Record 1 of 342

Title: Nonlinear Dynamics for Semiconductor Microdisk Laser Subject to Optical Injection

Author(s): Zou, LX (Zou, Ling-Xiu); Huang, YZ (Huang, Yong-Zhen); Liu, BW (Liu, Bo-Wen); Lv, XM (Lv, Xiao-Meng); Long, H (Long, Heng); Yang, YD (Yang, Yue-De); Xiao, JL (Xiao, Jin-Long); Du, Y (Du, Yun)

Source: IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS Volume: 21 Issue: 6 Pages: 1-8 Article Number: 1800408 DOI: 10.1109/JSTQE.2015.2414097 Published: NOV-DEC 2015

Accession Number: WOS:000353569000001

Author Identifiers:

Author ResearcherID Number ORCID Number

Huang, Yong-Zhen 0000-0002-0529-4947

ISSN: 1077-260X

eISSN: 1558-4542

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Record 2 of 342

Title: Modified synthesis of FeS2 quantum dots for hybrid bulk-heterojunction solar cells

Author(s): Yu, P (Yu, Ping); Qu, SC (Qu, Shengchun); Jia, CH (Jia, Caihong); Liu, K (Liu, Kong); Tan, FR (Tan, Furui)

Source: MATERIALS LETTERS Volume: 157 Pages: 235-238 DOI: 10.1016/j.matlet.2015.05.033 Published: OCT 15 2015

Accession Number: WOS:000358973500062

ISSN: 0167-577X

eISSN: 1873-4979

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Record 3 of 342

Title: Red-shift in the InGaAsP/GaInP active region using impurity free vacancy diffusion induced quantum well intermixing

Author(s): Lin, T (Lin, Tao); Zhang, HQ (Zhang, Haoqing); Sun, RJ (Sun, Ruijuan); Duan, YP (Duan, Yupeng); Lin, N (Lin, Nan); Ma, XY (Ma, Xiaoyu)

Source: JOURNAL OF ALLOYS AND COMPOUNDS Volume: 644 Pages: 398-403 DOI: 10.1016/j.jallcom.2015.05.033 Published: SEP 25 2015

Accession Number: WOS:000357143900060

ISSN: 0925-8388

eISSN: 1873-4669

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Record 4 of 342

Title: Colossal magnetic moment in Cr and Er co-implanted GaN films

Author(s): Gao, XG (Gao, Xingguo); Liu, C (Liu, Chao); Tao, DY (Tao, Dongyan); Zeng, YP (Zeng, Yiping)

Source: JOURNAL OF ALLOYS AND COMPOUNDS Volume: 644 Pages: 694-697 DOI: 10.1016/j.jallcom.2015.05.056 Published: SEP 25 2015

Accession Number: WOS:000357143900100

ISSN: 0925-8388

eISSN: 1873-4669

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Record 5 of 342

Title: On-Chip Reflectivity-Tunable Single Wavelength Reflector

Author(s): Gao, G (Gao, Ge); Zhang, Y (Zhang, Yong); Zeng, C (Zeng, Cheng); Zhao, XJ (Zhao, Xiangjie); Wang, Y (Wang, Yi); Huang, QZ (Huang, Qingzhong); Yu, JZ (Yu, Jinzhong); Xia, JS (Xia, Jinsong)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 18 Pages: 1938-1941 DOI: 10.1109/LPT.2015.2447554 Published: SEP 15 2015

Accession Number: WOS:000360375000012

ISSN: 1041-1135

eISSN: 1941-0174

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Record 6 of 342

Title: Evaluation of growth mode and optimization of growth parameters for GaAs epitaxy in V-shaped trenches on Si

Author(s): Li, SY (Li, Shiyan); Zhou, XL (Zhou, Xuliang); Kong, XT (Kong, Xiangting); Li, MK (Li, Mengke); Mi, JP (Mi, Junping); Bian, J (Bian, Jing); Wang, W (Wang, Wei); Pan, JQ (Pan, Jiaoqing)

Source: JOURNAL OF CRYSTAL GROWTH Volume: 426 Pages: 147-152 DOI: 10.1016/j.jcrysgro.2015.05.033 Published: SEP 15 2015

Accession Number: WOS:000358745700023

ISSN: 0022-0248

eISSN: 1873-5002

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Record 7 of 342

Title: Self-catalyzed growth mechanism of InAs nanowires and growth of InAs/GaSb heterostructured nanowires on Si substrates

Author(s): Wang, XY (Wang, Xiaoye); Du, WN (Du, Wenna); Yang, XG (Yang, Xiaoguang); Zhang, XW (Zhang, Xingwang); Yang, T (Yang, Tao)

Source: JOURNAL OF CRYSTAL GROWTH Volume: 426 Pages: 287-292 DOI: 10.1016/j.jcrysgro.2015.05.023 Published: SEP 15 2015

Accession Number: WOS:000358745700044

Author Identifiers:

Author ResearcherID Number ORCID Number

Yang, Tao K-7430-2012

ISSN: 0022-0248

eISSN: 1873-5002

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Record 8 of 342

Title: The design and error analysis of 90 degrees hybrid based on InP 4 x 4 MMI

Author(s): Pan, P (Pan, Pan); An, JM (An, Junming); Wang, HJ (Wang, Hongjie); Wang, Y (Wang, Yue); Zhang, JS (Zhang, Jiashun); Wang, LL (Wang, Liangliang); Han, Q (Han, Qin); Hu, XW (Hu, Xiongwei)

Source: OPTICS COMMUNICATIONS Volume: 351 Pages: 63-69 DOI: 10.1016/j.optcom.2015.04.047 Published: SEP 15 2015

Accession Number: WOS:000357552200011

ISSN: 0030-4018

eISSN: 1873-0310

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Record 9 of 342

Title: Effects of interfacial Fe electronic structures on magnetic and electronic transport properties in oxide/NiFe/oxide heterostructures

Author(s): Liu, QQ (Liu, Qianqian); Chen, X (Chen, Xi); Zhang, JY (Zhang, Jing-Yan); Yang, MY (Yang, Meiyin); Li, XJ (Li, Xu-Jing); Jiang, SL (Jiang, Shao-Long); Liu, YW (Liu, Yi-Wei); Cao, Y (Cao, Yi); Wu, ZL (Wu, Zheng-Long); Feng, C (Feng, Chun); Ding, L (Ding, Lei); Yu, GH (Yu, Guang-Hua)

Source: APPLIED SURFACE SCIENCE Volume: 349 Pages: 524-528 DOI: 10.1016/j.apsusc.2015.05.050 Published: SEP 15 2015

Accession Number: WOS:000357129100071

ISSN: 0169-4332

eISSN: 1873-5584

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Record 10 of 342

Title: Photonic band structure of two-dimensional metal/dielectric photonic crystals

Author(s): Zong, YX (Zong, Yi-Xin); Xia, JB (Xia, Jian-Bai)

Source: JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 48 Issue: 35 Article Number: 355103 DOI: 10.1088/0022-3727/48/35/355103 Published: SEP 9 2015

Accession Number: WOS:000359714700005

ISSN: 0022-3727

eISSN: 1361-6463

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Record 11 of 342

Title: Single-mode microdisk laser with two ports for heptagonal coupled mode lasing

Author(s): Zou, LX (Zou, Ling Xiu); Huang, YZ (Huang, Yong Zhen); Lv, XM (Lv, Xiao Meng); Ma, XW (Ma, Xiu Wen); Xiao, JL (Xiao, Jin Long); Yang, YD (Yang, Yang De); Du, Y (Du, Yun)

Source: ELECTRONICS LETTERS Volume: 51 Issue: 18 Pages: 1442-1443 DOI: 10.1049/el.2015.1989 Published: SEP 3 2015

Accession Number: WOS:000360199000031

ISSN: 0013-5194

eISSN: 1350-911X

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Record 12 of 342

Title: High Quantum Efficiency and Low Droop of 400-nm InGaN Near-Ultraviolet Light-Emitting Diodes Through Suppressed Leakage Current

Author(s): Li, PP (Li, Panpan); Li, HJ (Li, Hongjian); Wang, LC (Wang, Liancheng); Yi, XY (Yi, Xiaoyan); Wang, GH (Wang, Guohong)

Source: IEEE JOURNAL OF QUANTUM ELECTRONICS Volume: 51 Issue: 9 Article Number: 3300605 DOI: 10.1109/JQE.2015.2469097 Published: SEP 2015

Accession Number: WOS:000360805100001

ISSN: 0018-9197

eISSN: 1558-1713

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Record 13 of 342

Title: Ni(Ge1-x-ySixSny) Ohmic Contact Formation on p-type Ge0.86Si0.07Sn0.07

Author(s): Zheng, J (Zheng, Jun); Wang, SY (Wang, Suyuan); Zhang, X (Zhang, Xu); Liu, Z (Liu, Zhi); Xue, CL (Xue, Chunlai); Li, CB (Li, Chuanbo); Zuo, YH (Zuo, Yuhua); Cheng, BW (Cheng, Buwen); Wang, QM (Wang, Qiming)

Source: IEEE ELECTRON DEVICE LETTERS Volume: 36 Issue: 9 Pages: 878-880 DOI: 10.1109/LED.2015.2459062 Published: SEP 2015

Accession Number: WOS:000360273900002

ISSN: 0741-3106

eISSN: 1558-0563

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Record 14 of 342

Title: Observation of Degenerate One-Dimensional Subbands in Single n-Channel Junctionless Nanowire Transistors

Author(s): Ma, LH (Ma, Liuhong); Han, WH (Han, Weihua); Wang, H (Wang, Hao); Yang, X (Yang, Xiang); Yang, FH (Yang, Fuhua)

Source: IEEE ELECTRON DEVICE LETTERS Volume: 36 Issue: 9 Pages: 941-943 DOI: 10.1109/LED.2015.2451646 Published: SEP 2015

Accession Number: WOS:000360273900023

ISSN: 0741-3106

eISSN: 1558-0563

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Record 15 of 342

Title: Proposal and Simulation of Microring Resonators With Partially Distributed Gratings for Realizing Unidirectional Emission

Author(s): Jin, X (Jin, Xin); Yang, YD (Yang, Yue-De); Xiao, JL (Xiao, Jin-Long); Huang, YZ (Huang, Yong-Zhen)

Source: IEEE JOURNAL OF QUANTUM ELECTRONICS Volume: 51 Issue: 9 DOI: 10.1109/JQE.2015.2466087 Published: SEP 2015

Accession Number: WOS:000360394200001

ISSN: 0018-9197

eISSN: 1558-1713

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Record 16 of 342

Title: Frequency-Doubling OEO Using the Polarization Property of LiNbO3 Modulator

Author(s): Zheng, JY (Zheng, Jianyu); Sun, WH (Sun, Wenhui); Wang, WT (Wang, Wenting); Tong, YW (Tong, Youwan); Wang, WY (Wang, Wei-Yu); Wang, X (Wang, Xin); Yuan, HQ (Yuan, Haiqing); Liu, JG (Liu, Jianguo); Zhu, NH (Zhu, Ninghua)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 17 Pages: 1864-1867 DOI: 10.1109/LPT.2015.2443974 Published: SEP 1 2015

Accession Number: WOS:000360375300003

ISSN: 1041-1135

eISSN: 1941-0174

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Record 17 of 342

Title: Graphene GaN-Based Schottky Ultraviolet Detectors

Author(s): Xu, K (Xu, Kun); Xu, C (Xu, Chen); Xie, YY (Xie, Yiyang); Deng, J (Deng, Jun); Zhu, YX (Zhu, Yanxu); Guo, WL (Guo, Weiling); Xun, M (Xun, Meng); Teo, KBK (Teo, Kenneth B. K.); Chen, HD (Chen, Hongda); Sun, J (Sun, Jie)

Source: IEEE TRANSACTIONS ON ELECTRON DEVICES Volume: 62 Issue: 9 Pages: 2802-2808 DOI: 10.1109/TED.2015.2453399 Published: SEP 2015

Accession Number: WOS:000360401500015

ISSN: 0018-9383

eISSN: 1557-9646

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Record 18 of 342

Title: Satellite Payloads Pay Off

Author(s): Pan, SL (Pan, Shilong); Zhu, D (Zhu, Dan); Liu, SF (Liu, Shifeng); Xu, K (Xu, Kun); Dai, YT (Dai, Yitang); Wang, TL (Wang, Tianliang); Liu, JG (Liu, Jianguo); Zhu, NH (Zhu, Ninghua); Xue, Y (Xue, Yong); Liu, NJ (Liu, Naijin)

Source: IEEE MICROWAVE MAGAZINE Volume: 16 Issue: 8 Pages: 61-73 DOI: 10.1109/MMM.2015.2441619 Published: SEP 2015

Accession Number: WOS:000359367400007

ISSN: 1527-3342

eISSN: 1557-9581

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Record 19 of 342

Title: Potential of Ti doped hydrogenated amorphous Si film with suitable resistivity and high TCR for microbolometer applications

Author(s): Zhou, TW (Zhou, Tianwei); Zuo, YH (Zuo, Yuhua); Qiu, K (Qiu, Kai); Zheng, J (Zheng, Jun); Wang, QM (Wang, Qiming)

Source: VACUUM Volume: 119 Pages: 30-33 DOI: 10.1016/j.vacuum.2015.04.024 Published: SEP 2015

Accession Number: WOS:000359168900005

ISSN: 0042-207X

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Record 20 of 342

Title: Study of N-polar GaN growth with a high resistivity by metal-organic chemical vapor deposition

Author(s): Jiang, JY (Jiang, Junyan); Zhang, YT (Zhang, Yuantao); Yang, F (Yang, Fan); Huang, Z (Huang, Zhen); Yan, L (Yan, Long); Li, PC (Li, Pengchong); Chi, C (Chi, Chen); Zhao, DG (Zhao, Degang); Zhang, BL (Zhang, Baolin); Du, GT (Du, Guotong)

Source: VACUUM Volume: 119 Pages: 63-67 DOI: 10.1016/j.vacuum.2015.04.025 Published: SEP 2015

Accession Number: WOS:000359168900008

ISSN: 0042-207X

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Record 21 of 342

Title: Top Grating, Surface-Emitting DFB Quantum Cascade Lasers in Continuous-Wave Operation

Author(s): Liu, YH (Liu, Yinghui); Zhang, JC (Zhang, Jinchuan); Jia, ZW (Jia, Zhiwei); Yao, DY (Yao, Danyang); Liu, FQ (Liu, Fengqi); Zhai, SQ (Zhai, Shenqiang); Zhuo, N (Zhuo, Ning); Wang, ZG (Wang, Zhanguo)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 17 Pages: 1829-1832 DOI: 10.1109/LPT.2015.2443780 Published: SEP 1 2015

Accession Number: WOS:000358698200012

ISSN: 1041-1135

eISSN: 1941-0174

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Record 22 of 342

Title: Photonic Generation of Pulsed Microwave Signal Based on Phase Shifted Lyot Optical Filter

Author(s): Wang, WT (Wang, Wen Ting); Liu, JG (Liu, Jian Guo); Mei, HK (Mei, Hai Kuo); Sun, WH (Sun, Wen Hui); Wang, WY (Wang, Wei Yu); Yuan, HQ (Yuan, Hai Qing); Zhu, NH (Zhu, Ning Hua)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 17 Pages: 1845-1848 DOI: 10.1109/LPT.2015.2443851 Published: SEP 1 2015

Accession Number: WOS:000358698200016

ISSN: 1041-1135

eISSN: 1941-0174

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Record 23 of 342

Title: Microwave Generation Directly From Micro square Laser Subject to Optical Injection

Author(s): Liu, BW (Liu, Bo-Wen); Huang, YZ (Huang, Yong-Zhen); Long, H (Long, Heng); Yang, YD (Yang, Yue-De); Xiao, JL (Xiao, Jin-Long); Zou, LX (Zou, Ling-Xiu); Du, Y (Du, Yun)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 17 Pages: 1853-1856 DOI: 10.1109/LPT.2015.2443871 Published: SEP 1 2015

Accession Number: WOS:000358698200018

ISSN: 1041-1135

eISSN: 1941-0174

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Record 24 of 342

Title: Specific detection of mercury(II) irons using AlGaAs/InGaAs high electron mobility transistors

Author(s): Wang, CY (Wang, Chengyan); Zhang, Y (Zhang, Yang); Guan, M (Guan, Min); Cui, LJ (Cui, Lijie); Ding, K (Ding, Kai); Zhang, BT (Zhang, Bintian); Lin, Z (Lin, Zhang); Huang, F (Huang, Feng); Zeng, YP (Zeng, Yiping)

Source: JOURNAL OF CRYSTAL GROWTH Volume: 425 Pages: 381-384 DOI: 10.1016/j.jcrysgro.2015.02.011 Published: SEP 1 2015

Accession Number: WOS:000356669200088

ISSN: 0022-0248

eISSN: 1873-5002

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Record 25 of 342

Title: Injection current dependences of electroluminescence transition energy in InGaN/GaN multiple quantum wells light emitting diodes under pulsed current conditions (vol 118, 033101, 2015)

Author(s): Zhang, F (Zhang, Feng); Ikeda, M (Ikeda, Masao); Zhou, K (Zhou, Kun); Liu, ZS (Liu, Zongshun); Liu, JP (Liu, Jianping); Zhang, SM (Zhang, Shuming); Yang, H (Yang, Hui)

Source: JOURNAL OF APPLIED PHYSICS Volume: 118 Issue: 8 Article Number: 089901 DOI: 10.1063/1.4929635 Published: AUG 28 2015

Accession Number: WOS:000360658600058

ISSN: 0021-8979

eISSN: 1089-7550

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Record 26 of 342

Title: Wireless Microfluidic Systems for Programmed, Functional Transformation of Transient Electronic Devices

Author(s): Lee, CH (Lee, Chi Hwan); Kang, SK (Kang, Seung-Kyun); Salvatore, GA (Salvatore, Giovanni A.); Ma, YJ (Ma, Yinji); Kim, BH (Kim, Bong Hoon); Jiang, Y (Jiang, Yu); Kim, JS (Kim, Jae Soon); Yan, LQ (Yan, Lingqing); Wie, DS (Wie, Dae Seung); Banks, A (Banks, Anthony); Oh, SJ (Oh, Soong Ju); Feng, X (Feng, Xue); Huang, YG (Huang, Yonggang); Troester, G (Troester, Gerhard); Rogers, JA (Rogers, John A.)

Source: ADVANCED FUNCTIONAL MATERIALS Volume: 25 Issue: 32 Pages: 5100-5106 DOI: 10.1002/adfm.201502192 Published: AUG 26 2015

Accession Number: WOS:000360222400002

Author Identifiers:

Author ResearcherID Number ORCID Number

Ma, Yin Ji F-6575-2012

ISSN: 1616-301X

eISSN: 1616-3028

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Title: Resonant tunnelling diode photodetector operating at near-infrared wavelengths with high responsivity

Author(s): Dong, Y (Dong, Yu); Xu, JX (Xu, Jianxing); Wang, GL (Wang, Guanglong); Ni, HQ (Ni, Haiqiao); Pei, KM (Pei, Kangming); Chen, JH (Chen, Jianhui); Gao, FQ (Gao, Fengqi); Li, BC (Li, Baochen); Niu, ZC (Niu, Zhichuan)

Source: ELECTRONICS LETTERS Volume: 51 Issue: 17 Pages: 1355-1356 DOI: 10.1049/el.2015.1041 Published: AUG 20 2015

Accession Number: WOS:000359725300030

ISSN: 0013-5194

eISSN: 1350-911X

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Record 28 of 342

Title: Excitons in monolayer transition metal dichalcogenides

Author(s): Li, J (Li, J.); Zhong, YL (Zhong, Y. L.); Zhang, D (Zhang, Dong)

Source: JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 27 Issue: 31 Article Number: 315301 DOI: 10.1088/0953-8984/27/31/315301 Published: AUG 12 2015

Accession Number: WOS:000358595500002

PubMed ID: 26190703

ISSN: 0953-8984

eISSN: 1361-648X

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Record 29 of 342

Title: Fabrication and improvement of nanopillar InGaN/GaN light-emitting diodes using nanosphere lithography

Author(s): Fadil, A (Fadil, Ahmed); Ou, YY (Ou, Yiyu); Zhan, T (Zhan, Teng); Wu, KY (Wu, Kaiyu); Suyatin, D (Suyatin, Dmitry); Lu, WF (Lu, Weifang); Petersen, PM (Petersen, Paul Michael); Liu, ZQ (Liu, Zhiqiang); Ou, HY (Ou, Haiyan)

Source: JOURNAL OF NANOPHOTONICS Volume: 9 Article Number: 093062 DOI: 10.1117/1.JNP.9.093062 Published: AUG 7 2015

Accession Number: WOS:000359835100001

ISSN: 1934-2608

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Record 30 of 342

Title: Storage and retrieval of microwave fields at the single-photon level in a spin ensemble

Author(s): Grezes, C (Grezes, C.); Julsgaard, B (Julsgaard, B.); Kubo, Y (Kubo, Y.); Ma, WL (Ma, W. L.); Stern, M (Stern, M.); Bienfait, A (Bienfait, A.); Nakamura, K (Nakamura, K.); Isoya, J (Isoya, J.); Onoda, S (Onoda, S.); Ohshima, T (Ohshima, T.); Jacques, V (Jacques, V.); Vion, D (Vion, D.); Esteve, D (Esteve, D.); Liu, RB (Liu, R. B.); Molmer, K (Molmer, K.); Bertet, P (Bertet, P.)

Source: PHYSICAL REVIEW A Volume: 92 Issue: 2 Article Number: 020301 DOI: 10.1103/PhysRevA.92.020301 Published: AUG 7 2015

Accession Number: WOS:000359114700001

ISSN: 1050-2947

eISSN: 1094-1622

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Record 31 of 342

Title: Sn-Guided Defect-Free GeSn Lateral Growth on Si by Molecular Beam Epitaxy

Author(s): Zhang, DL (Zhang, Dalin); Liu, Z (Liu, Zhi); Zhang, DL (Zhang, Dongliang); Zhang, X (Zhang, Xu); Zhang, JY (Zhang, Junying); Zheng, J (Zheng, Jun); Zuo, YH (Zuo, Yuhua); Xue, CL (Xue, Chunlai); Li, CB (Li, Chuanbo); Oda, SR (Oda, Shunri); Cheng, BW (Cheng, Buwen); Wang, QM (Wang, Qiming)

Source: JOURNAL OF PHYSICAL CHEMISTRY C Volume: 119 Issue: 31 Pages: 17842-17847 DOI: 10.1021/acs.jpcc.5b03735 Published: AUG 6 2015

Accession Number: WOS:000359332200040

ISSN: 1932-7447

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Title: Dielectric microwave properties of Si-integrated pulsed laser deposited (Ba, Sr)TiO3 thin films up to 110GHz

Author(s): Ning, X (Ning, Xi); Chen, SM (Chen, Shuming); Zhang, JY (Zhang, Jinying); Huang, H (Huang, Hui); Wang, L (Wang, Lei)

Source: APPLIED PHYSICS LETTERS Volume: 107 Issue: 5 Article Number: 052905 DOI: 10.1063/1.4927537 Published: AUG 3 2015

Accession Number: WOS:000359375700026

ISSN: 0003-6951

eISSN: 1077-3118

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Record 33 of 342

Title: Hysteresis phenomena of the two dimensional electron gas density in lattice-matched InAlN/GaN heterostructures

Author(s): Sang, L (Sang, Ling); Yang, XL (Yang, Xuelin); Cheng, JP (Cheng, Jianpeng); Jia, LF (Jia, Lifang); He, Z (He, Zhi); Guo, L (Guo, Lei); Hu, AQ (Hu, Anqi); Xiang, Y (Xiang, Yong); Yu, TJ (Yu, Tongjun); Wang, MJ (Wang, Maojun); Xu, FJ (Xu, Fujun); Tang, N (Tang, Ning); Wang, XQ (Wang, Xinqiang); Ge, WK (Ge, Weikun); Shen, B (Shen, Bo)

Source: APPLIED PHYSICS LETTERS Volume: 107 Issue: 5 Article Number: 052102 DOI: 10.1063/1.4928449 Published: AUG 3 2015

Accession Number: WOS:000359375700018

ISSN: 0003-6951

eISSN: 1077-3118

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Record 34 of 342

Title: Formation of ZnSe/Bi2Se3 QDs by surface cation exchange and high photothermal conversion

Author(s): Jia, GZ (Jia, Guozhi); Wang, P (Wang, Peng); Wu, ZN (Wu, Zengna); Li, Q (Li, Qiang); Zhang, YB (Zhang, Yanbang); Yao, JH (Yao, Jianghong); Chang, K (Chang, Kai)

Source: AIP ADVANCES Volume: 5 Issue: 8 Article Number: 087176 DOI: 10.1063/1.4929802 Published: AUG 2015

Accession Number: WOS:000360655900085

ISSN: 2158-3226

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Record 35 of 342

Title: The in-plane anisotropic magnetic damping of ultrathin epitaxial Co2FeAl film

Author(s): Qiao, S (Qiao, Shuang); Yan, W (Yan, Wei); Nie, SH (Nie, Shuaihua); Zhao, JH (Zhao, Jianhua); Zhang, XH (Zhang, Xinhui)

Source: AIP ADVANCES Volume: 5 Issue: 8 Article Number: 087170 DOI: 10.1063/1.4929765 Published: AUG 2015

Accession Number: WOS:000360655900079

ISSN: 2158-3226

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Record 36 of 342

Title: InxGa1-xN/GaN Multiple Quantum Well Solar Cells with Conversion Efficiency of 3.77%

Author(s): Liu, SM (Liu Shi-Ming); Xiao, HL (Xiao Hong-Ling); Wang, Q (Wang Quan); Yan, JD (Yan Jun-Da); Zhan, XM (Zhan Xiang-Mi); Gong, JM (Gong Jia-Min); Wang, XL (Wang Xiao-Liang); Wang, ZG (Wang Zhan-Guo)

Source: CHINESE PHYSICS LETTERS Volume: 32 Issue: 8 Article Number: 088401 DOI: 10.1088/0256-307X/32/8/088401 Published: AUG 2015

Accession Number: WOS:000359265600045

ISSN: 0256-307X

eISSN: 1741-3540

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Record 37 of 342

Title: Optimization of 1.3-mu m InGaAsP/InP Electro-Absorption Modulator

Author(s): Wang, HT (Wang Hui-Tao); Zhou, DB (Zhou Dai-Bing); Zhang, RK (Zhang Rui-Kang); Lu, D (Lu Dan); Zhao, LJ (Zhao Ling-Juan); Zhu, HL (Zhu Hong-Liang); Wang, W (Wang Wei); Ji, C (Ji Chen)

Source: CHINESE PHYSICS LETTERS Volume: 32 Issue: 8 Article Number: 084203 DOI: 10.1088/0256-307X/32/8/084203 Published: AUG 2015

Accession Number: WOS:000359265600020

ISSN: 0256-307X

eISSN: 1741-3540

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Title: Improved hole distribution in InGaN light-emitting diodes with InGaN-GaN barriers of decreasing indium composition

Author(s): Yang, YJ (Yang, Yujue); Zeng, YP (Zeng, Yiping)

Source: PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE Volume: 212 Issue: 8 Pages: 1805-1809 DOI: 10.1002/pssa.201431906 Published: AUG 2015

Accession Number: WOS:000359382400025

ISSN: 1862-6300

eISSN: 1862-6319

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Record 39 of 342

Title: Dual-transverse-mode microsquare lasers with tunable wavelength interval

Author(s): Long, H (Long, Heng); Huang, YZ (Huang, Yong-Zhen); Ma, XW (Ma, Xiu-Wen); Yang, YD (Yang, Yue-De); Xiao, JL (Xiao, Jin-Long); Zou, LX (Zou, Ling-Xiu); Liu, BW (Liu, Bo-Wen)

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Accession Number: WOS:000358802800029

PubMed ID: 26258354

ISSN: 0146-9592

eISSN: 1539-4794

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Record 40 of 342

Title: Implantation induced defects and electrical properties of Sb-implanted ZnO

Author(s): Xie, H (Xie Hui); Liu, T (Liu Tong); Liu, JM (Liu JingMing); Cao, KW (Cao KeWei); Dong, ZY (Dong ZhiYuan); Yang, J (Yang Jun); Zhao, YW (Zhao YouWen)

Source: SCIENCE CHINA-TECHNOLOGICAL SCIENCES Volume: 58 Issue: 8 Pages: 1333-1338 DOI: 10.1007/s11431-015-5868-2 Published: AUG 2015

Accession Number: WOS:000358746500004

ISSN: 1674-7321

eISSN: 1869-1900

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Title: Filter bank canonical correlation analysis for implementing a high-speed SSVEP-based brain-computer interface

Author(s): Chen, XG (Chen, Xiaogang); Wang, YJ (Wang, Yijun); Gao, SK (Gao, Shangkai); Jung, TP (Jung, Tzyy-Ping); Gao, XR (Gao, Xiaorong)

Source: JOURNAL OF NEURAL ENGINEERING Volume: 12 Issue: 4 Article Number: 046008 DOI: 10.1088/1741-2560/12/4/046008 Published: AUG 2015

Accession Number: WOS:000358178900010

PubMed ID: 26035476

ISSN: 1741-2560

eISSN: 1741-2552

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Record 42 of 342

Title: Enhancing performances of SSVEP-based brain-computer interfaces via exploiting inter-subject information

Author(s): Yuan, P (Yuan, Peng); Chen, XG (Chen, Xiaogang); Wang, YJ (Wang, Yijun); Gao, XR (Gao, Xiaorong); Gao, SK (Gao, Shangkai)

Source: JOURNAL OF NEURAL ENGINEERING Volume: 12 Issue: 4 Article Number: 046006 DOI: 10.1088/1741-2560/12/4/046006 Published: AUG 2015

Accession Number: WOS:000358178900008

PubMed ID: 26028259

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eISSN: 1741-2552

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Record 43 of 342

Title: Longer than 1.9 mu m photoluminescence emission from InAs quantum structure on GaAs (001) substrate

Author(s): Liu, K (Liu, Ke); Ma, WQ (Ma, Wenquan); Huang, JL (Huang, Jianliang); Zhang, YH (Zhang, Yanhua); Cao, YL (Cao, Yulian); Huang, WJ (Huang, Wenjun); Luo, S (Luo, Shuai); Yang, T (Yang, Tao)

Source: APPLIED PHYSICS LETTERS Volume: 107 Issue: 4 Article Number: 041103 DOI: 10.1063/1.4927659 Published: JUL 27 2015

Accession Number: WOS:000358924200003

Author Identifiers:

Author ResearcherID Number ORCID Number

Yang, Tao K-7430-2012

ISSN: 0003-6951

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Record 44 of 342

Title: Injection current dependences of electroluminescence transition energy in InGaN/GaN multiple quantum wells light emitting diodes under pulsed current conditions

Author(s): Zhang, F (Zhang, Feng); Ikeda, M (Ikeda, Masao); Zhou, K (Zhou, Kun); Liu, ZS (Liu, Zongshun); Liu, JP (Liu, Jianping); Zhang, SM (Zhang, Shuming); Yang, H (Yang, Hui)

Source: JOURNAL OF APPLIED PHYSICS Volume: 118 Issue: 3 Article Number: 033101 DOI: 10.1063/1.4926865 Published: JUL 21 2015

Accession Number: WOS:000358429200001

ISSN: 0021-8979

eISSN: 1089-7550

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Record 45 of 342

Title: Dimensional Dependence of the Optical Absorption Band Edge of TiO2 Nanotube Arrays beyond the Quantum Effect

Author(s): Al-Haddad, A (Al-Haddad, Ahmed); Wang, ZJ (Wang, Zhijie); Xu, R (Xu, Rui); Qi, HY (Qi, Haoyuan); Vellacheri, R (Vellacheri, Ranjith); Kaiser, U (Kaiser, Ute); Lei, Y (Lei, Yong)

Source: JOURNAL OF PHYSICAL CHEMISTRY C Volume: 119 Issue: 28 Pages: 16331-16337 DOI: 10.1021/acs.jpcc.5b02665 Published: JUL 16 2015

Accession Number: WOS:000358337700061

Author Identifiers:

Author ResearcherID Number ORCID Number

Lei, Yong A-7950-2012 0000-0001-5048-7433

ISSN: 1932-7447

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Record 46 of 342

Title: Valley-dependent beams controlled by pseudomagnetic field in distorted photonic graphene

Author(s): Deng, FS (Deng, Fusheng); Li, YM (Li, Yunmei); Sun, Y (Sun, Yong); Wang, X (Wang, Xiao); Guo, ZW (Guo, Zhiwei); Shi, YL (Shi, Yunlong); Jiang, HT (Jiang, Haitao); Chang, K (Chang, Kai); Chen, H (Chen, Hong)

Source: OPTICS LETTERS Volume: 40 Issue: 14 Pages: 3380-3383 DOI: 10.1364/OL.40.003380 Published: JUL 15 2015

Accession Number: WOS:000357963000041

PubMed ID: 26176474

ISSN: 0146-9592

eISSN: 1539-4794

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Record 47 of 342

Title: Effect of W volume fraction on dynamic mechanical behaviors of W fiber/Zr-based bulk metallic glass composites

Author(s): Xue, YF (Xue, Yunfei); Zhong, X (Zhong, Xin); Wang, L (Wang, Lu); Fan, QB (Fan, Qunbo); Zhu, LJ (Zhu, Lijun); Fan, B (Fan, Bin); Zhang, HF (Zhang, Haifeng); Fu, HM (Fu, Huameng)

Source: MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING Volume: 639 Pages: 417-424 DOI: 10.1016/j.msea.2015.05.086 Published: JUL 15 2015

Accession Number: WOS:000357549200056

ISSN: 0921-5093

eISSN: 1873-4936

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Record 48 of 342

Title: High-Power Single-Mode Tapered Terahertz Quantum Cascade Lasers

Author(s): Wang, T (Wang, Tao); Liu, JQ (Liu, Junqi); Liu, FQ (Liu, Fengqi); Wang, LJ (Wang, Lijun); Zhang, JC (Zhang, Jinchuan); Wang, ZG (Wang, Zhanguo)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 14 Pages: 1492-1494 DOI: 10.1109/LPT.2015.2426697 Published: JUL 15 2015

Accession Number: WOS:000356875700007

ISSN: 1041-1135

eISSN: 1941-0174

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Record 49 of 342

Title: Super Absorbing Ultraviolet Metasurface

Author(s): Liu, K (Liu, Kai); Jiang, SH (Jiang, Suhua); Ji, DX (Ji, Dengxin); Zeng, X (Zeng, Xie); Zhang, N (Zhang, Nan); Song, HM (Song, Haomin); Xu, Y (Xu, Yun); Gan, QQ (Gan, Qiaoqiang)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 14 Pages: 1539-1542 DOI: 10.1109/LPT.2015.2428621 Published: JUL 15 2015

Accession Number: WOS:000356875700019

ISSN: 1041-1135

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Record 50 of 342

Title: Monolithic Integration of Si3N4 Microring Filters With Bulk CMOS IC Through Post-Backend Process

Author(s): Zhang, Z (Zhang, Zan); Huang, BJ (Huang, Beiju); Zhang, X (Zhang, Xu); Zhang, ZY (Zhang, Zanyun); Cheng, CT (Cheng, Chuantong); Mao, XR (Mao, Xurui); Liu, SJ (Liu, Sijie); Chen, HD (Chen, Hongda)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 14 Pages: 1543-1546 DOI: 10.1109/LPT.2015.2429677 Published: JUL 15 2015

Accession Number: WOS:000356875700020

ISSN: 1041-1135

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Record 51 of 342

Title: Magnetoresistance and capacitance oscillations and hysteresis in type-II InAsSbP ellipsoidal quantum dots

Author(s): Gambaryan, KM (Gambaryan, K. M.); Harutyunyan, VG (Harutyunyan, V. G.); Aroutiounian, M (Aroutiounian, M.); Ai, Y (Ai, Y.); Ashalley, E (Ashalley, E.); Wang, ZM (Wang, Z. M.)

Source: JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 48 Issue: 27 Article Number: 275302 DOI: 10.1088/0022-3727/48/27/275302 Published: JUL 15 2015

Accession Number: WOS:000356625900013

ISSN: 0022-3727

eISSN: 1361-6463

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Record 52 of 342

Title: Approach for determination of ATP:ADP molar ratio in mixed solution by surface-enhanced Raman scattering

Author(s): Fang, H (Fang, Hui); Yin, HJ (Yin, Hong Jun); Lv, MY (Lv, Ming Yang); Xu, HJ (Xu, Hai Jun); Zhao, YM (Zhao, Yong Mei); Zhang, X (Zhang, Xin); Wu, ZL (Wu, Zheng Long); Liu, L (Liu, Luo); Tan, TW (Tan, Tian Wei)

Source: BIOSENSORS & BIOELECTRONICS Volume: 69 Pages: 71-76 DOI: 10.1016/j.bios.2015.02.023 Published: JUL 15 2015

Accession Number: WOS:000356642900008

PubMed ID: 25703730

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eISSN: 1873-4235

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Title: Landau levels and magneto-transport property of monolayer phosphorene

Author(s): Zhou, XY (Zhou, X. Y.); Zhang, R (Zhang, R.); Sun, JP (Sun, J. P.); Zou, YL (Zou, Y. L.); Zhang, D (Zhang, D.); Lou, WK (Lou, W. K.); Cheng, F (Cheng, F.); Zhou, GH (Zhou, G. H.); Zhai, F (Zhai, F.); Chang, K (Chang, Kai)

Source: SCIENTIFIC REPORTS Volume: 5 Article Number: 12295 DOI: 10.1038/srep12295 Published: JUL 10 2015

Accession Number: WOS:000357718200001

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Record 54 of 342

Title: Tunable plasmonically induced transparency with unsymmetrical graphene-ring resonators

Author(s): Wang, XS (Wang, Xiaosai); Xia, XS (Xia, Xiushan); Wang, JC (Wang, Jicheng); Zhang, F (Zhang, Feng); Hu, ZD (Hu, Zheng-Da); Liu, C (Liu, Cheng)

Source: JOURNAL OF APPLIED PHYSICS Volume: 118 Issue: 1 Article Number: 013101 DOI: 10.1063/1.4923428 Published: JUL 7 2015

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Record 55 of 342

Title: Ultrasensitive and quantitative detection of paraquat on fruits skins via surface-enhanced Raman spectroscopy

Author(s): Fang, H (Fang, Hui); Zhang, X (Zhang, Xin); Zhang, SJ (Zhang, Shang Jie); Liu, L (Liu, Luo); Zhao, YM (Zhao, Yong Mei); Xu, HJ (Xu, Hai Jun)

Source: SENSORS AND ACTUATORS B-CHEMICAL Volume: 213 Pages: 452-456 DOI: 10.1016/j.snb.2015.02.121 Published: JUL 5 2015

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Record 56 of 342

Title: Nanoscale opening fabrication on Si (111) surface from SiO2 barrier for vertical growth of III-V nanowire arrays

Author(s): Shi, TW (Shi, Tuanwei); Wang, XY (Wang, Xiaoye); Wang, BJ (Wang, Baojun); Wang, W (Wang, Wei); Yang, XG (Yang, Xiaoguang); Yang, WY (Yang, Wenyuan); Chen, Q (Chen, Qing); Xu, HQ (Xu, Hongqi); Xu, SY (Xu, Shengyong); Yang, T (Yang, Tao)

Source: NANOTECHNOLOGY Volume: 26 Issue: 26 Article Number: 265302 DOI: 10.1088/0957-4484/26/26/265302 Published: JUL 3 2015

Accession Number: WOS:000356448700006

PubMed ID: 26062784

Author Identifiers:

Author ResearcherID Number ORCID Number

Wang, Wei A-5936-2010 0000-0002-5257-7675

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Chen, Qing C-9010-2009

Xu, Hongqi B-2154-2013

ISSN: 0957-4484

eISSN: 1361-6528

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Record 57 of 342

Title: Photon harvesting, coloring and polarizing in photovoltaic cell integrated color filters: efficient energy routing strategies for power-saving displays

Author(s): Wen, L (Wen, Long); Chen, Q (Chen, Qin); Song, SC (Song, Shichao); Yu, Y (Yu, Yan); Jin, L (Jin, Lin); Hu, X (Hu, Xin)

Source: NANOTECHNOLOGY Volume: 26 Issue: 26 Article Number: 265203 DOI: 10.1088/0957-4484/26/26/265203 Published: JUL 3 2015

Accession Number: WOS:000356448700004

PubMed ID: 26062682

Author Identifiers:

Author ResearcherID Number ORCID Number

Chen, Qin A-2523-2011 0000-0001-8972-2568

ISSN: 0957-4484

eISSN: 1361-6528

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Record 58 of 342

Title: Electric-Field Tunable Band Offsets in Black Phosphorus and MoS2 van der Waals p-n Heterostructure

Author(s): Huang, L (Huang, Le); Huo, NJ (Huo, Nengjie); Li, Y (Li, Yan); Chen, H (Chen, Hui); Yang, JH (Yang, Juehan); Wei, ZM (Wei, Zhongming); Li, JB (Li, Jingbo); Li, SS (Li, Shu-Shen)

Source: JOURNAL OF PHYSICAL CHEMISTRY LETTERS Volume: 6 Issue: 13 Pages: 2483-2488 DOI: 10.1021/acs.jpclett.5b00976 Published: JUL 2 2015

Accession Number: WOS:000357626700014

PubMed ID: 26266723

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Record 59 of 342

Title: Dynamic and mode characteristics for AlGaInAs/InP microdisk lasers subject to optical injection

Author(s): Huang, YZ (Huang, Yong-Zhen); Zou, LX (Zou, Ling-Xiu); Liu, BW (Liu, Bo-Wen); Yang, YD (Yang, Yue-De); Long, H (Long, Heng); Xiao, JL (Xiao, Jin-Long); Du, Y (Du, Yun)

Source: OPTICAL ENGINEERING Volume: 54 Issue: 7 Article Number: 076109 DOI: 10.1117/1.OE.54.7.076109 Published: JUL 2015

Accession Number: WOS:000359823100035

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Record 60 of 342

Title: Doping inhomogeneity and staging of ultra-thin graphite intercalation compound flakes probed by visible and near-infrared Raman spectroscopy

Author(s): Lu, Y (Lu Yan); Zhang, X (Zhang Xin); Wu, JB (Wu Jiang-Bin); Li, XL (Li Xiao-Li); Li, QQ (Li Qiao-Qiao); Tan, PH (Tan Ping-Heng)

Source: CHINESE PHYSICS B Volume: 24 Issue: 7 Article Number: 077804 DOI: 10.1088/1674-1056/24/7/077804 Published: JUL 2015

Accession Number: WOS:000359662600084

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eISSN: 1741-4199

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Record 61 of 342

Title: Tuning the magnetic anisotropy of CoFeB grown on flexible substrates

Author(s): Zhang, H (Zhang Hao); Li, YY (Li Yuan-Yuan); Yang, MY (Yang Mei-Yin); Zhang, B (Zhang Bao); Yang, G (Yang Guang); Wang, SG (Wang Shou-Guo); Wang, KY (Wang Kai-You)

Source: CHINESE PHYSICS B Volume: 24 Issue: 7 Article Number: 077501 DOI: 10.1088/1674-1056/24/7/077501 Published: JUL 2015

Accession Number: WOS:000359662600074

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Record 62 of 342

Title: Interface Coupling in Twisted Multilayer Graphene by Resonant Raman Spectroscopy of Layer Breathing Modes

Author(s): Wu, JB (Wu, Jiang-Bin); Hu, ZX (Hu, Zhi-Xin); Zhang, X (Zhang, Xin); Han, WP (Han, Wen-Peng); Lu, Y (Lu, Yan); Shi, W (Shi, Wei); Qiao, XF (Qiao, Xiao-Fen); Ijias, M (Ijiaes, Mari); Milana, S (Milana, Silvia); Ji, W (Ji, Wei); Ferrari, AC (Ferrari, Andrea C.); Tan, PH (Tan, Ping-Heng)

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Accession Number: WOS:000358823200081

PubMed ID: 26062640

Author Identifiers:

Author ResearcherID Number ORCID Number

TAN, Ping-Heng D-1137-2009 0000-0001-6575-1516

Ji, Wei G-6097-2010 0000-0001-5249-6624

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eISSN: 1936-086X

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Record 63 of 342

Title: Optimization of LED light spectrum to enhance colorfulness of illuminated objects with white light constraints

Author(s): Wu, HN (Wu, Haining); Dong, JF (Dong, Jianfei); Qi, GJ (Qi, Gaojin); Zhang, GQ (Zhang, Guoqi)

Source: JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION Volume: 32 Issue: 7 Pages: 1262-1270 DOI: 10.1364/JOSAA.32.001262 Published: JUL 1 2015

Accession Number: WOS:000358789500009

PubMed ID: 26367155

ISSN: 1084-7529

eISSN: 1520-8532

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Record 64 of 342

Title: Investigation of mobility enhancement of junctionless nanowire transistor at low temperatures

Author(s): Wang, H (Wang, Hao); Han, WH (Han, Weihua); Ma, LH (Ma, Liuhong); Li, XM (Li, Xiaoming); Yang, FH (Yang, Fuhua)

Source: JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B Volume: 33 Issue: 4 Article Number: 040603 DOI: 10.1116/1.4926629 Published: JUL 2015

Accession Number: WOS:000358676700007

ISSN: 1071-1023

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Title: Mid-wavelength focal plane arrays infrared detector based on type-II InAs/GaSb superlattice

Author(s): Lv, YQ (Lv, Y. Q.); Zhang, LX (Zhang, L. X.); Si, JJ (Si, J. J.); Peng, ZY (Peng, Z. Y.); Zhang, L (Zhang, L.); Cao, XC (Cao, X. C.); Zhang, XF (Zhang, X. F.); Ding, JX (Ding, J. X.); Zhu, XB (Zhu, X. B.); Yao, GS (Yao, G. S.); Zhang, XL (Zhang, X. L.); Niu, ZC (Niu, Z. C.)

Source: OPTICAL AND QUANTUM ELECTRONICS Volume: 47 Issue: 7 Pages: 1731-1738 DOI: 10.1007/s11082-014-0030-0 Published: JUL 2015

Accession Number: WOS:000358665400017

ISSN: 0306-8919

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Title: InGaO3(ZnO) Superlattice Nanowires for High-Performance Ultraviolet Photodetectors

Author(s): Lou, Z (Lou, Zheng); Li, LD (Li, Ludong); Shen, GZ (Shen, Guozhen)

Source: ADVANCED ELECTRONIC MATERIALS Volume: 1 Issue: 7 Article Number: 1500054 DOI: 10.1002/aelm.201500054 Published: JUL 2015

Accession Number: WOS:000358008400006

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Title: High-performance rigid and flexible ultraviolet photodetectors with single-crystalline ZnGa2O4 nanowires

Author(s): Lou, Z (Lou, Zheng); Li, LD (Li, Ludong); Shen, GZ (Shen, Guozhen)

Source: NANO RESEARCH Volume: 8 Issue: 7 Pages: 2162-2169 DOI: 10.1007/s12274-015-0723-0 Published: JUL 2015

Accession Number: WOS:000358052700004

ISSN: 1998-0124

eISSN: 1998-0000

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Record 68 of 342

Title: Optical properties of silicon carbonitride films produced by plasma-induced decomposition of organic silicon compounds

Author(s): Fainer, NI (Fainer, N. I.); Nemkova, AA (Nemkova, A. A.)

Source: HIGH ENERGY CHEMISTRY Volume: 49 Issue: 4 Pages: 273-281 DOI: 10.1134/S0018143915040074 Published: JUL 2015

Accession Number: WOS:000357341800011

ISSN: 0018-1439

eISSN: 1608-3148

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Record 69 of 342

Title: Phase-Sensitive Optical Time Domain Reflectometer Based on Phase-Generated Carrier Algorithm

Author(s): Fang, GS (Fang, Gaosheng); Xu, TW (Xu, Tuanwei); Feng, SW (Feng, Shengwen); Li, F (Li, Fang)

Source: JOURNAL OF LIGHTWAVE TECHNOLOGY Volume: 33 Issue: 13 Pages: 2811-2816 DOI: 10.1109/JLT.2015.2414416 Published: JUL 1 2015

Accession Number: WOS:000357602700014

ISSN: 0733-8724

eISSN: 1558-2213

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Record 70 of 342

Title: N-Doped Zigzag Graphene Nanoribbons on Si(001): a First-Principles Calculation

Author(s): Li, J (Li Jing); Yang, SY (Yang Shen-Yuan); Li, SS (Li Shu-Shen)

Source: CHINESE PHYSICS LETTERS Volume: 32 Issue: 7 Article Number: 077102 DOI: 10.1088/0256-307X/32/7/077102 Published: JUL 2015

Accession Number: WOS:000357256800034

ISSN: 0256-307X

eISSN: 1741-3540

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Title: Single Mode 2 mu m GaSb Based Laterally Coupled Distributed Feedback Quantum-Well Laser Diodes with Metal Grating

Author(s): Song, YZ (Song Yu-Zhi); Zhang, Y (Zhang Yu); Song, JK (Song Jia-Kun); Li, KW (Li Kang-Wen); Zhang, ZY (Zhang Zu-Yin); Xu, Y (Xu Yun); Song, GF (Song Guo-Feng); Chen, LH (Chen Liang-Hui)

Source: CHINESE PHYSICS LETTERS Volume: 32 Issue: 7 Article Number: 074206 DOI: 10.1088/0256-307X/32/7/074206 Published: JUL 2015

Accession Number: WOS:000357256800019

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eISSN: 1741-3540

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Record 72 of 342

Title: The Third-Order Nonlinear Optical Properties in Cobalt-Doped ZnO Films

Author(s): Yan, TF (Yan Teng-Fei); Li, Y (Li Ying); Kang, JJ (Kang Jun-Jie); Zhou, PY (Zhou Peng-Yu); Sun, BQ (Sun Bao-Quan); Zhang, K (Zhang Kun); Yan, SS (Yan Shi-Shen); Zhang, XH (Zhang Xin-Hui)

Source: CHINESE PHYSICS LETTERS Volume: 32 Issue: 7 Article Number: 077801 DOI: 10.1088/0256-307X/32/7/077801 Published: JUL 2015

Accession Number: WOS:000357256800047

ISSN: 0256-307X

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Title: Single-Photon Emission from GaAs Quantum Dots Embedded in Nanowires

Author(s): Yang, S (Yang Shuang); Dou, XM (Dou Xiu-Ming); Yu, Y (Yu Ying); Ni, HQ (Ni Hai-Qiao); Niu, ZC (Niu Zhi-Chuan); Jiang, DS (Jiang De-Sheng); Sun, BQ (Sun Bao-Quan)

Source: CHINESE PHYSICS LETTERS Volume: 32 Issue: 7 Article Number: 077804 DOI: 10.1088/0256-307X/32/7/077804 Published: JUL 2015

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Title: Bandgap Engineering in Wurtzite GaAs Nanowires by Hydrostatic Pressure

Author(s): Yang, S (Yang Shuang); Ding, K (Ding Kun); Dou, XM (Dou Xiu-Ming); Yu, Y (Yu Ying); Ni, HQ (Ni Hai-Qiao); Niu, ZC (Niu Zhi-Chuan); Jiang, DS (Jiang De-Sheng); Sun, BQ (Sun Bao-Quan)

Source: CHINESE PHYSICS LETTERS Volume: 32 Issue: 7 Article Number: 077803 DOI: 10.1088/0256-307X/32/7/077803 Published: JUL 2015

Accession Number: WOS:000357256800049

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Title: Nonblocking 4 x 4 Silicon Electro-Optic Switch Matrix With Low Power Consumption

Author(s): Xing, JJ (Xing, Jiejiang); Zhou, PJ (Zhou, Peiji); Gong, YH (Gong, Yuanhao); Li, ZY (Li, Zhiyong); Tan, MQ (Tan, Manqing); Yu, YD (Yu, Yude); Yu, JZ (Yu, Jinzhong)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 13 Pages: 1434-1436 DOI: 10.1109/LPT.2015.2424471 Published: JUL 1 2015

Accession Number: WOS:000355937100021

ISSN: 1041-1135

eISSN: 1941-0174

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Title: A Widely and Continuously Tunable Frequency Doubling Optoelectronic Oscillator

Author(s): Li, W (Li, Wei); Liu, JG (Liu, Jian Guo); Zhu, NH (Zhu, Ning Hua)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 13 Pages: 1461-1464 DOI: 10.1109/LPT.2015.2425912 Published: JUL 1 2015

Accession Number: WOS:000355937100028

ISSN: 1041-1135

eISSN: 1941-0174

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Record 77 of 342

Title: Microstructure Evolution and Shear Behavior of the Solder Joints for Flip-Chip LED on ENIG Substrate

Author(s): Liu, Y (Liu, Yang); Sun, FL (Sun, Fenglian); Luo, LL (Luo, Liangliang); Yuan, CA (Yuan, Cadmus A.); Zhang, GQ (Zhang, Guoqi)

Source: JOURNAL OF ELECTRONIC MATERIALS Volume: 44 Issue: 7 Pages: 2450-2457 DOI: 10.1007/s11664-015-3774-9 Published: JUL 2015

Accession Number: WOS:000355656000029

ISSN: 0361-5235

eISSN: 1543-186X

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Title: Photonic band structure of one-dimensional metal/dielectric structures calculated by the plane-wave expansion method

Author(s): Zong, YX (Zong YiXin); Xia, JB (Xia JianBai)

Source: SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY Volume: 58 Issue: 7 Article Number: 077201 DOI: 10.1007/s11433-015-5655-x Published: JUL 2015

Accession Number: WOS:000355776100010

ISSN: 1674-7348

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Title: Epitaxial properties of ZnO thin films on LaAlO3 substrates by pulsed laser deposition

Author(s): Jia, CH (Jia, C. H.); Wang, S (Wang, S.); Wu, YH (Wu, Y. H.); Chen, YH (Chen, Y. H.); Sun, XW (Sun, X. W.); Zhang, WF (Zhang, W. F.)

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Accession Number: WOS:000354570700004

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Title: Inhibitation of Si-Ge interdiffusion in Ge-on-insulator structures formed by rapid melt growth

Author(s): Wen, JJ (Wen, J. J.); Liu, Z (Liu, Z.); Zhou, TW (Zhou, T. W.); Xue, CL (Xue, C. L.); Zuo, YH (Zuo, Y. H.); Li, CB (Li, C. B.); Wang, QM (Wang, Q. M.); Cheng, BW (Cheng, B. W.)

Source: THIN SOLID FILMS Volume: 586 Pages: 54-57 DOI: 10.1016/j.tsf.2015.04.040 Published: JUL 1 2015

Accession Number: WOS:000353984000009

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Record 81 of 342

Title: Color Shift Investigations for LED Secondary Optical Designs: Comparison between BPA-PC and PMMA

Author(s): Lu, GJ (Lu, Guangjun); Mehr, MY (Mehr, M. Yazdan); van Driel, WD (van Driel, W. D.); Fan, XJ (Fan, Xuejun); Fan, JJ (Fan, Jiajie); Jansen, KMB (Jansen, K. M. B.); Zhang, GQ (Zhang, G. Q.)

Source: OPTICAL MATERIALS Volume: 45 Pages: 37-41 DOI: 10.1016/j.optmat.2015.03.005 Published: JUL 2015

Accession Number: WOS:000353857700007

ISSN: 0925-3467

eISSN: 1873-1252

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Record 82 of 342

Title: Impact of band structure of Ohmic contact layers on the response feature of p-i-n very long wavelength type II InAs/GaSb superlattice photodetector

Author(s): Huang, JL (Huang, Jianliang); Ma, WQ (Ma, Wenquan); Zhang, YH (Zhang, Yanhua); Cao, YL (Cao, Yulian); Liu, K (Liu, Ke); Huang, WJ (Huang, Wenjun); Lu, SL (Lu, Shulong)

Source: APPLIED PHYSICS LETTERS Volume: 106 Issue: 26 Article Number: 263502 DOI: 10.1063/1.4923270 Published: JUN 29 2015

Accession Number: WOS:000357693200040

ISSN: 0003-6951

eISSN: 1077-3118

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Record 83 of 342

Title: Photovoltaic response of InGaN/GaN multi-quantum well solar cells enhanced by inserting thin GaN cap layers

Author(s): Yang, J (Yang, J.); Zhao, DG (Zhao, D. G.); Jiang, DS (Jiang, D. S.); Chen, P (Chen, P.); Zhu, JJ (Zhu, J. J.); Liu, ZS (Liu, Z. S.); Le, LC (Le, L. C.); He, XG (He, X. G.); Li, XJ (Li, X. J.); Yang, H (Yang, H.); Zhang, YT (Zhang, Y. T.); Du, GT (Du, G. T.)

Source: JOURNAL OF ALLOYS AND COMPOUNDS Volume: 635 Pages: 82-86 DOI: 10.1016/j.jallcom.2015.02.052 Published: JUN 25 2015

Accession Number: WOS:000351835700014

ISSN: 0925-8388

eISSN: 1873-4669

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Record 84 of 342

Title: Screening-induced carrier transport in silicene

Author(s): Hu, B (Hu, Bo)

Source: JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 27 Issue: 24 Article Number: 245301 DOI: 10.1088/0953-8984/27/24/245301 Published: JUN 24 2015

Accession Number: WOS:000355834800005

PubMed ID: 26030373

ISSN: 0953-8984

eISSN: 1361-648X

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Record 85 of 342

Title: Intersubband Transition in GaN/InGaN Multiple Quantum Wells

Author(s): Chen, G (Chen, G.); Wang, XQ (Wang, X. Q.); Rong, X (Rong, X.); Wang, P (Wang, P.); Xu, FJ (Xu, F. J.); Tang, N (Tang, N.); Qin, ZX (Qin, Z. X.); Chen, YH (Chen, Y. H.); Shen, B (Shen, B.)

Source: SCIENTIFIC REPORTS Volume: 5 Article Number: 11485 DOI: 10.1038/srep11485 Published: JUN 19 2015

Accession Number: WOS:000356542500001

PubMed ID: 26089133

Author Identifiers:

Author ResearcherID Number ORCID Number

Wang, Xinqiang B-8798-2013

ISSN: 2045-2322

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Record 86 of 342

Title: Ethanol Gas Detection Using a Yolk-Shell (Core-Shell) alpha-Fe2O3 Nanospheres as Sensing Material

Author(s): Wang, LL (Wang, LiLi); Lou, Z (Lou, Zheng); Deng, JN (Deng, Jianan); Zhang, R (Zhang, Rui); Zhang, T (Zhang, Tong)

Source: ACS APPLIED MATERIALS & INTERFACES Volume: 7 Issue: 23 Pages: 13098-13104 DOI: 10.1021/acsami.5b03978 Published: JUN 17 2015

Accession Number: WOS:000356753500091

PubMed ID: 26010465

ISSN: 1944-8244

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Record 87 of 342

Title: Temperature dependence of photoluminescence spectra for green light emission from InGaN/GaN multiple wells

Author(s): Liu, W (Liu, W.); Zhao, DG (Zhao, D. G.); Jiang, DS (Jiang, D. S.); Chen, P (Chen, P.); Liu, ZS (Liu, Z. S.); Zhu, JJ (Zhu, J. J.); Shi, M (Shi, M.); Zhao, DM (Zhao, D. M.); Li, X (Li, X.); Liu, JP (Liu, J. P.); Zhang, SM (Zhang, S. M.); Wang, H (Wang, H.); Yang, H (Yang, H.); Zhang, YT (Zhang, Y. T.); Du, GT (Du, G. T.)

Source: OPTICS EXPRESS Volume: 23 Issue: 12 Pages: 15935-15943 DOI: 10.1364/OE.23.015935 Published: JUN 15 2015

Accession Number: WOS:000356902500078

PubMed ID: 26193570

ISSN: 1094-4087

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Record 88 of 342

Title: THz band-stop filter using metamaterials surfaced on LiNbO3 sub-wavelength slab waveguide

Author(s): Zhang, B (Zhang, Bin); Wu, Q (Wu, Qiang); Pan, CP (Pan, Chongpei); Feng, RB (Feng, Ruobai); Xu, JJ (Xu, Jingjun); Lou, CB (Lou, Cibo); Wang, XD (Wang, Xiaodong); Yang, FH (Yang, Fuhua)

Source: OPTICS EXPRESS Volume: 23 Issue: 12 Pages: 16042-16051 DOI: 10.1364/OE.23.016042 Published: JUN 15 2015

Accession Number: WOS:000356902500086

PubMed ID: 26193578

ISSN: 1094-4087

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Record 89 of 342

Title: Influence of growth and annealing temperature on the strain and surface morphology of Ge995Sn0.005 epilayer

Author(s): Su, S (Su, Shaojian); Zhang, D (Zhang, Dongliang); Xue, C (Xue, Chunlai); Cheng, B (Cheng, Buwen)

Source: APPLIED SURFACE SCIENCE Volume: 340 Pages: 132-137 DOI: 10.1016/j.apsusc.2015.02.178 Published: JUN 15 2015

Accession Number: WOS:000352213300018

ISSN: 0169-4332

eISSN: 1873-5584

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Record 90 of 342

Title: Tunable photonic microwave generation by directly modulating a dual-wavelength amplified feedback laser

Author(s): Yu, LQ (Yu, Liqiang); Lu, D (Lu, Dan); Sun, Y (Sun, Yu); Zhao, LJ (Zhao, Lingjuan)

Source: OPTICS COMMUNICATIONS Volume: 345 Pages: 57-61 DOI: 10.1016/j.optcom.2015.01.068 Published: JUN 15 2015

Accession Number: WOS:000351801100010

ISSN: 0030-4018

eISSN: 1873-0310

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Record 91 of 342

Title: Compact silicon-on-insulator-based 2 x 2 Mach-Zehnder interferometer electro-optic switch with low crosstalk

Author(s): Xing, JJ (Xing, Jiejiang); Li, ZY (Li, Zhiyong); Zhou, PJ (Zhou, Peiji); Gong, YH (Gong, Yuanhao); Yu, YD (Yu, Yude); Tan, MQ (Tan, Manqing); Yu, JZ (Yu, Jinzhong)

Source: CHINESE OPTICS LETTERS Volume: 13 Issue: 6 Article Number: 061301 DOI: 10.3788/COL201513.061301 Published: JUN 10 2015

Accession Number: WOS:000356594100010

ISSN: 1671-7694

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Record 92 of 342

Title: High efficiency Schottky junction solar cells by co-doping of graphene with gold nanoparticles and nitric acid

Author(s): Liu, X (Liu, X.); Zhang, XW (Zhang, X. W.); Meng, JH (Meng, J. H.); Yin, ZG (Yin, Z. G.); Zhang, LQ (Zhang, L. Q.); Wang, HL (Wang, H. L.); Wu, JL (Wu, J. L.)

Source: APPLIED PHYSICS LETTERS Volume: 106 Issue: 23 Article Number: 233901 DOI: 10.1063/1.4922373 Published: JUN 8 2015

Accession Number: WOS:000356170900058

ISSN: 0003-6951

eISSN: 1077-3118

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Record 93 of 342

Title: A Novel Optical Frequency-Hopping Scheme for Secure WDM Optical Communications

Author(s): Wang, SL (Wang, Sun Long); Chen, W (Chen, Wei); Zhu, NH (Zhu, Ning Hua); Liu, JG (Liu, Jian Guo); Wang, WT (Wang, Wen Ting); Guo, JJ (Guo, Jin Jin)

Source: IEEE PHOTONICS JOURNAL Volume: 7 Issue: 3 Article Number: 7201108 DOI: 10.1109/JPHOT.2015.2429635 Published: JUN 2015

Accession Number: WOS:000360358300038

ISSN: 1943-0655

eISSN: 1943-0647

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Record 94 of 342

Title: Optimization of High Power 1.55-mu m Single Lateral Mode Fabry-Perot Ridge Waveguide Lasers

Author(s): Ke, Q (Ke Qing); Tan, SY (Tan Shao-Yang); Lu, D (Lu Dan); Zhang, RK (Zhang Rui-Kang); Wang, W (Wang Wei); Ji, C (Ji Chen)

Source: CHINESE PHYSICS LETTERS Volume: 32 Issue: 6 Article Number: 064203 DOI: 10.1088/0256-307X/32/6/064203 Published: JUN 2015

Accession Number: WOS:000358597200016

ISSN: 0256-307X

eISSN: 1741-3540

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Record 95 of 342

Title: The Cu Based AlGaN/GaN Schottky Barrier Diode

Author(s): Li, D (Li Di); Jia, LF (Jia Li-Fang); Fan, ZC (Fan Zhong-Chao); Cheng, Z (Cheng Zhe); Wang, XD (Wang Xiao-Dong); Yang, FH (Yang Fu-Hua); He, Z (He Zhi)

Source: CHINESE PHYSICS LETTERS Volume: 32 Issue: 6 Article Number: 068502 DOI: 10.1088/0256-307X/32/6/068502 Published: JUN 2015

Accession Number: WOS:000358597200047

ISSN: 0256-307X

eISSN: 1741-3540

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Record 96 of 342

Title: Evaluation of the Ultrafast Thermal Manipulation of Magnetization Precession in Ferromagnetic Semiconductor (Ga,Mn)As

Author(s): Li, H (Li Hang); Zhang, XH (Zhang Xin-Hui)

Source: CHINESE PHYSICS LETTERS Volume: 32 Issue: 6 Article Number: 067501 DOI: 10.1088/0256-307X/32/6/067501 Published: JUN 2015

Accession Number: WOS:000358597200037

ISSN: 0256-307X

eISSN: 1741-3540

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Record 97 of 342

Title: Formation of two-dimensional electron gas at AlGaN/GaN heterostructure and the derivation of its sheet density expression

Author(s): He, XG (He Xiao-Guang); Zhao, DG (Zhao De-Gang); Jiang, DS (Jiang De-Sheng)

Source: CHINESE PHYSICS B Volume: 24 Issue: 6 Article Number: 067301 DOI: 10.1088/1674-1056/24/6/067301 Published: JUN 2015

Accession Number: WOS:000358130200066

ISSN: 1674-1056

eISSN: 1741-4199

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Record 98 of 342

Title: Graded doping low internal loss 1060-nm InGaAs/AlGaAs quantum well semiconductor lasers

Author(s): Tan, SY (Tan Shao-Yang); Zhai, T (Zhai Teng); Zhang, RK (Zhang Rui-Kang); Lu, D (Lu Dan); Wang, W (Wang Wei); Ji, C (Ji Chen)

Source: CHINESE PHYSICS B Volume: 24 Issue: 6 Article Number: 064211 DOI: 10.1088/1674-1056/24/6/064211 Published: JUN 2015

Accession Number: WOS:000358130200040

ISSN: 1674-1056

eISSN: 1741-4199

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Record 99 of 342

Title: Wavelength-tunable prism-coupled external cavity passively mode-locked quantum-dot laser

Author(s): Wu, YH (Wu Yan-Hua); Wu, J (Wu Jian); Jin, P (Jin Peng); Wang, FF (Wang Fei-Fei); Hu, FJ (Hu Fa-Jie); Wei, H (Wei Heng); Wang, ZG (Wang Zhan-Guo)

Source: CHINESE PHYSICS B Volume: 24 Issue: 6 Article Number: 068103 DOI: 10.1088/1674-1056/24/6/068103 Published: JUN 2015

Accession Number: WOS:000358130200088

ISSN: 1674-1056

eISSN: 1741-4199

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Record 100 of 342

Title: Gate dependent photoresponse in self-assembled graphene p-n junctions

Author(s): Yin, WH (Yin Wei-Hong); Wang, YB (Wang Yu-Bing); Han, Q (Han Qin); Yang, XH (Yang Xiao-Hong)

Source: CHINESE PHYSICS B Volume: 24 Issue: 6 Article Number: 068101 DOI: 10.1088/1674-1056/24/6/068101 Published: JUN 2015

Accession Number: WOS:000358130200086

ISSN: 1674-1056

eISSN: 1741-4199

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Record 101 of 342

Title: Progress and prospects of GaN-based LEDs using nanostructures

Author(s): Zhao, LX (Zhao Li-Xia); Yu, ZG (Yu Zhi-Guo); Sun, B (Sun Bo); Zhu, SC (Zhu Shi-Chao); An, PB (An Ping-Bo); Yang, C (Yang Chao); Liu, L (Liu Lei); Wang, JX (Wang Jun-Xi); Li, JM (Li Jin-Min)

Source: CHINESE PHYSICS B Volume: 24 Issue: 6 Article Number: 068506 DOI: 10.1088/1674-1056/24/6/068506 Published: JUN 2015

Accession Number: WOS:000358130200101

ISSN: 1674-1056

eISSN: 1741-4199

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Record 102 of 342

Title: Effect of layers of carbon-nanotube-patterned substrate on GaN-based light-emitting diodes

Author(s): Shan, L (Shan, Liang); Wei, TB (Wei, Tongbo); Sun, YP (Sun, Yuanping); Zhang, YH (Zhang, Yonghui); Xiong, Z (Xiong, Zhuo); Zhen, AG (Zhen, Aigong); Wang, JX (Wang, Junxi); Wei, Y (Wei, Yang); Li, JM (Li, Jinmin)

Source: JAPANESE JOURNAL OF APPLIED PHYSICS Volume: 54 Issue: 6 Article Number: 065102 DOI: 10.7567/JJAP.54.065102 Published: JUN 2015

Accession Number: WOS:000357818600020

ISSN: 0021-4922

eISSN: 1347-4065

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Record 103 of 342

Title: Strained Germanium-Tin (GeSn) P-Channel Metal-Oxide-Semiconductor Field-Effect Transistors Featuring High Effective Hole Mobility

Author(s): Liu, Y (Liu, Yan); Yan, J (Yan, Jing); Wang, HJ (Wang, Hongjuan); Cheng, BW (Cheng, Buwen); Han, GQ (Han, Genquan)

Source: INTERNATIONAL JOURNAL OF THERMOPHYSICS Volume: 36 Issue: 5-6 Special Issue: SI Pages: 980-986 DOI: 10.1007/s10765-014-1785-z Published: JUN 2015

Accession Number: WOS:000356611100025

ISSN: 0195-928X

eISSN: 1572-9567

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Record 104 of 342

Title: Enhancement of the modulation bandwidth for GaN-based light-emitting diode by surface plasmons

Author(s): Zhu, SC (Zhu, Shi-Chao); Yu, ZG (Yu, Zhi-Guo); Zhao, LX (Zhao, Li-Xia); Wang, JX (Wang, Jun-Xi); Li, JM (Li, Jin-Min)

Source: OPTICS EXPRESS Volume: 23 Issue: 11 Pages: 13752-13760 DOI: 10.1364/OE.23.013752 Published: JUN 1 2015

Accession Number: WOS:000356902400038

PubMed ID: 26072747

ISSN: 1094-4087

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Record 105 of 342

Title: Substrate-free layer-number identification of two-dimensional materials: A case of Mo0.5W0.5S2 alloy

Author(s): Qiao, XF (Qiao, Xiao-Fen); Li, XL (Li, Xiao-Li); Zhang, X (Zhang, Xin); Shi, W (Shi, Wei); Wu, JB (Wu, Jiang-Bin); Chen, T (Chen, Tao); Tan, PH (Tan, Ping-Heng)

Source: APPLIED PHYSICS LETTERS Volume: 106 Issue: 22 Article Number: 223102 DOI: 10.1063/1.4921911 Published: JUN 1 2015

Accession Number: WOS:000355924700036

Author Identifiers:

Author ResearcherID Number ORCID Number

TAN, Ping-Heng D-1137-2009 0000-0001-6575-1516

ISSN: 0003-6951

eISSN: 1077-3118

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Record 106 of 342

Title: Degradation Mechanisms of Mid-Power White-Light LEDs Under High-Temperature-Humidity Conditions

Author(s): Huang, JL (Huang, Jianlin); Golubovic, DS (Golubovic, Dusan S.); Koh, S (Koh, Sau); Yang, DG (Yang, Daoguo); Li, XP (Li, Xiupeng); Fan, XJ (Fan, Xuejun); Zhang, GQ (Zhang, G. Q.)

Source: IEEE TRANSACTIONS ON DEVICE AND MATERIALS RELIABILITY Volume: 15 Issue: 2 Pages: 220-228 DOI: 10.1109/TDMR.2015.2418345 Published: JUN 2015

Accession Number: WOS:000356174400013

ISSN: 1530-4388

eISSN: 1558-2574

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Record 107 of 342

Title: Photonic-Molecule Single-Mode Laser

Author(s): Ku, JF (Ku, Jin-Feng); Chen, QD (Chen, Qi-Dai); Ma, XW (Ma, Xiu-Wen); Yang, YD (Yang, Yue-De); Huang, YZ (Huang, Yong-Zhen); Xu, HL (Xu, Huai-Liang); Sun, HB (Sun, Hong-Bo)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 11 Pages: 1157-1160 DOI: 10.1109/LPT.2015.2413052 Published: JUN 1 2015

Accession Number: WOS:000354457400005

Author Identifiers:

Author ResearcherID Number ORCID Number

Huang, Yong-Zhen 0000-0002-0529-4947

ISSN: 1041-1135

eISSN: 1941-0174

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Record 108 of 342

Title: Plasmon-Induced Transparency and Dispersionless Slow Light in a Novel Metamaterial

Author(s): Song, JK (Song, Jiakun); Liu, JT (Liu, Jietao); Song, YZ (Song, Yuzhi); Li, KW (Li, Kangwen); Zhang, ZY (Zhang, Zuyin); Xu, Y (Xu, Yun); Wei, X (Wei, Xin); Song, GF (Song, Guofeng)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 11 Pages: 1177-1180 DOI: 10.1109/LPT.2015.2414418 Published: JUN 1 2015

Accession Number: WOS:000354457400010

ISSN: 1041-1135

eISSN: 1941-0174

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Record 109 of 342

Title: Flexible fiber energy storage and integrated devices: recent progress and perspectives

Author(s): Wang, XF (Wang, Xianfu); Jiang, K (Jiang, Kai); Shen, GZ (Shen, Guozhen)

Source: MATERIALS TODAY Volume: 18 Issue: 5 Pages: 265-272 DOI: 10.1016/j.mattod.2015.01.002 Published: JUN 2015

Accession Number: WOS:000354392300016

Author Identifiers:

Author ResearcherID Number ORCID Number

Shen, Guozhen B-3722-2009 0000-0002-9755-1647

wang, xianfu F-5621-2014

ISSN: 1369-7021

eISSN: 1873-4103

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Record 110 of 342

Title: Few-layer WO3 nanosheets for high-performance UV-photodetectors

Author(s): Liu, JZ (Liu, Jianzhe); Zhong, MZ (Zhong, Mianzeng); Li, JB (Li, Jingbo); Pan, AL (Pan, Anlian); Zhu, XL (Zhu, Xiaoli)

Source: MATERIALS LETTERS Volume: 148 Pages: 184-187 DOI: 10.1016/j.matlet.2015.02.088 Published: JUN 1 2015

Accession Number: WOS:000353097100046

ISSN: 0167-577X

eISSN: 1873-4979

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Record 111 of 342

Title: Humidity sensor based on AlPO4-5 zeolite with high responsivity and its sensing mechanism

Author(s): Chen, Y (Chen, Yu); Zhang, YP (Zhang, Yupeng); Li, DM (Li, Dongmei); Gao, FL (Gao, Fengli); Feng, CH (Feng, Caihui); Wen, SP (Wen, Shanpeng); Ruan, SP (Ruan, Shengping)

Source: SENSORS AND ACTUATORS B-CHEMICAL Volume: 212 Pages: 242-247 DOI: 10.1016/j.snb.2015.02.017 Published: JUN 2015

Accession Number: WOS:000351017700033

ISSN: 0925-4005

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Record 112 of 342

Title: Exploring the effective photon management by InP nanoparticles: Broadband light absorption enhancement of InP/In0.53Ga0.47As/InP thin-film photodetectors

Author(s): Fu, D (Fu, Dong); Liu, JT (Liu, Jietao); Zhu, X (Zhu, Xi); Li, J (Li, Jian); Xu, Y (Xu, Yun); Song, GF (Song, Guofeng); Wei, X (Wei, Xin)

Source: JOURNAL OF APPLIED PHYSICS Volume: 117 Issue: 20 Article Number: 203102 DOI: 10.1063/1.4921587 Published: MAY 28 2015

Accession Number: WOS:000355918300002

ISSN: 0021-8979

eISSN: 1089-7550

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Record 113 of 342

Title: Refinement of Fe-based alloy doped Ti cladding layer

Author(s): Gao, WY (Gao, Wenyan); Zhao, SS (Zhao, Shusen); Wang, YB (Wang, Yibo); Zhang, ZY (Zhang, Zhiyan); Zhou, CY (Zhou, Chunyang); Lin, XC (Lin, Xuechun)

Source: SURFACE & COATINGS TECHNOLOGY Volume: 270 Pages: 16-23 DOI: 10.1016/j.surfcoat.2015.03.024 Published: MAY 25 2015

Accession Number: WOS:000354149400003

ISSN: 0257-8972

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Record 114 of 342

Title: Enhanced emission of charged-exciton polaritons from colloidal quantum dots on a SiN/SiO2 slab waveguide

Author(s): Xu, XS (Xu, Xingsheng); Li, XY (Li, Xingyun)

Source: SCIENTIFIC REPORTS Volume: 5 Article Number: 9760 DOI: 10.1038/srep09760 Published: MAY 19 2015

Accession Number: WOS:000355293100001

PubMed ID: 25988709

ISSN: 2045-2322

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Record 115 of 342

Title: Collective magnetization dynamics in ferromagnetic (Ga,Mn)As mediated by photoexcited carriers

Author(s): Li, H (Li, Hang); Liu, XY (Liu, Xinyu); Zhou, YY (Zhou, Ying-Yuan); Furdyna, JK (Furdyna, Jacek K.); Zhang, XH (Zhang, Xinhui)

Source: PHYSICAL REVIEW B Volume: 91 Issue: 19 Article Number: 195204 DOI: 10.1103/PhysRevB.91.195204 Published: MAY 19 2015

Accession Number: WOS:000354977400003

ISSN: 1098-0121

eISSN: 1550-235X

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Record 116 of 342

Title: Long-term stability improvement of tunable optoelectronic oscillator using dynamic feedback compensation

Author(s): Xu, K (Xu, Kun); Wu, ZL (Wu, Zhongle); Zheng, JY (Zheng, Jianyu); Dai, J (Dai, Jian); Dai, YT (Dai, Yitang); Yin, FF (Yin, Feifei); Li, JQ (Li, Jianqiang); Zhou, Y (Zhou, Yue); Lin, JT (Lin, Jintong)

Source: OPTICS EXPRESS Volume: 23 Issue: 10 Pages: 12935-12941 DOI: 10.1364/OE.23.012935 Published: MAY 18 2015

Accession Number: WOS:000354706800044

PubMed ID: 26074546

ISSN: 1094-4087

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Record 117 of 342

Title: Two-color photon correlations of the light scattered by a quantum dot

Author(s): Peiris, M (Peiris, M.); Petrak, B (Petrak, B.); Konthasinghe, K (Konthasinghe, K.); Yu, Y (Yu, Y.); Niu, ZC (Niu, Z. C.); Muller, A (Muller, A.)

Source: PHYSICAL REVIEW B Volume: 91 Issue: 19 Article Number: 195125 DOI: 10.1103/PhysRevB.91.195125 Published: MAY 18 2015

Accession Number: WOS:000354972600001

ISSN: 1098-0121

eISSN: 1550-235X

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Record 118 of 342

Title: Development of Cd-Based Compound Nanocrystal-Organic Polymer Hybrid Solar Cells

Author(s): Kou, YL (Kou Yan-Lei); Qu, SC (Qu Sheng-Chun); Liu, K (Liu Kong); Chi, D (Chi Dan); Lu, SD (Lu Shu-Di); Li, YP (Li Yan-Pei); Yue, SZ (Yue Shi-Zhong)

Source: ACTA PHYSICO-CHIMICA SINICA Volume: 31 Issue: 5 Pages: 807-816 DOI: 10.3866/PKU.WHXB201503242 Published: MAY 15 2015

Accession Number: WOS:000355386700001

ISSN: 1000-6818

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Record 119 of 342

Title: Wide operation range in-phase coherently coupled vertical cavity surface emitting laser array based on proton implantation

Author(s): Xun, M (Xun, Meng); Xu, C (Xu, Chen); Deng, J (Deng, Jun); Xie, YY (Xie, Yiyang); Jiang, GQ (Jiang, Guoqing); Wang, J (Wang, Jun); Xu, K (Xu, Kun); Chen, HD (Chen, Hongda)

Source: OPTICS LETTERS Volume: 40 Issue: 10 Pages: 2349-2352 DOI: 10.1364/OL.40.002349 Published: MAY 15 2015

Accession Number: WOS:000354708300049

ISSN: 0146-9592

eISSN: 1539-4794

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Record 120 of 342

Title: Misalignment-Tolerant Silicon Optical Modulator With Surface-Normal Optical Interface

Author(s): Zhang, ZY (Zhang, Zanyun); Huang, BJ (Huang, Beiju); Zhang, Z (Zhang, Zan); Liu, HW (Liu, Hongwei); Li, HQ (Li, Hongqiang); Chen, HD (Chen, Hongda)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 10 Pages: 1052-1055 DOI: 10.1109/LPT.2015.2406733 Published: MAY 15 2015

Accession Number: WOS:000353894000005

ISSN: 1041-1135

eISSN: 1941-0174

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Record 121 of 342

Title: Slow-Light Dispersion in One-Dimensional Photonic Crystal Racetrack Ring Resonator

Author(s): Zhang, Y (Zhang, Yong); Qiu, XZ (Qiu, Xingzhi); Zeng, C (Zeng, Cheng); Li, DP (Li, Danping); Gao, G (Gao, Ge); Wang, Y (Wang, Yi); Yu, JZ (Yu, Jinzhong); Xia, JS (Xia, Jinsong)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 10 Pages: 1120-1123 DOI: 10.1109/LPT.2015.2408602 Published: MAY 15 2015

Accession Number: WOS:000353894000022

ISSN: 1041-1135

eISSN: 1941-0174

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Record 122 of 342

Title: An impedance immunosensor based on low-cost microelectrodes and specific monoclonal antibodies for rapid detection of avian influenza virus H5N1 in chicken swabs

Author(s): Lin, JH (Lin, Jianhan); Wang, RH (Wang, Ronghui); Jiao, PR (Jiao, Peirong); Li, YT (Li, Yuntao); Li, YB (Li, Yanbin); Liao, M (Liao, Min); Yu, YD (Yu, Yude); Wang, MH (Wang, Maohua)

Source: BIOSENSORS & BIOELECTRONICS Volume: 67 Special Issue: SI Pages: 546-552 DOI: 10.1016/j.bios.2014.09.037 Published: MAY 15 2015

Accession Number: WOS:000350076900080

PubMed ID: 25263315

ISSN: 0956-5663

eISSN: 1873-4235

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Record 123 of 342

Title: Research on the high indium content InGaAs multiple quantum wells wafers for lambda > 1.55 mu m laser diodes

Author(s): Lin, T (Lin, Tao); Sun, H (Sun, Hang); Zhang, HQ (Zhang, Haoqing); Wang, YG (Wang, Yonggang); Lin, N (Lin, Nan); Ma, XY (Ma, Xiaoyu)

Source: JOURNAL OF ALLOYS AND COMPOUNDS Volume: 631 Pages: 283-287 DOI: 10.1016/j.jallcom.2015.01.120 Published: MAY 15 2015

Accession Number: WOS:000350388800044

ISSN: 0925-8388

eISSN: 1873-4669

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Record 124 of 342

Title: Remarkable and Crystal-Structure-Dependent Piezoelectric and Piezoresistive Effects of InAs Nanowires

Author(s): Li, X (Li, Xing); Wei, XL (Wei, Xianlong); Xu, TT (Xu, Tingting); Pan, D (Pan, Dong); Zhao, JH (Zhao, Jianhua); Chen, Q (Chen, Qing)

Source: ADVANCED MATERIALS Volume: 27 Issue: 18 Pages: 2852-+ DOI: 10.1002/adma.201500037 Published: MAY 13 2015

Accession Number: WOS:000354487100004

PubMed ID: 25820939

Author Identifiers:

Author ResearcherID Number ORCID Number

Wei, Xianlong B-5816-2008

Chen, Qing C-9010-2009

ISSN: 0935-9648

eISSN: 1521-4095

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Record 125 of 342

Title: Observation of interface dependent spin polarized photocurrents in InAs/GaSb superlattice

Author(s): Li, Y (Li, Yuan); Liu, Y (Liu, Yu); Zhu, LP (Zhu, Laipan); Qin, XD (Qin, Xudong); Wu, Q (Wu, Qing); Huang, W (Huang, Wei); Niu, ZC (Niu, Zhichuan); Xiang, W (Xiang, Wei); Hao, HY (Hao, Hongyue); Chen, YH (Chen, Yonghai)

Source: APPLIED PHYSICS LETTERS Volume: 106 Issue: 19 Article Number: 192402 DOI: 10.1063/1.4919894 Published: MAY 11 2015

Accession Number: WOS:000355008100018

ISSN: 0003-6951

eISSN: 1077-3118

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Record 126 of 342

Title: Integrated semiconductor twin-microdisk laser under mutually optical injection

Author(s): Zou, LX (Zou, Ling-Xiu); Liu, BW (Liu, Bo-Wen); Lv, XM (Lv, Xiao-Meng); Yang, YD (Yang, Yue-De); Xiao, JL (Xiao, Jin-Long); Huang, YZ (Huang, Yong-Zhen)

Source: APPLIED PHYSICS LETTERS Volume: 106 Issue: 19 Article Number: 191107 DOI: 10.1063/1.4921098 Published: MAY 11 2015

Accession Number: WOS:000355008100007

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Record 127 of 342

Title: Modulated bandwidth enhancement in an amplified feedback laser

Author(s): Yu, LQ (Yu, Liqiang); Guo, L (Guo, Lu); Lu, D (Lu, Dan); Ji, C (Ji, Chen); Wang, H (Wang, Hao); Zhao, LJ (Zhao, Lingjuan)

Source: CHINESE OPTICS LETTERS Volume: 13 Issue: 5 Article Number: 051401 DOI: 10.3788/COL201513.051401 Published: MAY 10 2015

Accession Number: WOS:000354855800011

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Record 128 of 342

Title: Stimulated emission at 288 nm from silicon-doped AlGaN-based multiple-quantum-well laser

Author(s): Tian, YD (Tian, Yingdong); Yan, JC (Yan, Jianchang); Zhang, Y (Zhang, Yun); Chen, X (Chen, Xiang); Guo, YN (Guo, Yanan); Cong, PP (Cong, Peipei); Sun, LL (Sun, Lili); Wang, QJ (Wang, Qinjin); Guo, EQ (Guo, Enqing); Wei, XC (Wei, Xuecheng); Wang, JX (Wang, Junxi); Li, JM (Li, Jinmin)

Source: OPTICS EXPRESS Volume: 23 Issue: 9 Pages: 11334-11340 DOI: 10.1364/OE.23.011334 Published: MAY 4 2015

Accession Number: WOS:000354337700045

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ISSN: 1094-4087

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Record 129 of 342

Title: Continuous-wave operation up to 20 degrees C of deep-ridge npn-InGaAsP/InP multiple quantum well transistor laser emitting at 1.5-mu m wavelength

Author(s): Qiao, LJ (Qiao, L. J.); Liang, S (Liang, S.); Han, LS (Han, L. S.); Xu, JJ (Xu, J. J.); Zhu, HL (Zhu, H. L.); Wang, W (Wang, W.)

Source: OPTICS EXPRESS Volume: 23 Issue: 9 Pages: 11388-11393 DOI: 10.1364/OE.23.011388 Published: MAY 4 2015

Accession Number: WOS:000354337700050

PubMed ID: 25969233

ISSN: 1094-4087

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Record 130 of 342

Title: Small divergence substrate emitting quantum cascade laser by subwavelength metallic grating

Author(s): Yao, DY (Yao, Dan-Yang); Zhang, JC (Zhang, Jin-Chuan); Liu, YH (Liu, Ying-Hui); Zhuo, N (Zhuo, Ning); Jia, ZW (Jia, Zhi-Wei); Liu, FQ (Liu, Feng-Qi); Wang, ZG (Wang, Zhan-Guo)

Source: OPTICS EXPRESS Volume: 23 Issue: 9 Pages: 11462-11469 DOI: 10.1364/OE.23.011462 Published: MAY 4 2015

Accession Number: WOS:000354337700058

PubMed ID: 25969241

ISSN: 1094-4087

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Record 131 of 342

Title: Novel Optical and Electrical Transport Properties in Atomically Thin WSe2/MoS2 p-n Heterostructures

Author(s): Huo, NJ (Huo, Nengjie); Tongay, S (Tongay, Sefaattin); Guo, WL (Guo, Wenli); Li, RX (Li, Renxiong); Fan, C (Fan, Chao); Lu, FY (Lu, Fangyuan); Yang, JH (Yang, Juehan); Li, B (Li, Bo); Li, YT (Li, Yongtao); Wei, ZM (Wei, Zhongming)

Source: ADVANCED ELECTRONIC MATERIALS Volume: 1 Issue: 5 Article Number: 1400066 DOI: 10.1002/aelm.201400066 Published: MAY 2015

Accession Number: WOS:000357655700003

ISSN: 2199-160X

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Record 132 of 342

Title: A High-Resolution Demodulation Algorithm for FBG-FP Static-Strain Sensors Based on the Hilbert Transform and Cross Third-Order Cumulant

Author(s): Huang, WZ (Huang, Wenzhu); Zhen, TK (Zhen, Tengkun); Zhang, WT (Zhang, Wentao); Zhang, FS (Zhang, Fusheng); Li, F (Li, Fang)

Source: SENSORS Volume: 15 Issue: 5 Pages: 9928-9941 DOI: 10.3390/s150509928 Published: MAY 2015

Accession Number: WOS:000357183100018

PubMed ID: 25923938

ISSN: 1424-8220

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Record 133 of 342

Title: Thin film micro-scaled cold cathode structures of undoped and Si-doped AlN grown on SiC substrate with low turn-on voltage

Author(s): Shi, M (Shi Ming); Chen, P (Chen Ping); Zhao, DG (Zhao De-Gang); Jiang, DS (Jiang De-Sheng); Zheng, J (Zheng Jun); Cheng, BW (Cheng Bu-Wen); Zhu, JJ (Zhu Jian-Jun); Liu, ZS (Liu Zong-Shun); Liu, W (Liu Wei); Li, X (Li Xiang); Zhao, DM (Zhao Dan-Mei); Wang, QM (Wang Qi-Ming); Liu, JP (Liu Jian-Ping); Zhang, SM (Zhang Shu-Ming); Yang, H (Yang Hui)

Source: CHINESE PHYSICS B Volume: 24 Issue: 5 Article Number: 057901 DOI: 10.1088/1674-1056/24/5/057901 Published: MAY 2015

Accession Number: WOS:000356528600084

ISSN: 1674-1056

eISSN: 1741-4199

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Record 134 of 342

Title: An electrically tunable plenoptic camera using a liquid crystal microlens array

Author(s): Lei, Y (Lei, Yu); Tong, Q (Tong, Qing); Zhang, XY (Zhang, Xinyu); Sang, HS (Sang, Hongshi); Ji, A (Ji, An); Xie, CS (Xie, Changsheng)

Source: REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 86 Issue: 5 Article Number: 053101 DOI: 10.1063/1.4921194 Published: MAY 2015

Accession Number: WOS:000355923700002

PubMed ID: 26026508

ISSN: 0034-6748

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Record 135 of 342

Title: Relaxed germanium-tin P-channel tunneling field-effect transistors fabricated on Si: impacts of Sn composition and uniaxial tensile strain

Author(s): Han, GQ (Han, Genquan); Wang, YB (Wang, Yibo); Liu, Y (Liu, Yan); Wang, HJ (Wang, Hongjuan); Liu, MS (Liu, Mingshan); Zhang, CF (Zhang, Chunfu); Zhang, JC (Zhang, Jincheng); Cheng, BW (Cheng, Buwen); Hao, Y (Hao, Yue)

Source: AIP ADVANCES Volume: 5 Issue: 5 Article Number: 057145 DOI: 10.1063/1.4921572 Published: MAY 2015

Accession Number: WOS:000355568100065

ISSN: 2158-3226

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Record 136 of 342

Title: Improved performance of GaN-based light emitting diodes with nanopatterned sapphire substrates fabricated by wet chemical etching

Author(s): Geng, C (Geng, Chong); Yan, QF (Yan, Qingfeng); Dong, P (Dong, Peng); Shan, L (Shan, Liang); Du, CX (Du, Chengxiao); Wei, TB (Wei, Tongbo); Hao, ZBA (Hao, Zhibiao)

Source: JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B Volume: 33 Issue: 3 Article Number: 032402 DOI: 10.1116/1.4916687 Published: MAY 2015

Accession Number: WOS:000355011700050

ISSN: 1071-1023

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Record 137 of 342

Title: Modeling accumulation capacitance-voltage characteristic of MoS2 thin flake transistors

Author(s): Hu, B (Hu, Bo)

Source: SEMICONDUCTOR SCIENCE AND TECHNOLOGY Volume: 30 Issue: 5 Article Number: 055013 DOI: 10.1088/0268-1242/30/5/055013 Published: MAY 2015

Accession Number: WOS:000355212600017

ISSN: 0268-1242

eISSN: 1361-6641

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Record 138 of 342

Title: Effects of a GaN cap layer on the reliability of AlGaN/GaN Schottky diodes

Author(s): Kang, H (Kang, He); Wang, Q (Wang, Quan); Xiao, HL (Xiao, Hongling); Wang, CM (Wang, Cuimei); Jiang, LJ (Jiang, Lijuan); Feng, C (Feng, Chun); Chen, H (Chen, Hong); Yin, HB (Yin, Haibo); Qu, SQ (Qu, Shenqi); Peng, EC (Peng, Enchao); Gong, JM (Gong, Jiamin); Wang, XL (Wang, Xiaoliang); Li, BQ (Li, Baiquan); Wang, ZG (Wang, Zhanguo); Hou, X (Hou, Xun)

Source: PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE Volume: 212 Issue: 5 Special Issue: SI Pages: 1158-1161 DOI: 10.1002/pssa.201431719 Published: MAY 2015

Accession Number: WOS:000354405000042

ISSN: 1862-6300

eISSN: 1862-6319

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Record 139 of 342

Title: Two Different Growth Mechanisms for Au-Free InAsSb Nanowires Growth on Si Substrate

Author(s): Du, WN (Du, Wenna); Yang, XG (Yang, Xiaoguang); Pan, HY (Pan, Huayong); Wang, XY (Wang, Xiaoye); Ji, HM (Ji, Haiming); Luo, S (Luo, Shuai); Ji, XH (Ji, Xianghai); Wang, ZG (Wang, Zhanguo); Yang, T (Yang, Tao)

Source: CRYSTAL GROWTH & DESIGN Volume: 15 Issue: 5 Pages: 2413-2418 DOI: 10.1021/acs.cgd.5b00201 Published: MAY 2015

Accession Number: WOS:000354338600041

Author Identifiers:

Author ResearcherID Number ORCID Number

Yang, Tao K-7430-2012

ISSN: 1528-7483

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Record 140 of 342

Title: Advantages of InGaN Light Emitting Diodes With Alternating Quantum Barriers

Author(s): Yang, YJ (Yang, Yujue); Zhang, L (Zhang, Lian); Wei, TB (Wei, Tongbo); Zeng, YP (Zeng, Yiping)

Source: JOURNAL OF DISPLAY TECHNOLOGY Volume: 11 Issue: 5 Pages: 456-460 DOI: 10.1109/JDT.2015.2412133 Published: MAY 2015

Accession Number: WOS:000354471700010

ISSN: 1551-319X

eISSN: 1558-9323

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Record 141 of 342

Title: Excellent photothermal conversion of core/shell CdSe/Bi2Se3 quantum dots

Author(s): Jia, GZ (Jia, Guo Zhi); Lou, WK (Lou, Wen Kai); Cheng, F (Cheng, Fang); Wang, XL (Wang, Xiong Long); Yao, JH (Yao, Jiang Hong); Dai, N (Dai, Ning); Lin, HQ (Lin, Hai Qing); Chang, K (Chang, Kai)

Source: NANO RESEARCH Volume: 8 Issue: 5 Pages: 1443-1453 DOI: 10.1007/s12274-014-0629-2 Published: MAY 2015

Accession Number: WOS:000354625600003

ISSN: 1998-0124

eISSN: 1998-0000

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Record 142 of 342

Title: A Novel Multi-Finger Gate Structure of AlGaN/GaN High Electron Mobility Transistor

Author(s): Cui, L (Cui Lei); Wang, Q (Wang Quan); Wang, XL (Wang Xiao-Liang); Xiao, HL (Xiao Hong-Ling); Wang, CM (Wang Cui-Mei); Jiang, LJ (Jiang Li-Juan); Feng, C (Feng Chun); Yin, HB (Yin Hai-Bo); Gong, JM (Gong Jia-Min); Li, BQ (Li Bai-Quan); Wang, ZG (Wang Zhan-Guo)

Source: CHINESE PHYSICS LETTERS Volume: 32 Issue: 5 Article Number: 058501 DOI: 10.1088/0256-307X/32/5/058501 Published: MAY 2015

Accession Number: WOS:000354093300041

ISSN: 0256-307X

eISSN: 1741-3540

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Record 143 of 342

Title: Design and Fabrication of a 400 GHz InP-Based Arrayed Waveguide Grating with Flattened Spectral Response

Author(s): Zhang, XL (Zhang Xi-Lin); Liu, ST (Liu Song-Tao); Lu, D (Lu Dan); Zhang, RK (Zhang Rui-Kang); Ji, C (Ji Chen)

Source: CHINESE PHYSICS LETTERS Volume: 32 Issue: 5 Article Number: 054202 DOI: 10.1088/0256-307X/32/5/054202 Published: MAY 2015

Accession Number: WOS:000354093300014

ISSN: 0256-307X

eISSN: 1741-3540

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Record 144 of 342

Title: Fabrication of 32Gb/s Electroabsorption Modulated Distributed Feedback Lasers by Selective Area Growth Technology

Author(s): Zhou, DB (Zhou, Dai-Bing); Wang, HT (Wang Hui-Tao); Zhang, RK (Zhang Rui-Kang); Wang, BJ (Wang Bao-Jun); Bian, J (Bian Jing); An, X (An Xin); Lu, D (Lu Dan); Zhao, LJ (Zhao Ling-Juan); Zhu, HL (Zhu Hong-Liang); Ji, C (Ji Chen); Wang, W (Wang Wei)

Source: CHINESE PHYSICS LETTERS Volume: 32 Issue: 5 Article Number: 054205 DOI: 10.1088/0256-307X/32/5/054205 Published: MAY 2015

Accession Number: WOS:000354093300017

ISSN: 0256-307X

eISSN: 1741-3540

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Record 145 of 342

Title: Wideband and High Dynamic DFB Laser Used for Short Pulse Recovery

Author(s): Chang, MC (Chang, Mingchao); Xie, L (Xie, Liang); Qi, XQ (Qi, Xiaoqiong); Peng, ZT (Peng, Zhitao); Dong, J (Dong, Jun)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 9 Pages: 931-934 DOI: 10.1109/LPT.2015.2398456 Published: MAY 1 2015

Accession Number: WOS:000353632600002

ISSN: 1041-1135

eISSN: 1941-0174

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Record 146 of 342

Title: Single-Mode Emission From Ge Quantum Dots in Photonic Crystal Nanobeam Cavity

Author(s): Zhang, Y (Zhang, Yong); Zeng, C (Zeng, Cheng); Zhang, H (Zhang, He); Li, DP (Li, Danping); Gao, G (Gao, Ge); Huang, QZ (Huang, Qingzhong); Wang, Y (Wang, Yi); Yu, JZ (Yu, Jinzhong); Xia, JS (Xia, Jinsong)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 9 Pages: 1026-1029 DOI: 10.1109/LPT.2015.2405555 Published: MAY 1 2015

Accession Number: WOS:000353632600026

ISSN: 1041-1135

eISSN: 1941-0174

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Record 147 of 342

Title: High-Mobility In0.23Ga0.77As Channel MOSFETs Grown on Ge/Si Virtual Substrate by MOCVD

Author(s): Kong, XT (Kong, Xiangting); Zhou, XL (Zhou, Xuliang); Li, SY (Li, Shiyan); Chang, HD (Chang, Hudong); Liu, HG (Liu, Honggang); Wang, J (Wang, Jing); Liang, RR (Liang, Renrong); Wang, W (Wang, Wei); Pan, JQ (Pan, Jiaoqing)

Source: IEEE TRANSACTIONS ON ELECTRON DEVICES Volume: 62 Issue: 5 Pages: 1456-1459 DOI: 10.1109/TED.2015.2411674 Published: MAY 2015

Accession Number: WOS:000353564600013

ISSN: 0018-9383

eISSN: 1557-9646

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Record 148 of 342

Title: Frequency Stability of RF-MEMS Disk Resonators

Author(s): Yuan, Q (Yuan, Quan); Luo, W (Luo, Wei); Zhao, H (Zhao, Hui); Peng, BH (Peng, Bohua); Yang, JL (Yang, Jinling); Yang, FH (Yang, Fuhua)

Source: IEEE TRANSACTIONS ON ELECTRON DEVICES Volume: 62 Issue: 5 Pages: 1603-1608 DOI: 10.1109/TED.2015.2415199 Published: MAY 2015

Accession Number: WOS:000353564600036

ISSN: 0018-9383

eISSN: 1557-9646

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Record 149 of 342

Title: Contact properties of field-effect transistors based on indium arsenide nanowires thinner than 16 nm

Author(s): Shi, TW (Shi, Tuanwei); Fu, MQ (Fu, Mengqi); Pan, D (Pan, Dong); Guo, Y (Guo, Yao); Zhao, JH (Zhao, Jianhua); Chen, Q (Chen, Qing)

Source: NANOTECHNOLOGY Volume: 26 Issue: 17 Article Number: 175202 DOI: 10.1088/0957-4484/26/17/175202 Published: MAY 1 2015

Accession Number: WOS:000353110200004

PubMed ID: 25854416

Author Identifiers:

Author ResearcherID Number ORCID Number

Chen, Qing C-9010-2009

ISSN: 0957-4484

eISSN: 1361-6528

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Record 150 of 342

Title: Temperature-dependent photoluminescence and Raman investigation of Cu-incorporated ZnO nanorods

Author(s): Yu, JL (Yu, J. L.); Lai, YF (Lai, Y. F.); Cheng, SY (Cheng, S. Y.); Zheng, Q (Zheng, Q.); Chen, YH (Chen, Y. H.)

Source: JOURNAL OF LUMINESCENCE Volume: 161 Pages: 330-334 DOI: 10.1016/j.jlumin.2015.01.048 Published: MAY 2015

Accession Number: WOS:000352663500050

ISSN: 0022-2313

eISSN: 1872-7883

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Record 151 of 342

Title: Current Crowding Phenomenon: Theoretical and Direct Correlation With the Efficiency Droop of Light Emitting Diodes by a Modified ABC Model

Author(s): Wang, LC (Wang, Liancheng); Zhang, ZH (Zhang, Zi-Hui); Wang, N (Wang, Ning)

Source: IEEE JOURNAL OF QUANTUM ELECTRONICS Volume: 51 Issue: 5 Pages: 1-9 DOI: 10.1109/JQE.2015.2409305 Published: MAY 2015

Accession Number: WOS:000352490300001

ISSN: 0018-9197

eISSN: 1558-1713

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Record 152 of 342

Title: WIDEBAND FIBER-OPTIC DELAY LINE WITH DYNAMIC DELAY DRIFT COMPENSATION

Author(s): Qi, XQ (Qi, Xiaoqiong); Xie, L (Xie, Liang); Wang, H (Wang, Hui)

Source: MICROWAVE AND OPTICAL TECHNOLOGY LETTERS Volume: 57 Issue: 5 DOI: 10.1002/mop.29047 Published: MAY 2015

Accession Number: WOS:000351835800050

ISSN: 0895-2477

eISSN: 1098-2760

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Record 153 of 342

Title: 85-W Burst-Mode Pulse Fiber Amplifier Based on a Q-Switched Mode-Locked Laser With Output Energy 0.5 mJ per Burst Pulse

Author(s): Yu, HJ (Yu, Haijuan); Zhang, JY (Zhang, Jingyuan); Qi, YY (Qi, Yaoyao); Zhang, L (Zhang, Ling); Zou, SZ (Zou, Shuzhen); Wang, L (Wang, Lei); Lin, XC (Lin, Xuechun)

Source: JOURNAL OF LIGHTWAVE TECHNOLOGY Volume: 33 Issue: 9 Pages: 1761-1765 DOI: 10.1109/JLT.2015.2397007 Published: MAY 1 2015

Accession Number: WOS:000351352700009

ISSN: 0733-8724

eISSN: 1558-2213

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Record 154 of 342

Title: Optimization of the nanopore depth to improve the electroluminescence for GaN-based nanoporous green LEDs

Author(s): Yu, ZG (Yu, Zhi-Guo); Zhao, LX (Zhao, Li-Xia); Zhu, SC (Zhu, Shi-Chao); Wei, XC (Wei, Xue-Cheng); Sun, XJ (Sun, Xue-Jiao); Liu, L (Liu, Lei); Wang, JX (Wang, Jun-Xi); Li, JM (Li, Jin-Min)

Source: MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING Volume: 33 Pages: 76-80 DOI: 10.1016/j.mssp.2015.01.039 Published: MAY 2015

Accession Number: WOS:000351652400011

ISSN: 1369-8001

eISSN: 1873-4081

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Record 155 of 342

Title: Optical and electrical properties of textured sulfur-hyperdoped silicon: a thermal annealing study

Author(s): Wang, KF (Wang, Ke-Fan); Liu, PG (Liu, Pingan); Qu, SC (Qu, Shengchun); Wang, YX (Wang, Yuanxu); Wang, ZG (Wang, Zhanguo)

Source: JOURNAL OF MATERIALS SCIENCE Volume: 50 Issue: 9 Pages: 3391-3398 DOI: 10.1007/s10853-015-8895-2 Published: MAY 2015

Accession Number: WOS:000350569600010

ISSN: 0022-2461

eISSN: 1573-4803

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Record 156 of 342

Title: Phase-coherent transport and spin relaxation in InAs nanowires grown by molecule beam epitaxy

Author(s): Wang, LB (Wang, L. B.); Guo, JK (Guo, J. K.); Kang, N (Kang, N.); Pan, D (Pan, Dong); Li, S (Li, Sen); Fan, DX (Fan, Dingxun); Zhao, JH (Zhao, Jianhua); Xu, HQ (Xu, H. Q.)

Source: APPLIED PHYSICS LETTERS Volume: 106 Issue: 17 Article Number: 173105 DOI: 10.1063/1.4919390 Published: APR 27 2015

Accession Number: WOS:000353839100048

Author Identifiers:

Author ResearcherID Number ORCID Number

Fan, Dingxun J-5860-2015

Xu, Hongqi B-2154-2013

ISSN: 0003-6951

eISSN: 1077-3118

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Record 157 of 342

Title: A memristive diode for neuromorphic computing

Author(s): Wang, XL (Wang, Xiaolei); Shao, Q (Shao, Qi); Ku, PS (Ku, Pui Sze); Ruotolo, A (Ruotolo, Antonio)

Source: MICROELECTRONIC ENGINEERING Volume: 138 Pages: 7-11 DOI: 10.1016/j.mee.2014.12.008 Published: APR 20 2015

Accession Number: WOS:000355035000003

Author Identifiers:

Author ResearcherID Number ORCID Number

Ruotolo, Antonio F-3791-2014 0000-0001-6659-6618

ISSN: 0167-9317

eISSN: 1873-5568

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Record 158 of 342

Title: Optical vector network analyzer with improved accuracy based on polarization modulation and polarization pulling

Author(s): Li, W (Li, Wei); Liu, JG (Liu, Jian Guo); Zhu, NH (Zhu, Ning Hua)

Source: OPTICS LETTERS Volume: 40 Issue: 8 Pages: 1679-1682 DOI: 10.1364/OL.40.001679 Published: APR 15 2015

Accession Number: WOS:000353920100016

PubMed ID: 25872046

ISSN: 0146-9592

eISSN: 1539-4794

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Record 159 of 342

Title: Correlations in pulsed resonance fluorescence

Author(s): Konthasinghe, K (Konthasinghe, K.); Peiris, M (Peiris, M.); Petrak, B (Petrak, B.); Yu, Y (Yu, Y.); Niu, ZC (Niu, Z. C.); Muller, A (Muller, A.)

Source: OPTICS LETTERS Volume: 40 Issue: 8 Pages: 1846-1849 DOI: 10.1364/OL.40.001846 Published: APR 15 2015

Accession Number: WOS:000353920100059

PubMed ID: 25872089

ISSN: 0146-9592

eISSN: 1539-4794

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Record 160 of 342

Title: Demonstration of a Directed Optical Comparator Based on Two Cascaded Microring Resonators

Author(s): Yang, L (Yang, Lin); Guo, CM (Guo, Chunming); Zhu, WW (Zhu, Weiwei); Zhang, L (Zhang, Lei); Sun, CZ (Sun, Changzheng)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 8 Pages: 809-812 DOI: 10.1109/LPT.2015.2390618 Published: APR 15 2015

Accession Number: WOS:000352497000002

ISSN: 1041-1135

eISSN: 1941-0174

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Record 161 of 342

Title: Plasmonic Hologram Based on Metallic Nanowire Gratings

Author(s): Sheng, X (Sheng, Xin); Cui, J (Cui, Jie); Zheng, J (Zheng, Jun); Ye, ZC (Ye, Zhi-Cheng)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 8 Pages: 813-816 DOI: 10.1109/LPT.2015.2390776 Published: APR 15 2015

Accession Number: WOS:000352497000003

ISSN: 1041-1135

eISSN: 1941-0174

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Record 162 of 342

Title: Efficiency Droop Reduction in InGaN LEDs by Alternating AlGaN Barriers With GaN Barriers

Author(s): Yang, YJ (Yang, Yujue); Zeng, YP (Zeng, Yiping)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 8 Pages: 844-847 DOI: 10.1109/LPT.2015.2394492 Published: APR 15 2015

Accession Number: WOS:000352497000011

ISSN: 1041-1135

eISSN: 1941-0174

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Record 163 of 342

Title: Influence of substrate surface defects on the homoepitaxial growth of GaN (0001) by metalorganic vapor phase epitaxy

Author(s): Zhou, K (Zhou, Kun); Liu, JP (Liu, Jianping); Ikeda, M (Ikeda, Masao); Zhang, SM (Zhang, Shuming); Li, DY (Li, Deyao); Zhang, LQ (Zhang, Liqun); Zeng, C (Zeng, Chang); Yang, H (Yang, Hui)

Source: JOURNAL OF CRYSTAL GROWTH Volume: 416 Pages: 175-181 DOI: 10.1016/j.jcrysgro.2015.01.030 Published: APR 15 2015

Accession Number: WOS:000350748000031

ISSN: 0022-0248

eISSN: 1873-5002

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Record 164 of 342

Title: Heterodyne interrogation system for TDM interferometric fiber optic sensors array

Author(s): Fang, GS (Fang, Gaosheng); Xu, TW (Xu, Tuanwei); Li, F (Li, Fang)

Source: OPTICS COMMUNICATIONS Volume: 341 Pages: 74-78 DOI: 10.1016/j.optcom.2014.12.018 Published: APR 15 2015

Accession Number: WOS:000349500000012

ISSN: 0030-4018

eISSN: 1873-0310

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Record 165 of 342

Title: 10-W pulsed operation of substrate emitting photonic-crystal quantum cascade laser with very small divergence

Author(s): Yao, DY (Yao, Dan-Yang); Zhang, JC (Zhang, Jin-Chuan); Cathabard, O (Cathabard, Olivier); Zhai, SQ (Zhai, Shen-Qiang); Liu, YH (Liu, Ying-Hui); Jia, ZW (Jia, Zhi-Wei); Liu, FQ (Liu, Feng-Qi); Wang, ZG (Wang, Zhan-Guo)

Source: NANOSCALE RESEARCH LETTERS Volume: 10 Article Number: 177 DOI: 10.1186/s11671-015-0877-4 Published: APR 14 2015

Accession Number: WOS:000353208200001

PubMed ID: 25977652

ISSN: 1556-276X

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Record 166 of 342

Title: Distributed Bragg reflector laser (1.8 mu m) with 10 nm wavelength tuning range

Author(s): Mi, JP (Mi, Junping); Yu, HY (Yu, Hongyan); Yuan, LJ (Yuan, Lijun); Li, SY (Li, Shiyan); Li, MK (Li, Mengke); Liang, S (Liang, Song); Kan, Q (Kan, Qiang); Pan, JQ (Pan, Jiaoqing)

Source: CHINESE OPTICS LETTERS Volume: 13 Issue: 4 Article Number: 041401 DOI: 10.3788/COL201513.041401 Published: APR 10 2015

Accession Number: WOS:000353671800008

ISSN: 1671-7694

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Record 167 of 342

Title: Coupled ridge waveguide distributed feedback quantum cascade laser arrays

Author(s): Liu, YH (Liu, Ying-Hui); Zhang, JC (Zhang, Jin-Chuan); Yan, FL (Yan, Fang-Liang); Liu, FQ (Liu, Feng-Qi); Zhuo, N (Zhuo, Ning); Wang, LJ (Wang, Li-Jun); Liu, JQ (Liu, Jun-Qi); Wang, ZG (Wang, Zhan-Guo)

Source: APPLIED PHYSICS LETTERS Volume: 106 Issue: 14 Article Number: 142104 DOI: 10.1063/1.4917294 Published: APR 6 2015

Accession Number: WOS:000352820700014

ISSN: 0003-6951

eISSN: 1077-3118

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Record 168 of 342

Title: High performance 2150 nm-emitting InAs/InGaAs/InP quantum well lasers grown by metalorganic vapor phase epitaxy

Author(s): Luo, S (Luo, S.); Ji, HM (Ji, H. M.); Gao, F (Gao, F.); Xu, F (Xu, F.); Yang, XG (Yang, X. G.); Liang, P (Liang, P.); Yang, T (Yang, T.)

Source: OPTICS EXPRESS Volume: 23 Issue: 7 Pages: 8383-8388 DOI: 10.1364/OE.23.008383 Published: APR 6 2015

Accession Number: WOS:000352290000042

PubMed ID: 25968677

Author Identifiers:

Author ResearcherID Number ORCID Number

Yang, Tao K-7430-2012

ISSN: 1094-4087

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Record 169 of 342

Title: Hybrid III-V/silicon laser with laterally coupled Bragg grating

Author(s): Cao, YL (Cao, Yu-Lian); Hu, XN (Hu, Xiao-Nan); Luo, XS (Luo, Xian-Shu); Song, JF (Song, Jun-Feng); Cheng, YB (Cheng, Yuanbing); Li, CM (Li, Cheng-Ming); Liu, CY (Liu, Chong-Yang); Wang, H (Wang, Hong); Liow, TY (Liow Tsung-Yang); Lo, GQ (Lo, Guo-Qiang); Wang, QJ (Wang, QiJie)

Source: OPTICS EXPRESS Volume: 23 Issue: 7 Pages: 8809-8817 DOI: 10.1364/OE.23.008809 Published: APR 6 2015

Accession Number: WOS:000352290000082

ISSN: 1094-4087

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Record 170 of 342

Title: Molecular-beam epitaxy of high-quality diluted magnetic semiconductor (Ga, Mn)Sb single-crystalline films

Author(s): Zhu, MY (Zhu Meng-Yao); Lu, J (Lu Jun); Ma, JL (Ma Jia-Lin); Li, LX (Li Li-Xia); Wang, HL (Wang Hai-Long); Pan, D (Pan Dong); Zhao, JH (Zhao Jian-Hua)

Source: ACTA PHYSICA SINICA Volume: 64 Issue: 7 Article Number: 077501 DOI: 10.7498/aps.64.077501 Published: APR 5 2015

Accession Number: WOS:000354058800043

ISSN: 1000-3290

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Record 171 of 342

Title: A flexible integrated photodetector system driven by on-chip microsupercapacitors

Author(s): Xu, J (Xu, Jing); Shen, GZ (Shen, Guozhen)

Source: NANO ENERGY Volume: 13 Pages: 131-139 DOI: 10.1016/j.nanoen.2015.02.027 Published: APR 2015

Accession Number: WOS:000358414700014

ISSN: 2211-2855

eISSN: 2211-3282

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Record 172 of 342

Title: Transparent graphene interconnects for monolithic integration of GaN-based LEDs

Author(s): Tian, T (Tian, Ting); Zhan, T (Zhan, Teng); Guo, JX (Guo, Jinxia); Ma, J (Ma, Jun); Cheng, Y (Cheng, Yan); Zhao, Y (Zhao, Yun); Yi, XY (Yi, Xiaoyan); Liu, ZQ (Liu, Zhiqiang); Wang, GH (Wang, Guohong)

Source: APPLIED PHYSICS EXPRESS Volume: 8 Issue: 4 Article Number: 042102 DOI: 10.7567/APEX.8.042102 Published: APR 2015

Accession Number: WOS:000354696900008

ISSN: 1882-0778

eISSN: 1882-0786

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Record 173 of 342

Title: Optimization of substrate conformal imprint lithography (SCIL) and etching for nanostructure

Author(s): Geng, ZX (Geng, Zhaoxin); Guo, XB (Guo, Xiangbin); Kan, Q (Kan, Qiang); Chen, HD (Chen, Hongda)

Source: AIP ADVANCES Volume: 5 Issue: 4 Article Number: 041308 DOI: 10.1063/1.4904061 Published: APR 2015

Accession Number: WOS:000353827700009

ISSN: 2158-3226

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Record 174 of 342

Title: A Visual-Aided Wireless Monitoring System Design for Total Hip Replacement Surgery

Author(s): Chen, H (Chen, Hong); Gao, JY (Gao, Jiyang); Su, SJ (Su, Shaojie); Zhang, X (Zhang, Xu); Wang, ZH (Wang, Zhihua)

Source: IEEE TRANSACTIONS ON BIOMEDICAL CIRCUITS AND SYSTEMS Volume: 9 Issue: 2 Special Issue: SI Pages: 227-236 DOI: 10.1109/TBCAS.2015.2416253 Published: APR 2015

Accession Number: WOS:000353900400009

PubMed ID: 25879970

Author Identifiers:

Author ResearcherID Number ORCID Number

Chen, Hong J-5941-2015 0000-0003-0774-1410

ISSN: 1932-4545

eISSN: 1940-9990

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Record 175 of 342

Title: A low power global shutter pixel with extended FD voltage swing range for large format high speed CMOS image sensor

Author(s): Zhou, YF (Zhou YangFan); Cao, ZX (Cao ZhongXiang); Han, Y (Han Ye); Li, QL (Li QuanLiang); Shi, C (Shi Cong); Dou, RJ (Dou RunJiang); Qin, Q (Qin Qi); Liu, J (Liu Jian); Wu, NJ (Wu NanJian)

Source: SCIENCE CHINA-INFORMATION SCIENCES Volume: 58 Issue: 4 Article Number: 042406 DOI: 10.1007/s11432-014-5272-8 Published: APR 2015

Accession Number: WOS:000353817800014

ISSN: 1674-733X

eISSN: 1869-1919

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Record 176 of 342

Title: AN ANALOG MODULATOR FOR 460 MB/S VISIBLE LIGHT DATA TRANSMISSION BASED ON OOK-NRZ MODULATION

Author(s): Li, HL (Li, Honglei); Chen, XB (Chen, Xiongbin); Guo, JQ (Guo, Junqing); Gao, ZY (Gao, Zongyu); Chen, HD (Chen, Hongda)

Source: IEEE WIRELESS COMMUNICATIONS Volume: 22 Issue: 2 Pages: 68-73 Published: APR 2015

Accession Number: WOS:000353889100011

ISSN: 1536-1284

eISSN: 1558-0687

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Record 177 of 342

Title: Advances in Isolating Circulating Tumor Cells With Microfluidic Chips

Author(s): Lu, XQ (Lu Xiao-Qing); Li, L (Li Lei); Chen, HM (Chen Hong-Mei); Chen, P (Chen Peng); Liu, J (Liu Jing)

Source: PROGRESS IN BIOCHEMISTRY AND BIOPHYSICS Volume: 42 Issue: 4 Pages: 301-312 Published: APR 2015

Accession Number: WOS:000353528300001

ISSN: 1000-3282

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Record 178 of 342

Title: Optical contrast determination of the thickness of SiO2 film on Si substrate partially covered by two-dimensional crystal flakes

Author(s): Lu, Y (Lu, Yan); Li, XL (Li, Xiao-Li); Zhang, X (Zhang, Xin); Wu, JB (Wu, Jiang-Bin); Tan, PH (Tan, Ping-Heng)

Source: Science Bulletin Volume: 60 Issue: 8 Pages: 806-811 DOI: 10.1007/s11434-015-0774-3 Published: APR 2015

Accession Number: WOS:000353470800009

Author Identifiers:

Author ResearcherID Number ORCID Number

TAN, Ping-Heng D-1137-2009 0000-0001-6575-1516

ISSN: 2095-9273

eISSN: 2095-9281

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Record 179 of 342

Title: Unusual and Tunable One-Photon Nonlinearity in Gold-Dye Plexcitonic Fano Systems

Author(s): Nan, F (Nan, Fan); Zhang, YF (Zhang, Ya-Fang); Li, XG (Li, Xiaoguang); Zhang, XT (Zhang, Xiao-Tian); Li, H (Li, Hang); Zhang, XH (Zhang, Xinhui); Jiang, RB (Jiang, Ruibin); Wang, JF (Wang, Jianfang); Zhang, W (Zhang, Wei); Zhou, L (Zhou, Li); Wang, JH (Wang, Jia-Hong); Wang, QQ (Wang, Qu-Quan); Zhang, ZY (Zhang, Zhenyu)

Source: NANO LETTERS Volume: 15 Issue: 4 Pages: 2705-2710 DOI: 10.1021/acs.nanolett.5b00413 Published: APR 2015

Accession Number: WOS:000352750200074

PubMed ID: 25756956

Author Identifiers:

Author ResearcherID Number ORCID Number

Wang, Jianfang O-1810-2013

ISSN: 1530-6984

eISSN: 1530-6992

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Record 180 of 342

Title: Controlled Growth of Few-Layer Hexagonal Boron Nitride on Copper Foils Using Ion Beam Sputtering Deposition

Author(s): Wang, HL (Wang, Haolin); Zhang, XW (Zhang, Xingwang); Meng, JH (Meng, Junhua); Yin, ZG (Yin, Zhigang); Liu, X (Liu, Xin); Zhao, YJ (Zhao, Yajuan); Zhang, LQ (Zhang, Liuqi)

Source: SMALL Volume: 11 Issue: 13 Pages: 1542-1547 DOI: 10.1002/smll.201402468 Published: APR 1 2015

Accession Number: WOS:000352555000007

PubMed ID: 25367702

ISSN: 1613-6810

eISSN: 1613-6829

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Record 181 of 342

Title: Single- and Few-Electron States in Deformed Topological Insulator Quantum Dots

Author(s): Li, J (Li Jian); Zhang, D (Zhang Dong)

Source: CHINESE PHYSICS LETTERS Volume: 32 Issue: 4 Article Number: 047303 DOI: 10.1088/0256-307X/32/4/047303 Published: APR 2015

Accession Number: WOS:000352432800026

ISSN: 0256-307X

eISSN: 1741-3540

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Record 182 of 342

Title: Optimization of Hybrid Silicon Lasers for High-Speed Direct Modulation

Author(s): Cao, YL (Cao, Yu Lian); Hu, XN (Hu, Xiao Nan); Cheng, YB (Cheng, Yuan Bing); Wang, H (Wang, Hong); Wang, QJ (Wang, Qi Jie)

Source: IEEE PHOTONICS JOURNAL Volume: 7 Issue: 2 Article Number: 1501013 DOI: 10.1109/JPHOT.2015.2404531 Published: APR 2015

Accession Number: WOS:000352274100006

ISSN: 1943-0655

eISSN: 1943-0647

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Record 183 of 342

Title: Mode Investigation for Hybrid Microring Lasers With Sloped Sidewalls Coupled to a Silicon Waveguide

Author(s): Sui, SS (Sui, Shao-Shuai); Tang, MY (Tang, Ming-Ying); Yang, YD (Yang, Yue-De); Xiao, JL (Xiao, Jin-Long); Du, Y (Du, Yun); Huang, YZ (Huang, Yong-Zhen)

Source: IEEE PHOTONICS JOURNAL Volume: 7 Issue: 2 Article Number: 6100209 DOI: 10.1109/JPHOT.2015.2416119 Published: APR 2015

Accession Number: WOS:000352274100019

ISSN: 1943-0655

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Record 184 of 342

Title: Enhanced sensitivity of gold elliptic nanohole array biosensor with the surface plasmon polaritons coupling

Author(s): Yuan, J (Yuan, Jun); Xie, YY (Xie, YiYang); Geng, ZX (Geng, ZhaoXin); Wang, CX (Wang, ChunXia); Chen, HM (Chen, HongMei); Kan, Q (Kan, Qiang); Chen, HD (Chen, HongDa)

Source: OPTICAL MATERIALS EXPRESS Volume: 5 Issue: 4 Pages: 818-826 DOI: 10.1364/OME.5.000818 Published: APR 1 2015

Accession Number: WOS:000352293100017

ISSN: 2159-3930

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Record 185 of 342

Title: Reconfigurable nonblocking 4-port silicon thermo-optic optical router based on Mach-Zehnder optical switches

Author(s): Yang, L (Yang, Lin); Xia, YH (Xia, Yuhao); Zhang, FF (Zhang, Fanfan); Chen, QS (Chen, Qiaoshan); Ding, JF (Ding, Jianfeng); Zhou, P (Zhou, Ping); Zhang, L (Zhang, Lei)

Source: OPTICS LETTERS Volume: 40 Issue: 7 Pages: 1402-1405 DOI: 10.1364/OL.40.001402 Published: APR 1 2015

Accession Number: WOS:000352154600068

PubMed ID: 25831343

ISSN: 0146-9592

eISSN: 1539-4794

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Record 186 of 342

Title: Swept optical SSB-SC modulation technique for high-resolution large-dynamic-range static strain measurement using FBG-FP sensors

Author(s): Huang, WZ (Huang, Wenzhu); Zhang, WT (Zhang, Wentao); Li, F (Li, Fang)

Source: OPTICS LETTERS Volume: 40 Issue: 7 Pages: 1406-1409 DOI: 10.1364/OL.40.001406 Published: APR 1 2015

Accession Number: WOS:000352154600069

PubMed ID: 25831344

ISSN: 0146-9592

eISSN: 1539-4794

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Title: A modified structure with asymmetric and doping barrier interlayers of GaAs-based laser diodes with both small vertical divergence angle and low threshold current

Author(s): Li, X (Li, X.); Zhao, DG (Zhao, D. G.); Jiang, DS (Jiang, D. S.); Chen, P (Chen, P.); Liu, ZS (Liu, Z. S.); Shi, M (Shi, M.); Zhao, DM (Zhao, D. M.); Liu, W (Liu, W.); Zhu, JJ (Zhu, J. J.); Zhang, SM (Zhang, S. M.); Yang, H (Yang, H.)

Source: SUPERLATTICES AND MICROSTRUCTURES Volume: 80 Pages: 111-117 DOI: 10.1016/j.spmi.2015.01.006 Published: APR 2015

Accession Number: WOS:000352044900012

ISSN: 0749-6036

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Record 188 of 342

Title: 40 Gb/s All-Silicon Photodetector Based on Microring Resonators

Author(s): Li, XY (Li, Xianyao); Li, ZY (Li, Zhiyong); Xiao, X (Xiao, Xi); Xu, H (Xu, Hao); Yu, JZ (Yu, Jinzhong); Yu, YD (Yu, Yude)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 7 Pages: 729-732 DOI: 10.1109/LPT.2015.2390619 Published: APR 1 2015

Accession Number: WOS:000350877700012

ISSN: 1041-1135

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Record 189 of 342

Title: A High Extinction Ratio Polarization Beam Splitter With MMI Couplers on InP Substrate

Author(s): Han, LS (Han, Liangshun); Liang, S (Liang, Song); Zhu, HL (Zhu, Hongliang); Zhang, C (Zhang, Can); Wang, W (Wang, Wei)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 7 Pages: 782-785 DOI: 10.1109/LPT.2015.2392383 Published: APR 1 2015

Accession Number: WOS:000350877700026

ISSN: 1041-1135

eISSN: 1941-0174

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Record 190 of 342

Title: Raman spectroscopy at the edges of multilayer graphene

Author(s): Li, QQ (Li, Q. -Q.); Zhang, X (Zhang, X.); Han, WP (Han, W. -P.); Lu, Y (Lu, Y.); Shi, W (Shi, W.); Wu, JB (Wu, J. -B.); Tan, PH (Tan, P. -H.)

Source: CARBON Volume: 85 Pages: 221-224 DOI: 10.1016/j.carbon.2014.12.096 Published: APR 2015

Accession Number: WOS:000349724700024

Author Identifiers:

Author ResearcherID Number ORCID Number

TAN, Ping-Heng D-1137-2009 0000-0001-6575-1516

ISSN: 0008-6223

eISSN: 1873-3891

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Record 191 of 342

Title: Sixteen-Wavelength Hybrid AlGaInAs/Si Microdisk Laser Array

Author(s): Sui, SS (Sui, Shao-Shuai); Tang, MY (Tang, Ming-Ying); Yang, YD (Yang, Yue-De); Xiao, JL (Xiao, Jin-Long); Du, Y (Du, Yun); Huang, YZ (Huang, Yong-Zhen)

Source: IEEE JOURNAL OF QUANTUM ELECTRONICS Volume: 51 Issue: 4 Article Number: 2600108 DOI: 10.1109/JQE.2015.2397601 Published: APR 2015

Accession Number: WOS:000349676500001

ISSN: 0018-9197

eISSN: 1558-1713

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Record 192 of 342

Title: Passive and Semi-Passive Wireless Temperature and Humidity Sensors Based on EPC Generation-2 UHF Protocol

Author(s): Yu, SM (Yu, Shuang-Ming); Feng, P (Feng, Peng); Wu, NJ (Wu, Nan-Jian)

Source: IEEE SENSORS JOURNAL Volume: 15 Issue: 4 Pages: 2403-2411 DOI: 10.1109/JSEN.2014.2375180 Published: APR 2015

Accession Number: WOS:000349780000009

ISSN: 1530-437X

eISSN: 1558-1748

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Record 193 of 342

Title: Enhanced sensing performance of the Co3O4 hierarchical nanorods to NH3 gas

Author(s): Deng, JA (Deng, Jianan); Zhang, R (Zhang, Rui); Wang, LL (Wang, Lili); Lou, Z (Lou, Zheng); Zhang, T (Zhang, Tong)

Source: SENSORS AND ACTUATORS B-CHEMICAL Volume: 209 Pages: 449-455 DOI: 10.1016/j.snb.2014.11.141 Published: MAR 31 2015

Accession Number: WOS:000349082200059

ISSN: 0925-4005

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Record 194 of 342

Title: Study on the response of InAs nanowire transistors to H2O and NO2

Author(s): Zhang, XT (Zhang, Xiantong); Fu, MQ (Fu, Mengqi); Li, X (Li, Xing); Shi, TW (Shi, Tuanwei); Ning, ZY (Ning, Zhiyuan); Wang, XY (Wang, Xiaoye); Yang, T (Yang, Tao); Chen, Q (Chen, Qing)

Source: SENSORS AND ACTUATORS B-CHEMICAL Volume: 209 Pages: 456-461 DOI: 10.1016/j.snb.2014.11.142 Published: MAR 31 2015

Accession Number: WOS:000349082200060

Author Identifiers:

Author ResearcherID Number ORCID Number

Yang, Tao K-7430-2012

Chen, Qing C-9010-2009

ISSN: 0925-4005

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Record 195 of 342

Title: Low-cost Au nanoparticle-decorated cicada wing as sensitive and recyclable substrates for surface enhanced Raman scattering

Author(s): Lv, MY (Lv, Ming Yang); Teng, HY (Teng, Hai Yan); Chen, ZY (Chen, Zhao Yang); Zhao, YM (Zhao, Yong Mei); Zhang, X (Zhang, Xin); Liu, L (Liu, Luo); Wu, ZL (Wu, Zhenglong); Liu, LM (Liu, Li Min); Xu, HJ (Xu, Hai Jun)

Source: SENSORS AND ACTUATORS B-CHEMICAL Volume: 209 Pages: 820-827 DOI: 10.1016/j.snb.2014.12.061 Published: MAR 31 2015

Accession Number: WOS:000349082200108

ISSN: 0925-4005

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Record 196 of 342

Title: Surfactant-assisted solvothermal synthesis of single-crystal zinc antimonide nanorods

Author(s): Zhong, MZ (Zhong, Mianzeng); Meng, XQ (Meng, Xiuqing); Li, JB (Li, Jingbo)

Source: APPLIED SURFACE SCIENCE Volume: 332 Pages: 76-79 DOI: 10.1016/j.apsusc.2015.01.125 Published: MAR 30 2015

Accession Number: WOS:000350373300010

ISSN: 0169-4332

eISSN: 1873-5584

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Record 197 of 342

Title: Strain-induced gap transition and anisotropic Dirac-like cones in monolayer and bilayer phosphorene

Author(s): Wang, C (Wang, Can); Xia, QL (Xia, Qinglin); Nie, YZ (Nie, Yaozhuang); Guo, GH (Guo, Guanghua)

Source: JOURNAL OF APPLIED PHYSICS Volume: 117 Issue: 12 Article Number: 124302 DOI: 10.1063/1.4916254 Published: MAR 28 2015

Accession Number: WOS:000352315700032

ISSN: 0021-8979

eISSN: 1089-7550

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Record 198 of 342

Title: In-Phase Family and Self-Similarity of Interlayer Vibrational Frequencies in van der Waals Layered Materials

Author(s): Wang, H (Wang, Hui); Feng, M (Feng, Min); Zhang, X (Zhang, Xin); Tan, PH (Tan, Ping-Heng); Wang, YF (Wang, Yufang)

Source: JOURNAL OF PHYSICAL CHEMISTRY C Volume: 119 Issue: 12 Pages: 6906-6911 DOI: 10.1021/acs.jpcc.5b00608 Published: MAR 26 2015

Accession Number: WOS:000351970800048

Author Identifiers:

Author ResearcherID Number ORCID Number

TAN, Ping-Heng D-1137-2009 0000-0001-6575-1516

Wang, Hui A-2763-2011

ISSN: 1932-7447

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Record 199 of 342

Title: Nanocavity absorption enhancement for two-dimensional material monolayer systems

Author(s): Song, HM (Song, Haomin); Jiang, SH (Jiang, Suhua); Ji, DX (Ji, Dengxin); Zeng, X (Zeng, Xie); Zhang, N (Zhang, Nan); Liu, K (Liu, Kai); Wang, C (Wang, Chu); Xu, Y (Xu, Yun); Gan, QQ (Gan, Qiaoqiang)

Source: OPTICS EXPRESS Volume: 23 Issue: 6 Pages: 7120-7130 DOI: 10.1364/OE.23.007120 Published: MAR 23 2015

Accession Number: WOS:000351765900015

PubMed ID: 25837057

ISSN: 1094-4087

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Record 200 of 342

Title: Multi-pulse time delay integration method for flexible 3D super-resolution range-gated imaging

Author(s): Wang, XW (Wang Xinwei); Li, YF (Li Youfu); Zhou, Y (Zhou Yan)

Source: OPTICS EXPRESS Volume: 23 Issue: 6 Pages: 7820-7831 DOI: 10.1364/OE.23.007820 Published: MAR 23 2015

Accession Number: WOS:000351765900079

ISSN: 1094-4087

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Record 201 of 342

Title: Effect of As pressure-modulated InAlAs superlattice on the morphology of InAs nanostructures grown on InAs/InAlAs/InP

Author(s): Yang, XR (Yang Xin-Rong); Zhou, XJ (Zhou Xiao-Jing); Wang, HF (Wang Hai-Fei); Hao, ML (Hao Mei-Lan); Gu, YG (Gu Yun-Gao); Zhao, SW (Zhao Shang-Wu); Xu, B (Xu Bo); Wang, ZG (Wang Zhan-Guo)

Source: ACTA PHYSICA SINICA Volume: 64 Issue: 6 Article Number: 068101 DOI: 10.7498/aps.64.068101 Published: MAR 20 2015

Accession Number: WOS:000351752600050

ISSN: 1000-3290

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Record 202 of 342

Title: Tunable plasmon-induced transparency in hybrid waveguide-magnetic resonance system

Author(s): Song, JK (Song, Jiakun); Song, YZ (Song, Yuzhi); Li, KW (Li, Kangwen); Zhang, ZY (Zhang, Zuyin); Wei, X (Wei, Xin); Xu, Y (Xu, Yun); Song, GF (Song, Guofeng)

Source: APPLIED OPTICS Volume: 54 Issue: 9 Pages: 2279-2282 DOI: 10.1364/AO.54.002279 Published: MAR 20 2015

Accession Number: WOS:000351638300016

PubMed ID: 25968511

ISSN: 1559-128X

eISSN: 2155-3165

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Record 203 of 342

Title: Polarization-Sensitive Coupling and Transmission Dip Shift in Asymmetric Metamaterials

Author(s): Cao, YP (Cao, Yapeng); Xie, YY (Xie, Yiyang); Geng, ZX (Geng, Zhaoxin); Liu, J (Liu, Jian); Kan, Q (Kan, Qiang); Chen, HD (Chen, Hongda)

Source: JOURNAL OF PHYSICAL CHEMISTRY C Volume: 119 Issue: 11 Pages: 6204-6210 DOI: 10.1021/jp512296t Published: MAR 19 2015

Accession Number: WOS:000351557800049

ISSN: 1932-7447

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Record 204 of 342

Title: Eight-wavelength hybrid Si/AlGaInAs/InP microring laser array

Author(s): Sui, SS (Sui, Shao-Shuai); Tang, MY (Tang, Ming-Ying); Huang, YZ (Huang, Yong-Zhen); Yang, YD (Yang, Yue-De); Xiao, JL (Xiao, Jin-Long); Du, Y (Du, Yun)

Source: ELECTRONICS LETTERS Volume: 51 Issue: 6 Pages: 506-507 DOI: 10.1049/el.2014.4442 Published: MAR 19 2015

Accession Number: WOS:000351271700040

ISSN: 0013-5194

eISSN: 1350-911X

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Record 205 of 342

Title: Ab Initio Study of the Dielectric and Electronic Properties of Multilayer GaS Films

Author(s): Li, Y (Li, Yan); Chen, H (Chen, Hui); Huang, L (Huang, Le); Li, JB (Li, Jingbo)

Source: JOURNAL OF PHYSICAL CHEMISTRY LETTERS Volume: 6 Issue: 6 Pages: 1059-1064 DOI: 10.1021/acs.jpclett.5b00139 Published: MAR 19 2015

Accession Number: WOS:000351563100026

PubMed ID: 26262870

ISSN: 1948-7185

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Record 206 of 342

Title: Molecular Heterojunctions of Oligo(phenylene ethynylene)s with Linear to Cruciform Framework

Author(s): Wei, ZM (Wei, Zhongming); Hansen, T (Hansen, Tim); Santella, M (Santella, Marco); Wang, XT (Wang, Xintai); Parker, CR (Parker, Christian R.); Jiang, XB (Jiang, Xingbin); Li, T (Li, Tao); Glyvradal, M (Glyvradal, Magni); Jennum, K (Jennum, Karsten); Glibstrup, E (Glibstrup, Emil); Bovet, N (Bovet, Nicolas); Wang, XW (Wang, Xiaowei); Hu, WP (Hu, Wenping); Solomon, GC (Solomon, Gemma C.); Nielsen, MB (Nielsen, Mogens Brondsted); Qiu, XH (Qiu, Xiaohui); Bjornholm, T (Bjornholm, Thomas); Norgaard, K (Norgaard, Kasper); Laursen, BW (Laursen, Bo W.)

Source: ADVANCED FUNCTIONAL MATERIALS Volume: 25 Issue: 11 Pages: 1700-1708 DOI: 10.1002/adfm.201404388 Published: MAR 18 2015

Accession Number: WOS:000351214000009

Author Identifiers:

Author ResearcherID Number ORCID Number

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Glibstrup, Emil B-7022-2015 0000-0002-9060-6270

ISSN: 1616-301X

eISSN: 1616-3028

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Record 207 of 342

Title: Giant negative magnetoresistance in Manganese-substituted Zinc Oxide

Author(s): Wang, XL (Wang, X. L.); Shao, Q (Shao, Q.); Zhuravlyova, A (Zhuravlyova, A.); He, M (He, M.); Yi, Y (Yi, Y.); Lortz, R (Lortz, R.); Wang, JN (Wang, J. N.); Ruotolo, A (Ruotolo, A.)

Source: SCIENTIFIC REPORTS Volume: 5 Article Number: 9221 DOI: 10.1038/srep09221 Published: MAR 18 2015

Accession Number: WOS:000351234700004

PubMed ID: 25783664

Author Identifiers:

Author ResearcherID Number ORCID Number

Zhuarvleva, Alina A-7850-2014

Ruotolo, Antonio F-3791-2014 0000-0001-6659-6618

ISSN: 2045-2322

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Record 208 of 342

Title: Reconfigurable non-blocking four-port optical router based on microring resonators

Author(s): Yang, L (Yang, Lin); Jia, H (Jia, Hao); Zhao, YC (Zhao, Yunchou); Chen, QS (Chen, Qiaoshan)

Source: OPTICS LETTERS Volume: 40 Issue: 6 Pages: 1129-1132 DOI: 10.1364/OL.40.001129 Published: MAR 15 2015

Accession Number: WOS:000351056500071

PubMed ID: 25768199

ISSN: 0146-9592

eISSN: 1539-4794

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Title: Metal organic chemical vapor deposition growth and characterization of InAs/GaSb type-II superlattices on GaAs (001) substrates

Author(s): Ning, ZD (Ning, Zhen-Dong); Liu, SM (Liu, Shuman); Ren, F (Ren, Fei); Wang, FJ (Wang, Fengjiao); Wang, LJ (Wang, Lijun); Liu, FQ (Liu, Fengqi); Wang, ZG (Wang, Zhanguo); Zhao, LC (Zhao, Liancheng)

Source: MATERIALS LETTERS Volume: 143 Pages: 223-225 DOI: 10.1016/j.matlet.2014.12.116 Published: MAR 15 2015

Accession Number: WOS:000350520200060

ISSN: 0167-577X

eISSN: 1873-4979

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Record 210 of 342

Title: Screening-induced surface polar optical phonon scattering in dual-gated graphene field effect transistors

Author(s): Hu, B (Hu, Bo)

Source: PHYSICA B-CONDENSED MATTER Volume: 461 Pages: 118-121 DOI: 10.1016/j.physb.2014.12.019 Published: MAR 15 2015

Accession Number: WOS:000350810500018

ISSN: 0921-4526

eISSN: 1873-2135

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Record 211 of 342

Title: A Directional-Emission 1060-nm GaAs/InGaAs Microcylinder Laser

Author(s): Li, MK (Li, Mengke); Zhou, XL (Zhou, Xuliang); Ding, Y (Ding, Ying); Chen, WX (Chen, Weixi); Yu, HY (Yu, Hongyan); Kan, Q (Kan, Qiang); Li, SY (Li, Shiyan); Mi, JP (Mi, Junping); Wang, W (Wang, Wei); Pan, JQ (Pan, Jiaoqing)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 6 Pages: 569-572 DOI: 10.1109/LPT.2014.2384272 Published: MAR 15 2015

Accession Number: WOS:000350349900002

ISSN: 1041-1135

eISSN: 1941-0174

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Record 212 of 342

Title: AlGaN-based deep-ultraviolet light-emitting diodes grown on High-quality AIN template using MOVPE

Author(s): Yan, JC (Yan, Jianchang); Wang, JX (Wang, Junxi); Zhang, Y (Zhang, Yun); Cong, PP (Cong, Peipei); Sun, LL (Sun, Lili); Tian, YD (Tian, Yingdong); Zhao, C (Zhao, Chao); Li, JM (Li, Jinmin)

Source: JOURNAL OF CRYSTAL GROWTH Volume: 414 Pages: 254-257 DOI: 10.1016/j.jcrysgro.2014.10.015 Published: MAR 15 2015

Accession Number: WOS:000349602900047

ISSN: 0022-0248

eISSN: 1873-5002

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Title: A nanometeric temperature sensor based on plasmonic waveguide with an ethanol-sealed rectangular cavity

Author(s): Wu, TS (Wu, Tiesheng); Liu, YM (Liu, Yumin); Yu, ZY (Yu, Zhongyuan); Ye, H (Ye, Han); Peng, YW (Peng, Yiwei); Shu, CG (Shu, Changgan); Yang, CH (Yang, Chuanghua); Zhang, W (Zhang, Wen); He, HF (He, Huifang)

Source: OPTICS COMMUNICATIONS Volume: 339 Pages: 1-6 DOI: 10.1016/j.optcom.2014.11.064 Published: MAR 15 2015

Accession Number: WOS:000348084500001

Author Identifiers:

Author ResearcherID Number ORCID Number

Zhang, Wen E-8809-2014 0000-0003-2911-8355

ISSN: 0030-4018

eISSN: 1873-0310

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Record 214 of 342

Title: Localization effect in green light emitting InGaN/GaN multiple quantum wells with varying well thickness

Author(s): Liu, W (Liu, W.); Zhao, DG (Zhao, D. G.); Jiang, DS (Jiang, D. S.); Chen, P (Chen, P.); Liu, ZS (Liu, Z. S.); Zhu, JJ (Zhu, J. J.); Shi, M (Shi, M.); Zhao, DM (Zhao, D. M.); Li, X (Li, X.); Liu, JP (Liu, J. P.); Zhang, SM (Zhang, S. M.); Wang, H (Wang, H.); Yang, H (Yang, H.)

Source: JOURNAL OF ALLOYS AND COMPOUNDS Volume: 625 Pages: 266-270 DOI: 10.1016/j.jallcom.2014.11.138 Published: MAR 15 2015

Accession Number: WOS:000347408900038

ISSN: 0925-8388

eISSN: 1873-4669

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Record 215 of 342

Title: Designing and optimizing highly efficient grating for high-brightness laser based on spectral beam combining

Author(s): Yang, YY (Yang, Ying-Ying); Zhao, YP (Zhao, Ya-Ping); Wang, LR (Wang, Li-Rong); Zhang, L (Zhang, Ling); Lin, XC (Lin, Xue-Chun)

Source: JOURNAL OF APPLIED PHYSICS Volume: 117 Issue: 10 Article Number: 103108 DOI: 10.1063/1.4914539 Published: MAR 14 2015

Accession Number: WOS:000351442900008

ISSN: 0021-8979

eISSN: 1089-7550

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Record 216 of 342

Title: Metamorphic growth of 1.55 mu m InGaAs/InGaAsP multiple quantum wells laser structures on GaAs substrates

Author(s): Li, XB (Li, Xiaobo); Huang, YQ (Huang, Yongqing); Wang, J (Wang, Jun); Duan, XF (Duan, Xiaofeng); Zhang, RK (Zhang, Ruikang); Li, YH (Li, Yehong); Liu, Z (Liu, Zheng); Wang, Q (Wang, Qi); Zhang, X (Zhang, Xia); Ren, XM (Ren, Xiaomin)

Source: CHINESE OPTICS LETTERS Volume: 13 Issue: 3 Article Number: 031401 DOI: 10.3788/COL201513.031401 Published: MAR 10 2015

Accession Number: WOS:000352227100008

ISSN: 1671-7694

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Record 217 of 342

Title: Strain-mediated electric-field control of exchange bias in a Co90Fe10/BiFeO3/SrRuO3/PMN-PT heterostructure

Author(s): Wu, SZ (Wu, S. Z.); Miao, J (Miao, J.); Xu, XG (Xu, X. G.); Yan, W (Yan, W.); Reeve, R (Reeve, R.); Zhang, XH (Zhang, X. H.); Jiang, Y (Jiang, Y.)

Source: SCIENTIFIC REPORTS Volume: 5 Article Number: 8905 DOI: 10.1038/srep08905 Published: MAR 10 2015

Accession Number: WOS:000351091800009

PubMed ID: 25752272

ISSN: 2045-2322

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Record 218 of 342

Title: Hybrid type-I InAs/GaAs and type-II GaSb/GaAs quantum dot structure with enhanced photoluminescence

Author(s): Ji, HM (Ji, Hai-Ming); Liang, BL (Liang, Baolai); Simmonds, PJ (Simmonds, Paul J.); Juang, BC (Juang, Bor-Chau); Yang, T (Yang, Tao); Young, RJ (Young, Robert J.); Huffaker, DL (Huffaker, Diana L.)

Source: APPLIED PHYSICS LETTERS Volume: 106 Issue: 10 Article Number: 103104 DOI: 10.1063/1.4914895 Published: MAR 9 2015

Accession Number: WOS:000351397600050

Author Identifiers:

Author ResearcherID Number ORCID Number

Simmonds, Paul A-9886-2010 0000-0001-5524-0835

Yang, Tao K-7430-2012

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eISSN: 1077-3118

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Record 219 of 342

Title: Narrow-line self-assembled GaAs quantum dots for plasmonics

Author(s): Zhang, HY (Zhang, Hongyi); Huo, YH (Huo, Yongheng); Lindfors, K (Lindfors, Klas); Chen, YH (Chen, Yonghai); Schmidt, OG (Schmidt, Oliver G.); Rastelli, A (Rastelli, Armando); Lippitz, M (Lippitz, Markus)

Source: APPLIED PHYSICS LETTERS Volume: 106 Issue: 10 Article Number: 101110 DOI: 10.1063/1.4914387 Published: MAR 9 2015

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eISSN: 1077-3118

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Record 220 of 342

Title: Temperature dependent magnetic anisotropy of epitaxial Co2FeAl films grown on GaAs

Author(s): Qiao, S (Qiao, Shuang); Nie, SH (Nie, Shuaihua); Zhao, JH (Zhao, Jianhua); Zhang, XH (Zhang, Xinhui)

Source: JOURNAL OF APPLIED PHYSICS Volume: 117 Issue: 9 Article Number: 093904 DOI: 10.1063/1.4913949 Published: MAR 7 2015

Accession Number: WOS:000351134400010

ISSN: 0021-8979

eISSN: 1089-7550

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Record 221 of 342

Title: Flexible, low-loss and large area metamaterials with high Q value

Author(s): Geng, ZX (Geng, Zhaoxin); Guo, XB (Guo, Xiangbin); Cao, YP (Cao, Yapeng); Yang, YP (Yang, Yuping); Chen, HD (Chen, Hongda)

Source: MICROELECTRONIC ENGINEERING Volume: 135 Pages: 23-27 DOI: 10.1016/j.mee.2015.02.045 Published: MAR 5 2015

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Record 222 of 342

Title: A review on the flexural mode of graphene: lattice dynamics, thermal conduction, thermal expansion, elasticity and nanomechanical resonance

Author(s): Jiang, JW (Jiang, Jin-Wu); Wang, BS (Wang, Bing-Shen); Wang, JS (Wang, Jian-Sheng); Park, HS (Park, Harold S.)

Source: JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 27 Issue: 8 Article Number: 083001 DOI: 10.1088/0953-8984/27/8/083001 Published: MAR 4 2015

Accession Number: WOS:000349605300001

PubMed ID: 25612615

Author Identifiers:

Author ResearcherID Number ORCID Number

Wang, Jian-Sheng A-1758-2012

Park, Harold B-1525-2008 0000-0001-5365-7776

ISSN: 0953-8984

eISSN: 1361-648X

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Record 223 of 342

Title: Origins of low energy-transfer efficiency between patterned GaN quantum well and CdSe quantum dots

Author(s): Xu, XS (Xu, Xingsheng)

Source: APPLIED PHYSICS LETTERS Volume: 106 Issue: 9 Article Number: 091101 DOI: 10.1063/1.4913533 Published: MAR 2 2015

Accession Number: WOS:000351069900001

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eISSN: 1077-3118

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Title: Influence of hydrogen impurities on p-type resistivity in Mg-doped GaN films

Author(s): Yang, J (Yang, Jing); Zhao, DG (Zhao, Degang); Jiang, DS (Jiang, Desheng); Chen, P (Chen, Ping); Zhu, JJ (Zhu, Jianjun); Liu, ZS (Liu, Zongshun); Le, LC (Le, Lingcong); He, XG (He, Xiaoguang); Li, XJ (Li, Xiaojing)

Source: JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A Volume: 33 Issue: 2 Article Number: 021505 DOI: 10.1116/1.4904035 Published: MAR 2015

Accession Number: WOS:000355739500042

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Record 225 of 342

Title: Graphene-based transparent conductive electrodes for GaN-based light emitting diodes: Challenges and countermeasures

Author(s): Wang, LC (Wang, Liancheng); Liu, W (Liu, Wei); Zhang, YY (Zhang, Yiyun); Zhang, ZH (Zhang, Zi-Hui); Tan, ST (Tan, Swee Tiam); Yi, XY (Yi, Xiaoyan); Wang, GH (Wang, Guohong); Sun, XW (Sun, Xiaowei); Zhu, HW (Zhu, Hongwei); Demir, HV (Demir, Hilmi Volkan)

Source: NANO ENERGY Volume: 12 Pages: 419-436 DOI: 10.1016/j.nanoen.2014.12.035 Published: MAR 2015

Accession Number: WOS:000354767500046

Author Identifiers:

Author ResearcherID Number ORCID Number

Zhu, Hongwei B-5240-2009

Zhang, Yiyun G-3828-2013

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eISSN: 2211-3282

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Record 226 of 342

Title: Plasmonic-induced transparency and unidirectional control based on the waveguide structure with quadrant ring resonators

Author(s): Tang, BJ (Tang, Baojie); Wang, JC (Wang, Jicheng); Xia, XS (Xia, Xiushan); Liang, XY (Liang, Xiuye); Song, C (Song, Ci); Qu, SN (Qu, Shinian)

Source: APPLIED PHYSICS EXPRESS Volume: 8 Issue: 3 Article Number: 032202 DOI: 10.7567/APEX.8.032202 Published: MAR 2015

Accession Number: WOS:000352220700011

ISSN: 1882-0778

eISSN: 1882-0786

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Record 227 of 342

Title: Vertically coupled ZnO nanorods on MoS2 monolayers with enhanced Raman and photoluminescence emission

Author(s): Zhang, KN (Zhang, Kenan); Zhang, Y (Zhang, Yun); Zhang, TN (Zhang, Tianning); Dong, WJ (Dong, Wenjing); Wei, TX (Wei, Tiaoxing); Sun, Y (Sun, Yan); Chen, X (Chen, Xin); Shen, GZ (Shen, Guozhen); Dai, N (Dai, Ning)

Source: NANO RESEARCH Volume: 8 Issue: 3 Pages: 743-750 DOI: 10.1007/s12274-014-0557-1 Published: MAR 2015

Accession Number: WOS:000352448800004

Author Identifiers:

Author ResearcherID Number ORCID Number

Shen, Guozhen B-3722-2009 0000-0002-9755-1647

ISSN: 1998-0124

eISSN: 1998-0000

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Record 228 of 342

Title: Self-Induced Uniaxial Strain in MoS2 Mono layers with Local van der Waals-Stacked Inter layer Interactions

Author(s): Zhang, KN (Zhang, Kenan); Hu, SH (Hu, Shuhong); Zhang, Y (Zhang, Yun); Zhang, TN (Zhang, Tianning); Zhou, XH (Zhou, Xiaohao); Sun, Y (Sun, Yan); Li, TX (Li, Tian-Xin); Fan, HJ (Fan, Hong Jin); Shen, GZ (Shen, Guozhen); Chen, X (Chen, Xin); Dai, N (Dai, Ning)

Source: ACS NANO Volume: 9 Issue: 3 Pages: 2704-2710 DOI: 10.1021/acsnano.5b00547 Published: MAR 2015

Accession Number: WOS:000351791800046

PubMed ID: 25716291

Author Identifiers:

Author ResearcherID Number ORCID Number

Zhou, Xiaohao D-5272-2009

Fan, Hongjin A-2662-2010 0000-0003-1237-4555

Shen, Guozhen B-3722-2009 0000-0002-9755-1647

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eISSN: 1936-086X

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Title: Oscillation characteristics in terahertz transmission through a dipole-based metamaterial

Author(s): Luo, J (Luo, Jun); Bie, YH (Bie, Yehua); Zhang, XY (Zhang, Xinyu); Sang, HS (Sang, Hongshi); Ji, A (Ji, An); Xie, CS (Xie, Changsheng)

Source: JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B Volume: 33 Issue: 2 Article Number: 020605 DOI: 10.1116/1.4913954 Published: MAR 2015

Accession Number: WOS:000351751100016

ISSN: 1071-1023

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Record 230 of 342

Title: High performance silicon waveguide germanium photodetector

Author(s): Li, C (Li Chong); Xue, CL (Xue Chun-Lai); Li, YM (Li Ya-Ming); Li, CB (Li Chuan-Bo); Cheng, BW (Cheng Bu-Wen); Wang, QM (Wang Qi-Ming)

Source: CHINESE PHYSICS B Volume: 24 Issue: 3 Article Number: 038502 DOI: 10.1088/1674-1056/24/3/038502 Published: MAR 2015

Accession Number: WOS:000351056400075

ISSN: 1674-1056

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Record 231 of 342

Title: Boron implanted emitter for n-type silicon solar cell

Author(s): Liang, P (Liang Peng); Han, PD (Han Pei-De); Fan, YJ (Fan Yu-Jie); Xing, YP (Xing Yu-Peng)

Source: CHINESE PHYSICS B Volume: 24 Issue: 3 Article Number: 038801 DOI: 10.1088/1674-1056/24/3/038801 Published: MAR 2015

Accession Number: WOS:000351056400079

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Title: Spin transport properties of a Dresselhaus-polygonal quantum ring

Author(s): Tang, HZ (Tang Han-Zhao); Zhai, LX (Zhai Li-Xue); Shen, M (Shen Man); Liu, JJ (Liu Jian-Jun)

Source: CHINESE PHYSICS B Volume: 24 Issue: 3 Article Number: 030303 DOI: 10.1088/1674-1056/24/3/030303 Published: MAR 2015

Accession Number: WOS:000351056400007

ISSN: 1674-1056

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Record 233 of 342

Title: Mode characteristics and vertical radiation loss for AlGaInAs/InP microcylinder lasers

Author(s): Yang, YD (Yang, Yue-De); Xiao, JL (Xiao, Jin-Long); Liu, BW (Liu, Bo-Wen); Huang, YZ (Huang, Yong-Zhen)

Source: JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS Volume: 32 Issue: 3 Pages: 439-444 DOI: 10.1364/JOSAB.32.000439 Published: MAR 2015

Accession Number: WOS:000351134200011

ISSN: 0740-3224

eISSN: 1520-8540

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Record 234 of 342

Title: Tuning the Optical, Magnetic, and Electrical Properties of ReSe2 by Nanoscale Strain Engineering

Author(s): Yang, SX (Yang, Shengxue); Wang, C (Wang, Cong); Sahin, H (Sahin, Hasan); Chen, H (Chen, Hui); Li, Y (Li, Yan); Li, SS (Li, Shu-Shen); Suslu, A (Suslu, Aslihan); Peeters, FM (Peeters, Francois M.); Liu, Q (Liu, Qian); Li, JB (Li, Jingbo); Tongay, S (Tongay, Sefaattin)

Source: NANO LETTERS Volume: 15 Issue: 3 Pages: 1660-1666 DOI: 10.1021/nl504276u Published: MAR 2015

Accession Number: WOS:000351188000033

PubMed ID: 25642738

Author Identifiers:

Author ResearcherID Number ORCID Number

Sahin, Hasan G-4747-2010 0000-0002-6189-6707

ISSN: 1530-6984

eISSN: 1530-6992

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Record 235 of 342

Title: High-Performance In0.23Ga0.77As Channel MOSFETs with High Current Ratio I-on/I-off Grown on Semi-insulating GaAs Substrates by MOCVD

Author(s): Kong, XT (Kong Xiang-Ting); Zhou, XL (Zhou Xu-Liang); Li, SY (Li Shi-Yan); Qiao, LJ (Qiao Li-Jun); Liu, HG (Liu Hong-Gang); Wang, W (Wang Wei); Pan, JQ (Pan Jiao-Qing)

Source: CHINESE PHYSICS LETTERS Volume: 32 Issue: 3 Article Number: 037301 DOI: 10.1088/0256-307X/32/3/037301 Published: MAR 2015

Accession Number: WOS:000350955600029

ISSN: 0256-307X

eISSN: 1741-3540

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Record 236 of 342

Title: Broad area single mode operation of quantum cascade lasers by integrating porous waveguide and distributed feedback grating

Author(s): Hu, YZ (Hu, Yongzheng); Liu, FQ (Liu, Fengqi); Wang, LJ (Wang, Lijun); Zhang, JC (Zhang, Jinchuan); Zhao, LH (Zhao, Lihua); Wang, ZG (Wang, Zhanguo)

Source: OPTICAL AND QUANTUM ELECTRONICS Volume: 47 Issue: 3 Pages: 515-521 DOI: 10.1007/s11082-014-9886-2 Published: MAR 2015

Accession Number: WOS:000350882000005

ISSN: 0306-8919

eISSN: 1572-817X

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Record 237 of 342

Title: Optoelectronic Mixer Based on Graphene FET

Author(s): Mao, XR (Mao, Xurui); Cheng, CT (Cheng, Chantong); Huang, BJ (Huang, Beiju); Zhang, Z (Zhang, Zan); Gan, S (Gan, Sheng); Chen, HM (Chen, Hongmei); Chen, HD (Chen, Hongda)

Source: IEEE ELECTRON DEVICE LETTERS Volume: 36 Issue: 3 Pages: 253-255 DOI: 10.1109/LED.2015.2396038 Published: MAR 2015

Accession Number: WOS:000350336100013

ISSN: 0741-3106

eISSN: 1558-0563

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Record 238 of 342

Title: Triangular Microwave Waveforms Generation Based on an Optoelectronic Oscillator

Author(s): Wang, WY (Wang, Wei Yu); Li, W (Li, Wei); Sun, WH (Sun, Wen Hui); Wang, WT (Wang, Wenting); Liu, JG (Liu, Jian Guo); Zhu, NH (Zhu, Ning Hua)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 5 Pages: 522-525 DOI: 10.1109/LPT.2014.2384494 Published: MAR 1 2015

Accession Number: WOS:000349621100018

ISSN: 1041-1135

eISSN: 1941-0174

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Record 239 of 342

Title: A QEPAS-Based Central Wavelength Stabilized Diode Laser for Gas Sensing

Author(s): Gong, P (Gong, Ping); Xie, L (Xie, Liang); Qi, XQ (Qi, Xiao Qiong); Wang, R (Wang, Rui)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 5 Pages: 545-548 DOI: 10.1109/LPT.2014.2384593 Published: MAR 1 2015

Accession Number: WOS:000349621100024

ISSN: 1041-1135

eISSN: 1941-0174

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Record 240 of 342

Title: Multi-band local microwave signal generation based on an optical frequency comb generator

Author(s): Wang, WT (Wang, Wen Ting); Liu, JG (Liu, Jian Guo); Sun, WH (Sun, Wen Hui); Chen, W (Chen, Wei); Zhu, NH (Zhu, Ning Hua)

Source: OPTICS COMMUNICATIONS Volume: 338 Pages: 90-94 DOI: 10.1016/j.optcom.2014.08.056 Published: MAR 1 2015

Accession Number: WOS:000347743000014

ISSN: 0030-4018

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Record 241 of 342

Title: Chemical trends of stability and band alignment of lattice-matched II-VI/III-V semiconductor interfaces

Author(s): Deng, HX (Deng, Hui-Xiong); Luo, JW (Luo, Jun-Wei); Wei, SH (Wei, Su-Huai)

Source: PHYSICAL REVIEW B Volume: 91 Issue: 7 Article Number: 075315 DOI: 10.1103/PhysRevB.91.075315 Published: FEB 26 2015

Accession Number: WOS:000350207800005

ISSN: 1098-0121

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Title: High-power passively mode-locked Nd:YVO4 laser using SWCNT saturable absorber fabricated by dip coating method

Author(s): Tang, CY (Tang, Chun Yin); Chai, Y (Chai, Yang); Long, H (Long, Hui); Tao, LL (Tao, Lili); Zeng, LH (Zeng, Long Hui); Tsang, YH (Tsang, Yuen Hong); Zhang, L (Zhang, Ling); Lin, XC (Lin, Xuechun)

Source: OPTICS EXPRESS Volume: 23 Issue: 4 Pages: 4880-4886 DOI: 10.1364/OE.23.004880 Published: FEB 23 2015

Accession Number: WOS:000350872700100

PubMed ID: 25836523

ISSN: 1094-4087

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Record 243 of 342

Title: Strong carrier localization effect in carrier dynamics of 585 nm InGaN amber light-emitting diodes

Author(s): Li, PP (Li, Panpan); Li, HJ (Li, Hongjian); Li, Z (Li, Zhi); Kang, JJ (Kang, Junjie); Yi, XY (Yi, Xiaoyan); Li, JM (Li, Jinmin); Wang, GH (Wang, Guohong)

Source: JOURNAL OF APPLIED PHYSICS Volume: 117 Issue: 7 Article Number: 073101 DOI: 10.1063/1.4906960 Published: FEB 21 2015

Accession Number: WOS:000351130900001

ISSN: 0021-8979

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Record 244 of 342

Title: Room-temperature thermoelectric properties of GaN thin films grown by metal organic chemical vapor deposition

Author(s): Wang, BZ (Wang Bao-Zhu); Zhang, XQ (Zhang Xiu-Qing); Zhang, AD (Zhang Ao-Di); Zhou, XR (Zhou Xiao-Ran); Kucukgok, B (Kucukgok, Bahadir); Na, L (Na Lu); Xiao, HL (Xiao Hong-Ling); Wang, XL (Wang Xiao-Liang); Ferguson, IT (Ferguson, Ian T.)

Source: ACTA PHYSICA SINICA Volume: 64 Issue: 4 Article Number: 047202 DOI: 10.7498/aps.64.047202 Published: FEB 20 2015

Accession Number: WOS:000351281500046

ISSN: 1000-3290

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Record 245 of 342

Title: Split Dirac cones in HgTe/CdTe quantum wells due to symmetry-enforced level anticrossing at interfaces

Author(s): Tarasenko, SA (Tarasenko, S. A.); Durnev, MV (Durnev, M. V.); Nestoklon, MO (Nestoklon, M. O.); Ivchenko, EL (Ivchenko, E. L.); Luo, JW (Luo, Jun-Wei); Zunger, A (Zunger, Alex)

Source: PHYSICAL REVIEW B Volume: 91 Issue: 8 Article Number: 081302 DOI: 10.1103/PhysRevB.91.081302 Published: FEB 18 2015

Accession Number: WOS:000350253400002

ISSN: 1098-0121

eISSN: 1550-235X

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Record 246 of 342

Title: A Buried Ridge Stripe Structure InGaAsP-Si Hybrid Laser

Author(s): Yuan, LJ (Yuan, Lijun); Tao, L (Tao, Li); Chen, WX (Chen, Weixi); Li, YP (Li, Yanping); Lu, D (Lu, Dan); Liang, S (Liang, Song); Yu, HY (Yu, Hongyan); Ran, GZ (Ran, Guangzhao); Pan, JQ (Pan, Jiaoqing); Wang, W (Wang, Wei)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 4 Pages: 352-355 DOI: 10.1109/LPT.2014.2372892 Published: FEB 15 2015

Accession Number: WOS:000353900300006

ISSN: 1041-1135

eISSN: 1941-0174

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Record 247 of 342

Title: High-Speed Direct-Modulated Unidirectional Emission Square Microlasers

Author(s): Long, H (Long, Heng); Huang, YZ (Huang, Yong-Zhen); Yang, YD (Yang, Yue-De); Zou, LX (Zou, Ling-Xiu); Xiao, JL (Xiao, Jin-Long); Ma, XW (Ma, Xiu-Wen); Lv, XM (Lv, Xiao-Meng); Liu, BW (Liu, Bo-Wen); Du, Y (Du, Yun)

Source: JOURNAL OF LIGHTWAVE TECHNOLOGY Volume: 33 Issue: 4 Special Issue: SI Pages: 787-794 DOI: 10.1109/JLT.2014.2385104 Published: FEB 15 2015

Accession Number: WOS:000350218100009

ISSN: 0733-8724

eISSN: 1558-2213

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Record 248 of 342

Title: Two-mode de/multiplexer based on multimode interference couplers with a tilted joint as phase shifter

Author(s): Han, LS (Han, Liangshun); Liang, S (Liang, Song); Zhu, HL (Zhu, Hongliang); Qiao, LJ (Qiao, Lijun); Xu, JJ (Xu, Junjie); Wang, W (Wang, Wei)

Source: OPTICS LETTERS Volume: 40 Issue: 4 Pages: 518-521 DOI: 10.1364/OL.40.000518 Published: FEB 15 2015

Accession Number: WOS:000349848400021

PubMed ID: 25680139

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Title: Stable interface structures of heterovalent semiconductor superlattices: The case of (GaSb)(n)(ZnTe)(n)

Author(s): Deng, HX (Deng, Hui-Xiong); Huang, B (Huang, Bing); Wei, SH (Wei, Su-Huai)

Source: COMPUTATIONAL MATERIALS SCIENCE Volume: 98 Pages: 340-344 DOI: 10.1016/j.commatsci.2014.11.008 Published: FEB 15 2015

Accession Number: WOS:000346733000046

ISSN: 0927-0256

eISSN: 1879-0801

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Record 250 of 342

Title: Recyclable three-dimensional Ag nanoparticle-decorated TiO2 nanorod arrays for surface-enhanced Raman scattering

Author(s): Fang, H (Fang, Hui); Zhang, CX (Zhang, Chang Xing); Liu, L (Liu, Luo); Zhao, YM (Zhao, Yong Mei); Xu, HJ (Xu, Hai Jun)

Source: BIOSENSORS & BIOELECTRONICS Volume: 64 Pages: 434-441 DOI: 10.1016/j.bios.2014.09.053 Published: FEB 15 2015

Accession Number: WOS:000345059100063

PubMed ID: 25282397

ISSN: 0956-5663

eISSN: 1873-4235

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Record 251 of 342

Title: Tuning of Fano resonances in terahertz metamaterials

Author(s): Cao, YP (Cao, Y. P.); Wang, YY (Wang, Y. Y.); Geng, ZX (Geng, Z. X.); Liu, J (Liu, J.); Yang, YP (Yang, Y. P.); Chen, HD (Chen, H. D.)

Source: JOURNAL OF APPLIED PHYSICS Volume: 117 Issue: 6 Article Number: 063107 DOI: 10.1063/1.4908137 Published: FEB 14 2015

Accession Number: WOS:000349846300007

ISSN: 0021-8979

eISSN: 1089-7550

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Record 252 of 342

Title: Efficient Real-Time Time-Dependent Density Functional Theory Method and its Application to a Collision of an Ion with a 2D Material

Author(s): Wang, Z (Wang, Zhi); Li, SS (Li, Shu-Shen); Wang, LW (Wang, Lin-Wang)

Source: PHYSICAL REVIEW LETTERS Volume: 114 Issue: 6 Article Number: 063004 DOI: 10.1103/PhysRevLett.114.063004 Published: FEB 13 2015

Accession Number: WOS:000351206500006

PubMed ID: 25723218

ISSN: 0031-9007

eISSN: 1079-7114

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Record 253 of 342

Title: Thermal and high speed modulation characteristics for AlGaInAs/InP microdisk lasers

Author(s): Zou, LX (Zou, Ling-Xiu); Huang, YZ (Huang, Yong-Zhen); Liu, BW (Liu, Bo-Wen); Lv, XM (Lv, Xiao-Meng); Ma, XW (Ma, Xiu-Wen); Yang, YD (Yang, Yue-De); Xiao, JL (Xiao, Jin-Long); Du, Y (Du, Yun)

Source: OPTICS EXPRESS Volume: 23 Issue: 3 Pages: 2879-2888 DOI: 10.1364/OE.23.002879 Published: FEB 9 2015

Accession Number: WOS:000349688800107

PubMed ID: 25836149

ISSN: 1094-4087

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Record 254 of 342

Title: Optical and structural characteristics of high indium content InGaN/GaN multi-quantum wells with varying GaN cap layer thickness

Author(s): Yang, J (Yang, J.); Zhao, DG (Zhao, D. G.); Jiang, DS (Jiang, D. S.); Chen, P (Chen, P.); Zhu, JJ (Zhu, J. J.); Liu, ZS (Liu, Z. S.); Le, LC (Le, L. C.); Li, XJ (Li, X. J.); He, XG (He, X. G.); Liu, JP (Liu, J. P.); Yang, H (Yang, H.); Zhang, YT (Zhang, Y. T.); Du, GT (Du, G. T.)

Source: JOURNAL OF APPLIED PHYSICS Volume: 117 Issue: 5 Article Number: 055709 DOI: 10.1063/1.4907670 Published: FEB 7 2015

Accession Number: WOS:000349613600069

ISSN: 0021-8979

eISSN: 1089-7550

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Record 255 of 342

Title: Topological quantum transitions in a two-band Chern insulator with n=2

Author(s): Song, JT (Song, Juntao); Zhang, YY (Zhang, Yan-Yang); Li, YX (Li, Yuxian); Sun, QF (Sun, Qing-feng)

Source: JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 27 Issue: 4 Article Number: 045601 DOI: 10.1088/095-8984/27/4/045601 Published: FEB 4 2015

Accession Number: WOS:000348493500005

PubMed ID: 25566810

ISSN: 0953-8984

eISSN: 1361-648X

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Record 256 of 342

Title: Quantitative characterization of phase separation in the photoactive layer of polymer solar cells by the phase image of atomic force microscopy

Author(s): Gao, HL (Gao, H. L.); Zhang, XW (Zhang, X. W.); Meng, JH (Meng, J. H.); Yin, ZG (Yin, Z. G.); Zhang, LQ (Zhang, L. Q.); Wu, JL (Wu, J. L.); Liu, X (Liu, X.)

Source: THIN SOLID FILMS Volume: 576 Pages: 81-87 DOI: 10.1016/j.tsf.2015.01.009 Published: FEB 2 2015

Accession Number: WOS:000349373300013

ISSN: 0040-6090

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Record 257 of 342

Title: Germanium-Tin Alloys: Applications in Microelectronics and Photonics

Author(s): Han, G (Han, G.); Liu, M (Liu, M.); Zhang, Q (Zhang, Q.); Liu, Y (Liu, Y.); Yan, J (Yan, J.); Cheng, B (Cheng, B.); Hao, Y (Hao, Y.)

Source: JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS Volume: 10 Issue: 1 Pages: 88-92 DOI: 10.1166/jno.2015.1718 Published: FEB 2015

Accession Number: WOS:000357066200017

ISSN: 1555-130X

eISSN: 1555-1318

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Record 258 of 342

Title: Effect of the thickness of InGaN interlayer on a-plane GaN epilayer

Author(s): Wang, JX (Wang Jian-Xia); Wang, LS (Wang Lian-Shan); Zhang, Q (Zhang Qian); Meng, XY (Meng Xiang-Yue); Yang, SY (Yang Shao-Yan); Zhao, GJ (Zhao Gui-Juan); Li, HJ (Li Hui-Jie); Wei, HY (Wei Hong-Yuan); Wang, ZG (Wang Zhan-Guo)

Source: CHINESE PHYSICS B Volume: 24 Issue: 2 Article Number: 026802 DOI: 10.1088/1674-1056/24/2/026802 Published: FEB 2015

Accession Number: WOS:000350829700059

Author Identifiers:

Author ResearcherID Number ORCID Number

Wang, Lianshan F-2775-2012

ISSN: 1674-1056

eISSN: 1741-4199

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Record 259 of 342

Title: Very low threshold operation of quantum cascade lasers

Author(s): Yan, FL (Yan Fang-Liang); Zhang, JC (Zhang Jin-Chuan); Yao, DY (Yao Dan-Yang); Liu, FQ (Liu Feng-Qi); Wang, LJ (Wang Li-Jun); Liu, JQ (Liu Jun-Qi); Wang, ZG (Wang Zhan-Guo)

Source: CHINESE PHYSICS B Volume: 24 Issue: 2 Article Number: 024212 DOI: 10.1088/1674-1056/24/2/024212 Published: FEB 2015

Accession Number: WOS:000350829700032

ISSN: 1674-1056

eISSN: 1741-4199

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Record 260 of 342

Title: Theoretical study of the optical gain characteristics of a Ge1-xSnx alloy for a short-wave infrared laser

Author(s): Zhang, DL (Zhang Dong-Liang); Cheng, BW (Cheng Bu-Wen); Xue, CL (Xue Chun-Lai); Zhang, X (Zhang Xu); Cong, H (Cong Hui); Liu, Z (Liu Zhi); Zhang, GZ (Zhang Guang-Ze); Wang, QM (Wang Qi-Ming)

Source: CHINESE PHYSICS B Volume: 24 Issue: 2 Article Number: 024211 DOI: 10.1088/1674-1056/24/2/024211 Published: FEB 2015

Accession Number: WOS:000350829700031

ISSN: 1674-1056

eISSN: 1741-4199

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Record 261 of 342

Title: Single-crystalline Ge1-x-ySixSny alloys on Si (100) grown by magnetron sputtering

Author(s): Zheng, J (Zheng, Jun); Wang, SY (Wang, Suyuan); Zhou, TW (Zhou, Tianwei); Zuo, YH (Zuo, Yuhua); Cheng, BW (Cheng, Buwen); Wang, QM (Wang, Qiming)

Source: OPTICAL MATERIALS EXPRESS Volume: 5 Issue: 2 Pages: 287-294 DOI: 10.1364/OME.5.000287 Published: FEB 1 2015

Accession Number: WOS:000350664100009

ISSN: 2159-3930

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Record 262 of 342

Title: Researching the Aluminum Nitride Etching Process for Application in MEMS Resonators

Author(s): Yang, J (Yang, Jian); Si, CW (Si, Chaowei); Han, GW (Han, Guowei); Zhang, M (Zhang, Meng); Ma, LH (Ma, Liuhong); Zhao, YM (Zhao, Yongmei); Ning, J (Ning, Jin)

Source: MICROMACHINES Volume: 6 Issue: 2 Pages: 281-290 DOI: 10.3390/mi6020281 Published: FEB 2015

Accession Number: WOS:000350743100010

ISSN: 2072-666X

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Record 263 of 342

Title: Synthesis and Transport Properties of Large-Scale Alloy Co0.6Mo0.84S2 Bilayer Nano sheets

Author(s): Li, B (Li, Bo); Huang, L (Huang, Le); Zhong, MZ (Zhong, Mianzeng); Huo, NJ (Huo, Nengjie); Li, YT (Li, Yongtao); Yang, SX (Yang, Shengxue); Fan, C (Fan, Chao); Yang, JH (Yang, Juehan); Hu, WP (Hu, Wenping); Wei, ZM (Wei, Zhongming); Li, JB (Li, Jingbo)

Source: ACS NANO Volume: 9 Issue: 2 Pages: 1257-1262 DOI: 10.1021/nn505048y Published: FEB 2015

Accession Number: WOS:000349940500022

PubMed ID: 25584859

ISSN: 1936-0851

eISSN: 1936-086X

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Record 264 of 342

Title: Microwave Photonic Filter With Complex Coefficient Based on Optical Carrier Phase Shift Utilizing Two Stimulated Brillouin Scattering Pumps

Author(s): Wang, WT (Wang, Wen Ting); Liu, JG (Liu, Jian Guo); Mei, HK (Mei, Hai Kuo); Wang, WY (Wang, Wei Yu); Zhu, NH (Zhu, Ning Hua)

Source: IEEE PHOTONICS JOURNAL Volume: 7 Issue: 1 Article Number: 5500208 DOI: 10.1109/JPHOT.2015.2390150 Published: FEB 2015

Accession Number: WOS:000349678100034

ISSN: 1943-0655

eISSN: 1943-0647

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Record 265 of 342

Title: Gold Elliptic Nanocavity Array Biosensor With High Refractive Index Sensitivity Based on Two-Photon Nanolithography

Author(s): Yuan, J (Yuan, Jun); Cao, HZ (Cao, Hong-Zhong); Xie, YY (Xie, Yi-Yang); Geng, ZX (Geng, Zhao-Xin); Kan, Q (Kan, Qiang); Duan, XM (Duan, Xuan-Ming); Chen, HD (Chen, Hong-Da)

Source: IEEE PHOTONICS JOURNAL Volume: 7 Issue: 1 Article Number: 4500108 DOI: 10.1109/JPHOT.2014.2366167 Published: FEB 2015

Accession Number: WOS:000349678100025

Author Identifiers:

Author ResearcherID Number ORCID Number

Duan, Xuan-Ming A-6786-2008

ISSN: 1943-0655

eISSN: 1943-0647

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Record 266 of 342

Title: Generation of Rashba Spin-Orbit Coupling in CdSe Nanowire by Ionic Liquid Gate

Author(s): Zhang, S (Zhang, Shan); Tang, N (Tang, Ning); Jin, WF (Jin, Weifeng); Duan, JX (Duan, Junxi); He, X (He, Xin); Rong, X (Rong, Xin); He, CG (He, Chenguang); Zhang, LS (Zhang, Lisheng); Qin, XD (Qin, Xudong); Dai, L (Dai, Lun); Chen, YH (Chen, Yonghai); Ge, WK (Ge, Weikun); Shen, B (Shen, Bo)

Source: NANO LETTERS Volume: 15 Issue: 2 Pages: 1152-1157 DOI: 10.1021/nl504225c Published: FEB 2015

Accession Number: WOS:000349578000055

PubMed ID: 25574856

ISSN: 1530-6984

eISSN: 1530-6992

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Record 267 of 342

Title: Light-absorption enhancement in thin-film silicon solar cells with front grating and rear-located nanoparticle grating

Author(s): Shi, YP (Shi, Yanpeng); Wang, XD (Wang, Xiaodong); Liu, W (Liu, Wen); Yang, TS (Yang, Tianshu); Yang, FH (Yang, Fuhua)

Source: PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE Volume: 212 Issue: 2 Pages: 312-316 DOI: 10.1002/pssa.201431421 Published: FEB 2015

Accession Number: WOS:000349699400013

ISSN: 1862-6300

eISSN: 1862-6319

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Record 268 of 342

Title: Electrical transport and photoresponse properties of single-crystalline p-type Cd3As2 nanowires

Author(s): Duan, TY (Duan TingYuan); Lou, Z (Lou Zheng); Shen, GZ (Shen GuoZhen)

Source: SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY Volume: 58 Issue: 2 Article Number: 027801 DOI: 10.1007/s11433-014-5629-4 Published: FEB 2015

Accession Number: WOS:000349872700012

Author Identifiers:

Author ResearcherID Number ORCID Number

Shen, Guozhen B-3722-2009 0000-0002-9755-1647

ISSN: 1674-7348

eISSN: 1869-1927

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Record 269 of 342

Title: Structural and Electronic Properties of Zigzag Graphene Nanoribbons on Si(001) Substrates

Author(s): Li, J (Li Jing); Yang, SY (Yang Shen-Yuan); Li, SS (Li Shu-Shen)

Source: CHINESE PHYSICS LETTERS Volume: 32 Issue: 2 Article Number: 027101 DOI: 10.1088/0256-307X/32/2/027101 Published: FEB 2015

Accession Number: WOS:000349419000029

ISSN: 0256-307X

eISSN: 1741-3540

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Record 270 of 342

Title: Selective Area Growth of GaAs in V-Grooved Trenches on Si(001) Substrates by Aspect-Ratio Trapping

Author(s): Li, SY (Li Shi-Yan); Zhou, XL (Zhou Xu-Liang); Kong, XT (Kong Xiang-Ting); Li, MK (Li Meng-Ke); Mi, JP (Mi Jun-Ping); Bian, J (Bian Jing); Wang, W (Wang Wei); Pan, JQ (Pan Jiao-Qing)

Source: CHINESE PHYSICS LETTERS Volume: 32 Issue: 2 Article Number: 028101 DOI: 10.1088/0256-307X/32/2/028101 Published: FEB 2015

Accession Number: WOS:000349419000037

ISSN: 0256-307X

eISSN: 1741-3540

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Record 271 of 342

Title: Development of Surface Grating Distributed Feedback Quantum Cascade Laser for High Output Power and Low Threshold Current Density

Author(s): Liu, YH (Liu Ying-Hui); Zhang, JC (Zhang Jin-Chuan); Jiang, JM (Jiang Jian-Min); Sun, SJ (Sun Su-Juan); Li, PX (Li Pei-Xu); Liu, FQ (Liu Feng-Qi)

Source: CHINESE PHYSICS LETTERS Volume: 32 Issue: 2 Article Number: 024202 DOI: 10.1088/0256-307X/32/2/024202 Published: FEB 2015

Accession Number: WOS:000349419000015

ISSN: 0256-307X

eISSN: 1741-3540

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Record 272 of 342

Title: A novel linear microprobe array for the fabrication of neural microelectrodes

Author(s): Zhao, SS (Zhao ShanShan); Pei, WH (Pei WeiHua); Zhao, H (Zhao Hui); Wang, YJ (Wang YiJun); Chen, SY (Chen SanYuan); Chen, YF (Chen YuanFang); Zhang, H (Zhang He); Guo, DM (Guo DongMei); Gui, Q (Gui Qiang); Chen, HD (Chen HongDa)

Source: SCIENCE CHINA-TECHNOLOGICAL SCIENCES Volume: 58 Issue: 2 Pages: 346-351 DOI: 10.1007/s11431-014-5711-1 Published: FEB 2015

Accession Number: WOS:000349427300017

ISSN: 1674-7321

eISSN: 1869-1900

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Title: Self-assembly of InAs quantum dots on GaAs(001) by molecular beam epitaxy

Author(s): Wu, J (Wu, Ju); Jin, P (Jin, Peng)

Source: FRONTIERS OF PHYSICS Volume: 10 Issue: 1 Pages: 7-58 DOI: 10.1007/s11467-014-0422-4 Published: FEB 2015

Accession Number: WOS:000349000100002

ISSN: 2095-0462

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Record 274 of 342

Title: A novel MEMS actuator with large lateral stroke driven by Lorentz force

Author(s): Lv, XD (Lv, Xingdong); Wei, WW (Wei, Weiwei); Mao, X (Mao, Xu); Yang, JL (Yang, Jinling); Yang, FH (Yang, Fuhua)

Source: JOURNAL OF MICROMECHANICS AND MICROENGINEERING Volume: 25 Issue: 2 Article Number: 025009 DOI: 10.1088/0960-1317/25/2/025009 Published: FEB 2015

Accession Number: WOS:000349106800010

ISSN: 0960-1317

eISSN: 1361-6439

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Title: Mitigation of pores generation at overlapping zone during laser cladding

Author(s): Zhou, CY (Zhou, Chunyang); Zhao, SS (Zhao, Shusen); Wang, YB (Wang, Yibo); Liu, FL (Liu, Falan); Gao, WY (Gao, Wenyan); Lin, XC (Lin, Xuechun)

Source: JOURNAL OF MATERIALS PROCESSING TECHNOLOGY Volume: 216 Pages: 369-374 DOI: 10.1016/j.jmatprotec.2014.09.025 Published: FEB 2015

Accession Number: WOS:000347020800037

ISSN: 0924-0136

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Record 276 of 342

Title: Formation of nanorod InGaN/GaN multiple quantum wells using nikel nano-masks and dry etching for InGaN-based light-emitting diodes

Author(s): Yang, GF (Yang, G. F.); Xie, F (Xie, F.); Tong, YY (Tong, Y. Y.); Chen, P (Chen, P.); Yu, ZG (Yu, Z. G.); Yan, DW (Yan, D. W.); Xue, JJ (Xue, J. J.); Zhu, HX (Zhu, H. X.); Guo, Y (Guo, Y.); Li, GH (Li, G. H.); Gao, SM (Gao, S. M.)

Source: MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING Volume: 30 Pages: 694-706 DOI: 10.1016/j.mssp.2014.08.044 Published: FEB 2015

Accession Number: WOS:000347266900096

ISSN: 1369-8001

eISSN: 1873-4081

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Record 277 of 342

Title: A HIGH-DENSE WDM LIGHT SOURCE BASED ON MIXING-MODULATED FABRY-PEROT LASER DIODES

Author(s): Wu, H (Wu, Hao); Zhu, NH (Zhu, Ninghua); Liu, JG (Liu, Jianguo)

Source: MICROWAVE AND OPTICAL TECHNOLOGY LETTERS Volume: 57 Issue: 2 Pages: 403-406 DOI: 10.1002/mop.28857 Published: FEB 2015

Accession Number: WOS:000346595600033

ISSN: 0895-2477

eISSN: 1098-2760

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Record 278 of 342

Title: Theoretical study of the anisotropic electron scattering by steps in vicinal AlGaN/GaN heterostructures

Author(s): Li, HJ (Li, Huijie); Liu, GP (Liu, Guipeng); Zhao, GJ (Zhao, Guijuan); Wei, HY (Wei, Hongyuan); Wang, LS (Wang, Lianshan); Yang, SY (Yang, Shaoyan); Chen, Z (Chen, Zhen); Wang, ZG (Wang, Zhanguo)

Source: PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES Volume: 66 Pages: 116-119 DOI: 10.1016/j.physe.2014.10.022 Published: FEB 2015

Accession Number: WOS:000346552300017

Author Identifiers:

Author ResearcherID Number ORCID Number

Wang, Lianshan F-2775-2012

ISSN: 1386-9477

eISSN: 1873-1759

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Title: Voltage manipulation of the magnetization reversal in Fein-GaAs/piezoelectric heterostructure

Author(s): Li, YY (Li, Yuanyuan); Luo, WG (Luo, Wengang); Zhu, LJ (Zhu, Lijun); Zhao, JH (Zhao, Jianhua); Wang, KY (Wang, Kaiyou)

Source: JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 375 Pages: 148-152 Published: FEB 1 2015

Accession Number: WOS:000344949800024

ISSN: 0304-8853

eISSN: 1873-4766

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Record 280 of 342

Title: Strong enhancement of photoresponsivity with shrinking the electrodes spacing in few layer GaSe photodetectors

Author(s): Cao, YF (Cao, Yufei); Cai, KM (Cai, Kaiming); Hu, PG (Hu, Pingan); Zhao, LX (Zhao, Lixia); Yan, TF (Yan, Tengfei); Luo, WG (Luo, Wengang); Zhang, XH (Zhang, Xinhui); Wu, XG (Wu, Xiaoguang); Wang, KY (Wang, Kaiyou); Zheng, HZ (Zheng, Houzhi)

Source: Scientific Reports Volume: 5 Article Number: 8130 DOI: 10.1038/srep08130 Published: JAN 30 2015

Accession Number: WOS:000348576300006

PubMed ID: 25632886

ISSN: 2045-2322

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Record 281 of 342

Title: Morphological engineering of self-assembled nanostructures at nanoscale on faceted GaAs nanowires by droplet epitaxy

Author(s): Zha, GW (Zha, Guo-Wei); Zhang, LC (Zhang, Li-Chun); Yu, Y (Yu, Ying); Xu, JX (Xu, Jian-Xing); Wei, SH (Wei, Si-Hang); Shang, XJ (Shang, Xiang-Jun); Ni, HQ (Ni, Hai-Qiao); Niu, ZC (Niu, Zhi-Chuan)

Source: NANOSCALE RESEARCH LETTERS Volume: 10 Pages: 1-6 DOI: 10.1186/s11671-014-0717-y Published: JAN 27 2015

Accession Number: WOS:000349292100001

PubMed ID: 25852309

ISSN: 1556-276X

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Record 282 of 342

Title: Electron transport behaviors through donor-induced quantum dot array in heavily n-doped junctionless nanowire transistors

Author(s): Ma, LH (Ma, Liuhong); Han, WH (Han, Weihua); Wang, H (Wang, Hao); Hong, WT (Hong, Wenting); Lyu, QF (Lyu, Qifeng); Yang, X (Yang, Xiang); Yang, FH (Yang, Fuhua)

Source: JOURNAL OF APPLIED PHYSICS Volume: 117 Issue: 3 Article Number: 034505 DOI: 10.1063/1.4906223 Published: JAN 21 2015

Accession Number: WOS:000348356600026

ISSN: 0021-8979

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Record 283 of 342

Title: Alternating InGaN barriers with GaN barriers for enhancing optical performance in InGaN light-emitting diodes

Author(s): Yang, YJ (Yang, Yujue); Zeng, YP (Zeng, Yiping)

Source: JOURNAL OF APPLIED PHYSICS Volume: 117 Issue: 3 Article Number: 035705 DOI: 10.1063/1.4906218 Published: JAN 21 2015

Accession Number: WOS:000348356600046

ISSN: 0021-8979

eISSN: 1089-7550

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Record 284 of 342

Title: Enhanced performance of tunable external-cavity 1.5 mu m InAs/InP quantum dot lasers using facet coating

Author(s): Gao, F (Gao, Feng); Luo, S (Luo, Shuai); Ji, HM (Ji, Hai-Ming); Yang, XG (Yang, Xiao-Guang); Yang, T (Yang, Tao)

Source: APPLIED OPTICS Volume: 54 Issue: 3 Pages: 472-476 DOI: 10.1364/AO.54.000472 Published: JAN 20 2015

Accession Number: WOS:000348349500017

Author Identifiers:

Author ResearcherID Number ORCID Number

Yang, Tao K-7430-2012

ISSN: 1559-128X

eISSN: 2155-3165

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Record 285 of 342

Title: A GaAs-Based Hybrid Integration of a Tunneling Diode and a 1060-nm Semiconductor Laser

Author(s): Mi, JP (Mi, Junping); Yu, HY (Yu, Hongyan); Wang, HL (Wang, Huolei); Tan, SY (Tan, Shaoyang); Chen, WX (Chen, Weixi); Ding, Y (Ding, Ying); Pan, JQ (Pan, Jiaoqing)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 2 Pages: 169-172 DOI: 10.1109/LPT.2014.2364073 Published: JAN 15 2015

Accession Number: WOS:000349188200015

ISSN: 1041-1135

eISSN: 1941-0174

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Title: Laterally coupled dual-grating distributed feedback lasers for generating mode-beat terahertz signals

Author(s): Hou, LP (Hou, Lianping); Haji, M (Haji, Mohsin); Eddie, I (Eddie, Iain); Zhu, HL (Zhu, Hongliang); Marsh, JH (Marsh, John H.)

Source: OPTICS LETTERS Volume: 40 Issue: 2 Pages: 182-185 DOI: 10.1364/OL.40.000182 Published: JAN 15 2015

Accession Number: WOS:000347939500014

PubMed ID: 25679839

ISSN: 0146-9592

eISSN: 1539-4794

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Record 287 of 342

Title: Cerium induced ferromagnetic exchange interactions in GaN

Author(s): Majid, A (Majid, Abdul); Dar, A (Dar, Amna); Zhu, JJ (Zhu, J. J.)

Source: JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 374 Pages: 676-679 DOI: 10.1016/j.jmmm.2014.09.041 Published: JAN 15 2015

Accession Number: WOS:000344949000106

ISSN: 0304-8853

eISSN: 1873-4766

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Title: High-performance single crystalline UV photodetectors of beta-Ga2O3

Author(s): Zhong, MZ (Zhong, Mianzeng); Wei, ZM (Wei, Zhongming); Meng, XQ (Meng, Xiuqing); Wu, FM (Wu, Fengmin); Li, JB (Li, Jingbo)

Source: JOURNAL OF ALLOYS AND COMPOUNDS Volume: 619 Pages: 572-575 DOI: 10.1016/j.jallcom.2014.09.070 Published: JAN 15 2015

Accession Number: WOS:000344429000085

ISSN: 0925-8388

eISSN: 1873-4669

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Record 289 of 342

Title: Charge oscillations and interaction between potassium adatoms on graphene studied by first-principles calculations

Author(s): Liu, XJ (Liu, Xiaojie); Wang, CZ (Wang, Cai-Zhuang); Lin, HQ (Lin, Hai-Qing); Chang, K (Chang, Kai); Chen, J (Chen, Jian); Ho, KM (Ho, Kai-Ming)

Source: PHYSICAL REVIEW B Volume: 91 Issue: 3 Article Number: 035415 DOI: 10.1103/PhysRevB.91.035415 Published: JAN 13 2015

Accession Number: WOS:000349345600006

ISSN: 1098-0121

eISSN: 1550-235X

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Record 290 of 342

Title: Improving the Field-Effect Performance of Bi2S3 Single Nanowires by an Asymmetric Device Fabrication

Author(s): Lu, FY (Lu, Fangyuan); Li, RX (Li, Renxiong); Li, Y (Li, Yan); Huo, NJ (Huo, Nengjie); Yang, JH (Yang, Juehan); Li, YT (Li, Yongtao); Li, B (Li, Bo); Yang, SX (Yang, Shengxue); Wei, ZM (Wei, Zhongming); Li, JB (Li, Jingbo)

Source: CHEMPHYSCHEM Volume: 16 Issue: 1 Pages: 99-103 DOI: 10.1002/cphc.201402594 Published: JAN 12 2015

Accession Number: WOS:000347239200008

PubMed ID: 25294685

ISSN: 1439-4235

eISSN: 1439-7641

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Record 291 of 342

Title: Lattice Selective Growth of Graphene on Sapphire Substrate

Author(s): Wang, G (Wang, Gang); Zhao, Y (Zhao, Yun); Deng, Y (Deng, Ya); Huang, WB (Huang, Wenbin); Fan, XK (Fan, Xiaokun); Zhang, J (Zhang, Jian); Duan, RF (Duan, Ruifei); Sun, LF (Sun, Lianfeng)

Source: JOURNAL OF PHYSICAL CHEMISTRY C Volume: 119 Issue: 1 Pages: 426-430 DOI: 10.1021/jp5101297 Published: JAN 8 2015

Accession Number: WOS:000347744700046

ISSN: 1932-7447

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Record 292 of 342

Title: Tuning of in-plane optical anisotropy by inserting ultra-thin InAs layer at interfaces in (001)-grown GaAs/AlGaAs quantum wells

Author(s): Yu, JL (Yu, J. L.); Cheng, SY (Cheng, S. Y.); Lai, YF (Lai, Y. F.); Zheng, Q (Zheng, Q.); Chen, YH (Chen, Y. H.); Tang, CG (Tang, C. G.)

Source: JOURNAL OF APPLIED PHYSICS Volume: 117 Issue: 1 Article Number: 015302 DOI: 10.1063/1.4905020 Published: JAN 7 2015

Accession Number: WOS:000347958600057

ISSN: 0021-8979

eISSN: 1089-7550

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Record 293 of 342

Title: Coupling and single-photon purity of a quantum dot-cavity system studied using hydrostatic pressure

Author(s): Zhou, PY (Zhou, P. Y.); Wu, XF (Wu, X. F.); Ding, K (Ding, K.); Dou, XM (Dou, X. M.); Zha, GW (Zha, G. W.); Ni, HQ (Ni, H. Q.); Niu, ZC (Niu, Z. C.); Zhu, HJ (Zhu, H. J.); Jiang, DS (Jiang, D. S.); Zhao, CL (Zhao, C. L.); Sun, BQ (Sun, B. Q.)

Source: JOURNAL OF APPLIED PHYSICS Volume: 117 Issue: 1 Article Number: 014304 DOI: 10.1063/1.4905246 Published: JAN 7 2015

Accession Number: WOS:000347958600032

ISSN: 0021-8979

eISSN: 1089-7550

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Record 294 of 342

Title: Structural, Raman scattering and magnetic characteristics of Er+-implanted GaN thin films

Author(s): Liu, C (Liu, Chao); Gao, XG (Gao, Xingguo); Tao, DY (Tao, Dongyan); Wang, JX (Wang, Junxi); Zeng, YP (Zeng, Yiping)

Source: JOURNAL OF ALLOYS AND COMPOUNDS Volume: 618 Pages: 533-536 DOI: 10.1016/j.jallcom.2014.08.254 Published: JAN 5 2015

Accession Number: WOS:000344208800083

ISSN: 0925-8388

eISSN: 1873-4669

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Record 295 of 342

Title: Plasmonic tunable filter based on trapezoid resonator waveguide

Author(s): Song, C (Song, Ci); Qu, SN (Qu, Shinian); Wang, JC (Wang, Jicheng); Tang, BJ (Tang, Baojie); Xia, XS (Xia, Xiushan); Liang, XY (Liang, Xiuye); Lu, YN (Lu, Yanan)

Source: JOURNAL OF MODERN OPTICS Volume: 62 Issue: 17 Pages: 1400-1404 DOI: 10.1080/09500340.2015.1041432 Published: 2015

Accession Number: WOS:000360503800006

ISSN: 0950-0340

eISSN: 1362-3044

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Record 296 of 342

Title: Highly sensitive and fast phototransistor based on large size CVD-grown SnS2 nanosheets

Author(s): Huang, Y (Huang, Yun); Deng, HX (Deng, Hui-Xiong); Xu, K (Xu, Kai); Wang, ZX (Wang, Zhen-Xing); Wang, QS (Wang, Qi-Sheng); Wang, FM (Wang, Feng-Mei); Wang, F (Wang, Feng); Zhan, XY (Zhan, Xue-Ying); Li, SS (Li, Shu-Shen); Luo, JW (Luo, Jun-Wei); He, J (He, Jun)

Source: NANOSCALE Volume: 7 Issue: 33 Pages: 14093-14099 DOI: 10.1039/c5nr04174k Published: 2015

Accession Number: WOS:000359546900034

PubMed ID: 26243183

ISSN: 2040-3364

eISSN: 2040-3372

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Record 297 of 342

Title: A new type of acetylene gas sensor based on a hollow heterostructure

Author(s): Lin, Y (Lin, Ying); Li, C (Li, Chao); Wei, W (Wei, Wei); Li, YJ (Li, Yujia); Wen, SP (Wen, Shanpeng); Sun, DM (Sun, Dongming); Chen, Y (Chen, Yu); Ruan, SP (Ruan, Shengping)

Source: RSC ADVANCES Volume: 5 Issue: 76 Pages: 61521-61527 DOI: 10.1039/c5ra10327d Published: 2015

Accession Number: WOS:000358353100006

ISSN: 2046-2069

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Record 298 of 342

Title: Ultrahigh photo-responsivity and detectivity in multilayer InSe nanosheets phototransistors with broadband response

Author(s): Feng, W (Feng, Wei); Wu, JB (Wu, Jing-Bin); Li, XL (Li, Xiaoli); Zheng, W (Zheng, Wei); Zhou, X (Zhou, Xin); Xiao, K (Xiao, Kai); Cao, WW (Cao, Wenwu); Yang, B (Yang, Bin); Idrobo, JC (Idrobo, Juan-Carlos); Basile, L (Basile, Leonardo); Tian, WQ (Tian, Weiquan); Tan, PH (Tan, PingHeng); Hu, PA (Hu, PingAn)

Source: JOURNAL OF MATERIALS CHEMISTRY C Volume: 3 Issue: 27 Pages: 7022-7028 DOI: 10.1039/c5tc01208b Published: 2015

Accession Number: WOS:000357416500010

Author Identifiers:

Author ResearcherID Number ORCID Number

TAN, Ping-Heng D-1137-2009 0000-0001-6575-1516

Feng, Wei J-5913-2014

Cao, Wenwu F-6091-2012 0000-0002-2447-1486

ISSN: 2050-7526

eISSN: 2050-7534

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Record 299 of 342

Title: Quantum phase transitions in interfacing two gapped systems of ordinary fermions driven by external strain and atomic adsorption

Author(s): Chen, L (Chen, Li); Chang, K (Chang, Kai); Zheng, XG (Zheng, X. G.); Ji, SH (Ji, S. H.); Wang, DC (Wang, D. C.); Zhao, DP (Zhao, D. P.)

Source: PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 17 Issue: 27 Pages: 18178-18184 DOI: 10.1039/c5cp02618k Published: 2015

Accession Number: WOS:000357809300078

PubMed ID: 26103059

ISSN: 1463-9076

eISSN: 1463-9084

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Record 300 of 342

Title: 3D system-in-package design using stacked silicon submount technology

Author(s): Dong, MZ (Dong, Mingzhi); Santagata, F (Santagata, Fabio); Sokolovskij, R (Sokolovskij, Robert); Wei, J (Wei, Jia); Yuan, C (Yuan, Cadmus); Zhang, GQ (Zhang, Guoqi)

Source: MICROELECTRONICS INTERNATIONAL Volume: 32 Issue: 2 Pages: 63-72 DOI: 10.1108/MI-11-2014-0050 Published: 2015

Accession Number: WOS:000356445400004

ISSN: 1356-5362

eISSN: 1758-812X

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Record 301 of 342

Title: Intrinsic defects in gallium sulfide monolayer: a first-principles study

Author(s): Chen, H (Chen, Hui); Li, Y (Li, Yan); Huang, L (Huang, Le); Li, JB (Li, Jingbo)

Source: RSC ADVANCES Volume: 5 Issue: 63 Pages: 50883-50889 DOI: 10.1039/c5ra08329j Published: 2015

Accession Number: WOS:000356303000030

ISSN: 2046-2069

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Record 302 of 342

Title: Highly efficient and stable planar heterojunction perovskite solar cells via a low temperature solution process

Author(s): Zhang, LQ (Zhang, Liu Qi); Zhang, XW (Zhang, Xing Wang); Yin, ZG (Yin, Zhi Gang); Jiang, Q (Jiang, Qi); Liu, X (Liu, Xin); Meng, JH (Meng, Jun Hua); Zhao, YJ (Zhao, Ya Juan); Wang, HL (Wang, Hao Lin)

Source: JOURNAL OF MATERIALS CHEMISTRY A Volume: 3 Issue: 23 Pages: 12133-12138 DOI: 10.1039/c5ta01898f Published: 2015

Accession Number: WOS:000355736700002

ISSN: 2050-7488

eISSN: 2050-7496

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Record 303 of 342

Title: Fabrication and photoelectric properties of La-doped p-type ZnO nanofibers and crossed p-n homojunctions by electrospinning

Author(s): Zhang, HD (Zhang, H. D.); Yu, M (Yu, M.); Zhang, JC (Zhang, J. C.); Sheng, CH (Sheng, C. H.); Yan, X (Yan, X.); Han, WP (Han, W. P.); Liu, YC (Liu, Y. C.); Chen, S (Chen, S.); Shen, GZ (Shen, G. Z.); Long, YZ (Long, Y. Z.)

Source: NANOSCALE Volume: 7 Issue: 23 Pages: 10513-10518 DOI: 10.1039/c5nr02191j Published: 2015

Accession Number: WOS:000355987300026

PubMed ID: 26008851

ISSN: 2040-3364

eISSN: 2040-3372

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Record 304 of 342

Title: Ternary oxide nanostructured materials for supercapacitors: a review

Author(s): Chen, D (Chen, Di); Wang, QF (Wang, Qiufan); Wang, RM (Wang, Rongming); Shen, GZ (Shen, Guozhen)

Source: JOURNAL OF MATERIALS CHEMISTRY A Volume: 3 Issue: 19 Pages: 10158-10173 DOI: 10.1039/c4ta06923d Published: 2015

Accession Number: WOS:000354204500001

Author Identifiers:

Author ResearcherID Number ORCID Number

Wang, Rongming B-2163-2010 0000-0003-4075-6956

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eISSN: 2050-7496

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Record 305 of 342

Title: Interlayer coupling and optoelectronic properties of ultrathin two-dimensional heterostructures based on graphene, MoS2 and WS2

Author(s): Huo, NJ (Huo, Nengjie); Wei, ZM (Wei, Zhongming); Meng, XQ (Meng, Xiuqing); Kang, J (Kang, Joongoo); Wu, FM (Wu, Fengmin); Li, SS (Li, Shu-Shen); Wei, SH (Wei, Su-Huai); Li, JB (Li, Jingbo)

Source: JOURNAL OF MATERIALS CHEMISTRY C Volume: 3 Issue: 21 Pages: 5467-5473 DOI: 10.1039/c5tc00698h Published: 2015

Accession Number: WOS:000354965900014

ISSN: 2050-7526

eISSN: 2050-7534

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Record 306 of 342

Title: Droplet-in-oil array for picoliter-scale analysis based on sequential inkjet printing

Author(s): Sun, YN (Sun, Yingnan); Chen, XD (Chen, Xiaodong); Zhou, XG (Zhou, Xiaoguang); Zhu, JB (Zhu, Jinbiao); Yu, YD (Yu, Yude)

Source: LAB ON A CHIP Volume: 15 Issue: 11 Pages: 2429-2436 DOI: 10.1039/c5lc00356c Published: 2015

Accession Number: WOS:000354963400010

PubMed ID: 25904463

ISSN: 1473-0197

eISSN: 1473-0189

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Record 307 of 342

Title: Lithium boride sheet and nanotubes: structure and hydrogen storage

Author(s): Zhang, H (Zhang, Hong); Wang, J (Wang, Jing); Tian, ZX (Tian, Zhi-Xue); Liu, Y (Liu, Ying)

Source: PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 17 Issue: 21 Pages: 13821-13828 DOI: 10.1039/c4cp06086e Published: 2015

Accession Number: WOS:000354946200007

PubMed ID: 25800157

ISSN: 1463-9076

eISSN: 1463-9084

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Record 308 of 342

Title: Hybrid silicon nanocone-polymer solar cells based on a transparent top electrode

Author(s): Kou, YL (Kou, Yanlei); Liu, K (Liu, Kong); Wang, ZJ (Wang, Zhijie); Chi, D (Chi, Dan); Lu, SD (Lu, Shudi); Yue, SZ (Yue, Shizhong); Li, YP (Li, Yanpei); Qu, SC (Qu, Shengchun); Wang, ZG (Wang, Zhanguo)

Source: RSC ADVANCES Volume: 5 Issue: 53 Pages: 42341-42345 DOI: 10.1039/c5ra04222d Published: 2015

Accession Number: WOS:000354447800016

ISSN: 2046-2069

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Record 309 of 342

Title: Layer number identification of intrinsic and defective multilayered graphenes up to 100 layers by the Raman mode intensity from substrates

Author(s): Li, XL (Li, Xiao-Li); Qiao, XF (Qiao, Xiao-Fen); Han, WP (Han, Wen-Peng); Lu, Y (Lu, Yan); Tan, QH (Tan, Qing-Hai); Liu, XL (Liu, Xue-Lu); Tan, PH (Tan, Ping-Heng)

Source: NANOSCALE Volume: 7 Issue: 17 Pages: 8135-8141 DOI: 10.1039/c5nr01514f Published: 2015

Accession Number: WOS:000353981700074

PubMed ID: 25875074

Author Identifiers:

Author ResearcherID Number ORCID Number

TAN, Ping-Heng D-1137-2009 0000-0001-6575-1516

ISSN: 2040-3364

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Record 310 of 342

Title: Generating electricity using graphene nanodrums

Author(s): Huang, WB (Huang, Wenbin); Zhao, Y (Zhao, Yun); Wang, GL (Wang, Guanglong); Qiao, ZT (Qiao, Zhongtao); Gao, FQ (Gao, Fengqi); Wang, XW (Wang, Xiaowei); Wang, G (Wang, Gang); Deng, Y (Deng, Ya); Fan, XK (Fan, Xiaokun); Zhang, J (Zhang, Jian); Duan, RF (Duan, Ruifei); Qiu, XH (Qiu, Xiaohui); Sun, LF (Sun, Lianfeng)

Source: RSC ADVANCES Volume: 5 Issue: 43 Pages: 34065-34069 DOI: 10.1039/c5ra00174a Published: 2015

Accession Number: WOS:000353167500045

ISSN: 2046-2069

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Record 311 of 342

Title: Phonon and Raman scattering of two-dimensional transition metal dichalcogenides from monolayer, multilayer to bulk material

Author(s): Zhang, X (Zhang, Xin); Qiao, XF (Qiao, Xiao-Fen); Shi, W (Shi, Wei); Wu, JB (Wu, Jiang-Bin); Jiang, DS (Jiang, De-Sheng); Tan, PH (Tan, Ping-Heng)

Source: CHEMICAL SOCIETY REVIEWS Volume: 44 Issue: 9 Pages: 2757-2785 DOI: 10.1039/c4cs00282b Published: 2015

Accession Number: WOS:000353658000013

PubMed ID: 25679474

Author Identifiers:

Author ResearcherID Number ORCID Number

TAN, Ping-Heng D-1137-2009 0000-0001-6575-1516

ISSN: 0306-0012

eISSN: 1460-4744

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Record 312 of 342

Title: Modal Properties of 2-D Implant-Defined Coherently Coupled Vertical-Cavity Surface-Emitting Laser Array

Author(s): Xun, M (Xun, Meng); Xu, C (Xu, Chen); Xie, YY (Xie, Yiyang); Deng, J (Deng, Jun); Xu, K (Xu, Kun); Chen, HD (Chen, Hongda)

Source: IEEE JOURNAL OF QUANTUM ELECTRONICS Volume: 51 Issue: 1 DOI: 10.1109/JQE.2014.2369433 Published: JAN 2015

Accession Number: WOS:000353267500001

ISSN: 0018-9197

eISSN: 1558-1713

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Record 313 of 342

Title: Recent developments in superhydrophobic graphene and graphene-related materials: from preparation to potential applications

Author(s): Wang, JN (Wang, Jian-Nan); Zhang, YL (Zhang, Yong-Lai); Liu, Y (Liu, Yan); Zheng, WH (Zheng, Wanhua); Lee, LP (Lee, Luke P.); Sun, HB (Sun, Hong-Bo)

Source: NANOSCALE Volume: 7 Issue: 16 Pages: 7101-7114 DOI: 10.1039/c5nr00719d Published: 2015

Accession Number: WOS:000352905700021

PubMed ID: 25829140

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eISSN: 2040-3372

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Record 314 of 342

Title: Low-Dimensional Semiconductor Structures for Optoelectronic Applications

Author(s): Lu, W (Lu, Wei); Chen, H (Chen, Hong); Hu, WD (Hu, Weida); Song, GF (Song, Guofeng); Lei, W (Lei, Wen); Fu, Y (Fu, Ying)

Source: ADVANCES IN CONDENSED MATTER PHYSICS Article Number: 156196 DOI: 10.1155/2015/156196 Published: 2015

Accession Number: WOS:000352353400001

ISSN: 1687-8108

eISSN: 1687-8124

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Record 315 of 342

Title: Grown Low-Temperature Microcrystalline Silicon Thin Film by VHF PECVD for Thin Films Solar Cell

Author(s): Peng, SL (Peng, Shanglong); Wang, DS (Wang, Desheng); Yang, FH (Yang, Fuhua); Wang, ZG (Wang, Zhanguo); Ma, F (Ma, Fei)

Source: JOURNAL OF NANOMATERIALS Article Number: 327596 DOI: 10.1155/2015/327596 Published: 2015

Accession Number: WOS:000352393300001

ISSN: 1687-4110

eISSN: 1687-4129

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Record 316 of 342

Title: End-Close-Pumped Passively Q-Switched Composite Nd:YAG/Cr4+:YAG Laser

Author(s): Li, ML (Li, Menglong); Wang, N (Wang, Nan); Hou, W (Hou, Wei); Guo, WR (Guo, Weirong); Zhao, YP (Zhao, Yaping); Yan, SL (Yan, Shilian); Yu, HJ (Yu, Haijuan); Lin, XC (Lin, Xuechun)

Source: JOURNAL OF RUSSIAN LASER RESEARCH Volume: 36 Issue: 1 Pages: 43-47 DOI: 10.1007/s10946-015-9475-2 Published: JAN 2015

Accession Number: WOS:000352265200005

ISSN: 1071-2836

eISSN: 1573-8760

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Record 317 of 342

Title: Effects of spectral composition, photoperiod and light intensity on the gonadal development of Atlantic salmon Salmo salar in recirculating aquaculture systems (RAS)

Author(s): Qiu, DG (Qiu Denggao); Xu, SH (Xu Shihong); Song, CB (Song Changbin); Chi, L (Chi Liang); Li, X (Li Xian); Sun, GX (Sun Guoxiang); Liu, BL (Liu Baoliang); Liu, Y (Liu Ying)

Source: CHINESE JOURNAL OF OCEANOLOGY AND LIMNOLOGY Volume: 33 Issue: 1 Pages: 45-56 DOI: 10.1007/s00343-015-4011-3 Published: JAN 2015

Accession Number: WOS:000351156200006

ISSN: 0254-4059

eISSN: 1993-5005

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Record 318 of 342

Title: A quartz-enhanced photoacoustic spectroscopy sensor for measurement of water vapor concentration in the air

Author(s): Gong, P (Gong Ping); Xie, L (Xie Liang); Qi, XQ (Qi Xiao-Qiong); Wang, R (Wang Rui); Wang, H (Wang Hui); Chang, MC (Chang Ming-Chao); Yang, HX (Yang Hui-Xia); Sun, F (Sun Fei); Li, GP (Li Guan-Peng)

Source: CHINESE PHYSICS B Volume: 24 Issue: 1 Article Number: 014206 DOI: 10.1088/1674-1056/24/1/014206 Published: JAN 2015

Accession Number: WOS:000350701400029

ISSN: 1674-1056

eISSN: 1741-4199

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Record 319 of 342

Title: Single-crystalline In2S3 nanowire-based flexible visible-light photodetectors with an ultra-high photoresponse

Author(s): Xie, XM (Xie, Xuming); Shen, GZ (Shen, Guozhen)

Source: NANOSCALE Volume: 7 Issue: 11 Pages: 5046-5052 DOI: 10.1039/c5nr00410a Published: 2015

Accession Number: WOS:000351061700027

PubMed ID: 25698073

Author Identifiers:

Author ResearcherID Number ORCID Number

Shen, Guozhen B-3722-2009 0000-0002-9755-1647

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Record 320 of 342

Title: Gas-dependent photoresponse of SnS nanoparticles-based photodetectors

Author(s): Lu, FY (Lu, Fangyuan); Yang, JH (Yang, Juehan); Li, RX (Li, Renxiong); Huo, NJ (Huo, Nengjie); Li, YT (Li, Yongtao); Wei, ZM (Wei, Zhongming); Li, JB (Li, Jingbo)

Source: JOURNAL OF MATERIALS CHEMISTRY C Volume: 3 Issue: 6 Pages: 1397-1402 DOI: 10.1039/c4tc02574a Published: 2015

Accession Number: WOS:000349387700029

ISSN: 2050-7526

eISSN: 2050-7534

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Record 321 of 342

Title: A binder-free Si-based anode for Li-ion batteries

Author(s): Zhang, CQ (Zhang, Chunqian); Yang, F (Yang, Fan); Zhang, DL (Zhang, Dalin); Zhang, X (Zhang, Xu); Xue, CL (Xue, Chunlai); Zuo, YH (Zuo, Yuhua); Li, CB (Li, Chuanbo); Cheng, BW (Cheng, Buwen); Wang, QM (Wang, Qiming)

Source: RSC ADVANCES Volume: 5 Issue: 21 Pages: 15940-15943 DOI: 10.1039/c4ra15159c Published: 2015

Accession Number: WOS:000349524700024

ISSN: 2046-2069

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Record 322 of 342

Title: Synthesizing graphenes directly on SiO2/Si in open environments by a dual flame method

Author(s): Wang, G (Wang Gang); Zhao, Y (Zhao Yun); Deng, Y (Deng Ya); Chen, MJ (Chen Minjiang); Tao, L (Tao Li); Fan, XK (Fan Xiaokun); Huang, WB (Huang Wenbin); Yang, HC (Yang Huaichao); Sun, LF (Sun Lianfeng)

Source: RSC ADVANCES Volume: 5 Issue: 22 Pages: 16691-16695 DOI: 10.1039/c4ra13438a Published: 2015

Accession Number: WOS:000349556700011

ISSN: 2046-2069

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Record 323 of 342

Title: Enhanced efficiency in polymer solar cells via hydrogen plasma treatment of ZnO electron transport layers

Author(s): Gao, HL (Gao, Hong Li); Zhang, XW (Zhang, Xing Wang); Meng, JH (Meng, Jun Hua); Yin, ZG (Yin, Zhi Gang); Zhang, LQ (Zhang, Liu Qi); Wu, JL (Wu, Jin Liang); Liu, X (Liu, Xin)

Source: JOURNAL OF MATERIALS CHEMISTRY A Volume: 3 Issue: 7 Pages: 3719-3725 DOI: 10.1039/c4ta05541a Published: 2015

Accession Number: WOS:000349447200060

ISSN: 2050-7488

eISSN: 2050-7496

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Record 324 of 342

Title: A quantum dot asymmetric self-gated nanowire FET for high sensitive detection

Author(s): Shi, ZC (Shi, Zhangchun); Yang, XH (Yang, Xiaohong); Nie, CL (Nie, Chenglei); Yin, WH (Yin, Weihong); Han, Q (Han, Qin); Ni, HQ (Ni, Haiqiao); Niu, ZC (Niu, Zhichuan)

Source: AIP ADVANCES Volume: 5 Issue: 1 Article Number: 017108 DOI: 10.1063/1.4905787 Published: JAN 2015

Accession Number: WOS:000348994300008

ISSN: 2158-3226

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Record 325 of 342

Title: A Low Dark Current Mesa-Type InGaAs/InAlAs Avalanche Photodiode

Author(s): Li, B (Li, Bin); Lv, QQ (Lv, Qian-Qian); Cui, R (Cui, Rong); Yin, WH (Yin, Wei-Hong); Yang, XH (Yang, Xiao-Hong); Han, Q (Han, Qin)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 1 Pages: 34-37 DOI: 10.1109/LPT.2014.2361202 Published: JAN 1 2015

Accession Number: WOS:000349185600009

ISSN: 1041-1135

eISSN: 1941-0174

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Record 326 of 342

Title: Widely Tunable Narrow-Linewidth Lasers Using Self-Injection DBR Lasers

Author(s): Yu, LQ (Yu, Liqiang); Lu, D (Lu, Dan); Pan, BW (Pan, Biwei); Zhang, LM (Zhang, Limeng); Guo, L (Guo, Lu); Li, ZS (Li, Zhaosong); Zhao, LJ (Zhao, Ling Juan)

Source: IEEE PHOTONICS TECHNOLOGY LETTERS Volume: 27 Issue: 1 Pages: 50-53 DOI: 10.1109/LPT.2014.2361833 Published: JAN 1 2015

Accession Number: WOS:000349185600013

ISSN: 1041-1135

eISSN: 1941-0174

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Record 327 of 342

Title: Utilization of polarization-inverted AlInGaN or relatively thinner AlGaN electron blocking layer in InGaN-based blue-violet laser diodes

Author(s): Le, LC (Le, Lingcong); Zhao, DG (Zhao, Degang); Jiang, DS (Jiang, Desheng); Chen, P (Chen, Ping); Liu, ZS (Liu, Zongshun); Zhu, JJ (Zhu, Jianjun); Yang, J (Yang, Jing); Li, XJ (Li, Xiaojing); He, XG (He, Xiaoguang); Liu, JP (Liu, Jianping); Zhang, SM (Zhang, Shuming); Yang, H (Yang, Hui)

Source: JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B Volume: 33 Issue: 1 Article Number: 011209 DOI: 10.1116/1.4905430 Published: JAN 2015

Accession Number: WOS:000348915500025

ISSN: 1071-1023

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Record 328 of 342

Title: A flexible spiral-type supercapacitor based on ZnCo2O4 nanorod electrodes

Author(s): Wu, H (Wu, Hao); Lou, Z (Lou, Zheng); Yang, H (Yang, Hong); Shen, GZ (Shen, Guozhen)

Source: NANOSCALE Volume: 7 Issue: 5 Pages: 1921-1926 DOI: 10.1039/c4nr06336h Published: 2015

Accession Number: WOS:000348348300047

PubMed ID: 25530208

Author Identifiers:

Author ResearcherID Number ORCID Number

Shen, Guozhen B-3722-2009 0000-0002-9755-1647

ISSN: 2040-3364

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Record 329 of 342

Title: Thermal Analysis of Implant-Defined Vertical Cavity Surface Emitting Laser Array

Author(s): Xun, M (Xun Meng); Xu, C (Xu Chen); Xie, YY (Xie Yi-Yang); Deng, J (Deng Jun); Xu, K (Xu Kun); Chen, HD (Chen Hong-Da)

Source: CHINESE PHYSICS LETTERS Volume: 32 Issue: 1 Article Number: 014209 DOI: 10.1088/0256-307X/32/1/014209 Published: JAN 2015

Accession Number: WOS:000348022800020

ISSN: 0256-307X

eISSN: 1741-3540

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Record 330 of 342

Title: Single-GaSb-nanowire-based room temperature photodetectors with broad spectral response

Author(s): Luo, T (Luo, Tao); Liang, B (Liang, Bo); Liu, Z (Liu, Zhe); Xie, XM (Xie, Xuming); Lou, Z (Lou, Zheng); Shen, GZ (Shen, Guozhen)

Source: SCIENCE BULLETIN Volume: 60 Issue: 1 Pages: 101-108 DOI: 10.1007/s11434-014-0687-6 Published: JAN 2015

Accession Number: WOS:000347924400013

Author Identifiers:

Author ResearcherID Number ORCID Number

Shen, Guozhen B-3722-2009 0000-0002-9755-1647

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Record 331 of 342

Title: A novel MEMS electromagnetic actuator with large displacement

Author(s): Lv, XD (Lv, Xingdong); Wei, WW (Wei, Weiwei); Mao, X (Mao, Xu); Chen, Y (Chen, Yu); Yang, JL (Yang, Jinling); Yang, FH (Yang, Fuhua)

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Title: Effects of strain on the band gap and effective mass in two-dimensional monolayer GaX (X = S, Se, Te)

Author(s): Huang, L (Huang, Le); Chen, ZH (Chen, Zhanghui); Li, JB (Li, Jingbo)

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Title: Flexible electronics based on inorganic nanowires

Author(s): Liu, Z (Liu, Zhe); Xu, J (Xu, Jing); Chen, D (Chen, Di); Shen, GZ (Shen, Guozhen)

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Accession Number: WOS:000346703400010

PubMed ID: 25242346

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Shen, Guozhen B-3722-2009 0000-0002-9755-1647

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Title: Ground-state lasing in high-power InAs/GaAs quantum dots-in-a-well laser using active multimode interference structure

Author(s): Cheng, YB (Cheng, Yuanbing); Wu, J (Wu, Jian); Zhao, LJ (Zhao, Lingjuan); Luo, XS (Luo, Xianshu); Wang, QJ (Wang, Qi Jie)

Source: OPTICS LETTERS Volume: 40 Issue: 1 Pages: 69-72 DOI: 10.1364/OL.40.000069 Published: JAN 1 2015

Accession Number: WOS:000346878300019

PubMed ID: 25531611

Author Identifiers:

Author ResearcherID Number ORCID Number

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Title: Stable single mode operation of quantum cascade lasers by complex-coupled second-order distributed feedback grating

Author(s): Liu, YH (Liu, Yinghui); Zhang, JC (Zhang, Jinchuan); Jia, ZW (Jia, Zhiwei); Yao, DY (Yao, Danyang); Yan, FL (Yan, Fangliang); Liu, FQ (Liu, Fengqi); Wang, LJ (Wang, Lijun); Liu, JQ (Liu, Junqi); Wang, ZG (Wang, Zhanguo)

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Title: Ultra-sensitive humidity sensors based on ZnSb2O4 nanoparticles

Author(s): Zhong, MZ (Zhong, Mianzeng); Wei, ZM (Wei, Zhongming); Meng, XQ (Meng, Xiuqing); Wu, FM (Wu, Fengmin); Li, JB (Li, Jingbo)

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Title: Impurity free vacancy diffusion induced quantum well intermixing based on hafnium dioxide films

Author(s): Lin, T (Lin, Tao); Zhang, HQ (Zhang, Haoqing); Sun, H (Sun, Hang); Yang, C (Yang, Chen); Lin, N (Lin, Nan)

Source: MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING Volume: 29 Pages: 150-154 DOI: 10.1016/j.mssp.2014.01.032 Published: JAN 2015

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Title: Growth and characterization of highly nitrogen doped ZnTe films on GaAs (001) by molecular beam epitaxy

Author(s): Zhang, LN (Zhang, Linen); Liu, C (Liu, Chao); Yang, QM (Yang, Qiumin); Cui, LJ (Cui, Lijie); Zeng, YP (Zeng, Yiping)

Source: MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING Volume: 29 Pages: 351-356 DOI: 10.1016/j.mssp.2014.06.045 Published: JAN 2015

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Title: Green light emitting diode grown on thick strain-reduced GaN template

Author(s): Yang, JK (Yang, Jiankun); Wei, TB (Wei, Tongbo); Hu, Q (Hu, Qiang); Huo, ZQ (Huo, Ziqiang); Sun, BJ (Sun, Baojuan); Duan, RF (Duan, Ruifei); Wang, JX (Wang, Junxi)

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Title: Effect of frequency chirp on supercontinuum generation in silicon waveguides with two zero-dispersion wavelengths

Author(s): Cao, YM (Cao, Yanmei); Zhang, LB (Zhang, Libin); Fei, YH (Fei, Yonghao); Lei, X (Lei, Xun); Chen, SW (Chen, Shaowu)

Source: OPTICS COMMUNICATIONS Volume: 334 Pages: 190-195 DOI: 10.1016/j.optcom.2014.08.043 Published: JAN 1 2015

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Title: Abnormal InGaN growth behavior in indium-desorption regime in metalorganic chemical vapor deposition

Author(s): Zhou, K (Zhou, Kun); Ikeda, M (Ikeda, Masao); Liu, JP (Liu, Jianping); Zhang, SM (Zhang, Shuming); Li, ZC (Li, Zengcheng); Feng, MX (Feng, Meixin); Tian, AQ (Tian, Aiqin); Wen, PY (Wen, Pengyan); Li, DY (Li, Deyao); Zhang, LQ (Zhang, Liqun); Yang, H (Yang, Hui)

Source: JOURNAL OF CRYSTAL GROWTH Volume: 409 Pages: 51-55 DOI: 10.1016/j.jcrysgro.2014.09.049 Published: JAN 1 2015

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Author Identifiers:

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Title: Efficient 1.54-mu m emission through Eu2+ sensitization of Er3+ in thin films of Eu2+/Er3+ codoped barium strontium silicate under broad ultraviolet light excitation

Author(s): Li, LL (Li, Leliang); Zheng, J (Zheng, Jun); Zuo, YH (Zuo, Yuhua); Cheng, BW (Cheng, Buwen); Wang, QM (Wang, Qiming)

Source: JOURNAL OF LUMINESCENCE Volume: 157 Pages: 193-196 DOI: 10.1016/j.jlumin.2014.08.056 Published: JAN 2015

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