

## 2006年被SCI收录的文章目录

1. Selective interaction of large or charge-transfer aromatic molecules with metallic single-wall carbon nanotubes: Critical role of the molecular size and orientation; Lu J, Nagase S, Zhang XW, et al; JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 128, 5114 (2006)
2. Spin-filter effect in magnetite nanowire; Z. M. Liao, Y. D. Li, J. Xu, J. M. Zhang, K. Xia and D. P. Yu; Nano Letters 6,1087 (2006)
3. Beating patterns in the oscillatory magnetoresistance originated from zero-field spin splitting in Al<sub>x</sub>Ga<sub>1-x</sub>N/GaN heterostructures; Tang N, Shen B, Wang MJ, Han K, et al; Applied Physics Letters 88, 172112 (2006)
4. Effective mass of the two-dimensional electron gas and band nonparabolicity in Al<sub>x</sub>Ga<sub>1-x</sub>N/GaN heterostructures; Tang N, Shen B, Wang MJ, Yang ZJ, et al; Applied Physics Letters 88, 172115 (2006)
5. Observation of inversion behaviors induced by polarization effects in GaN/Al<sub>x</sub>Ga<sub>1-x</sub>N/GaN based metal-insulator-semiconductor structures; M.J.Wang, B.Shen, Y.Wang, S.Huang, et al; Applied Physics Letters 88, 242104 (2006)
6. Efficient 1.54 μm light emitting diode with nanometer thick polycrystalline Si anode and organic sandwich structure; Zhao WQ, Ran GZ, Ma GL, et al; APPLIED PHYSICS LETTERS 89, 022109 (2006)
7. Enhanced field emission from ZnO nanorods via thermal annealing in oxygen; Q. Zhao, X. Y. Xu, X. F. Song, X. Z. Zhang, D. P. Yu, C. P. Li and L. Guo; Applied Physics Letters 88, 033102 (2006)
8. Synthesis and room temperature ferromagnetism of FeCo-codoped ZnO nanowires; L. Q. Liu, B. Xiang, X. Z. Zhang, Y. Zhang and D. P. Yu; Applied Physics Letters 88, 063104 (2006)
9. Effects of symmetry of GaN-based two-dimensional photonic crystal with quasicrystal lattices on enhancement of surface light extraction; Z. S. Zhang, B. Zhang, J. Xu, K. Xu, Z. J. Yang, Z. X. Qin, T. J. Yu and D. P. Yu; Applied Physics Letters 88, 171103 (2006)
10. Structural and magnetic properties of Gd<sub>3</sub>N@C<sub>80</sub>; Jing Lu, R. E. Sabirianov, W. N. Mei, Y. Gao, C. G. Duan, X. C. Zeng; J. Phys. Chem. B (Letter) 110, 23637 (2006).
11. Spatiotemporal transformation of a focused femtosecond pulse in the absence of self-focusing; Y Liu, HB Jiang, QH Gong; Opt. Lett. 31, 832 (2006)
12. Ultrafast tunable filter in two-dimensional organic photonic crystal; XY Hu, QH Gong\*, YH Liu, BY Chen, DZ Zhang; Opt. Lett. 31, 371 (2006)
13. All-optical tunable photonic bandgap microcavities with a femtosecond time response; Xiaoyong Hu, Ping Jiang, Hong Yang, Qihuang Gong; Opt. Lett. 31, 2777 (2006)
14. Field-free alignment of molecules at room temperature; N Xu, CY Wu, J Huang, ZF Wu, QQ Liang, H Yang, QH Gong; Opt. Expr. 14 4992 (2006)
15. Dynamic alignment of C<sub>2</sub>H<sub>4</sub> investigated by using two linearly polarized femtosecond laser pulses;

Nan Xu, Chengyin Wu, Ri Ma, , Juan Huang, , Zhifeng Wu, Qingqing Liang, Hong Yang, Qihuang Gong; JOURNAL OF THE AMERICAN SOCIETY FOR MASS SPECTROMETRY 17, 1717 (2006)

16. Structural and electronic properties of fluorinated boron nitride nanotubes; Lai L, Song W, Lu J, et al., JOURNAL OF PHYSICAL CHEMISTRY B 110, 14092 (2006)
17. Evolution of the electronic properties of metallic single-walled carbon nanotubes with the degree of CCl<sub>2</sub> covalent functionalization; Lu J, Wang D, Nagase S, et al., JOURNAL OF PHYSICAL CHEMISTRY B 110, 5655(2006) 吕劲3.386第一, 通讯作者
18. Anisotropic and passivation-dependent quantum confinement effects in germanium nanowires: A comparison with silicon nanowires; Jing MW, Ni M, Song W, et al; JOURNAL OF PHYSICAL CHEMISTRY B 110 18332, (2006)
19. Comment on "Spin splitting in modulation-doped Al<sub>x</sub>Ga<sub>1-x</sub>N/GaN heterostructures"; Tang N, Shen B, Wang MJ, Yang ZJ, Xu K, et al; Physical Review B 73, 037301 (2006)
20. Surface effects on elastic properties of silver nanowires: Contact atomic-force microscopy; G. Y. Jing, H. L. Duan, X. M. Sun, Z. S. Zhang, J. Xu, Y. D. Li, J. X. Wang and D. P. Yu; Physical Review B 73,23 (2006)
21. Dark-state polaritons for quantum memory in a five-level M-type atomic ensemble; PB Li, Y Gu, K Wang, QH Gong; Phys. Rev. A 73, 032343 (2006)
22. Field-induced alignment of oxygen and nitrogen by intense femtosecond laser pulses; Juan Huang , Chengyin Wu, Nan Xu), Qingqing Liang, Zhifeng Wu, Hong Yang, Qihuang Gong; J. Phys. Chem. A 110, 10179 (2006)
23. A possible mechanism of uncatalyzed growth of carbon nanotubes; Y. W. Liu, L. Wang and H. Zhang; Chemical Physics Letters 427, 142 (2006)
24. Defects and growing mechanisms of  $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> nanowires; Q. Han, Y. Y. Xu, Y. Y. Fu, H. Zhagn, R. M. Wang, T. M. Wang, Z. Y. Chen; Chemical Physics Letters 427, 142 (2006)
25. Structural and electronic properties of Gd@C<sub>60</sub>: All-electron relativistic total-energy study; Jing Lu, W.N. Mei, et al; Chemical Physics Letters 425, 82 (2006)
26. Electrical transport and electroluminescence properties of n-ZnO single nanowires; Yang WQ, Huo HB, Dai L, Ma RM, Liu SF, Ran GZ, Shen B, Lin CL, Qin GG; Nanotechnology 17, 4868 (2006)
27. Electrical properties of Cu doped p-ZnTe nanowires; Huo HB, Dai L, Liu C, You LP, Yang WQ, Ma RM, Ran GZ, and Qin GG; Nanotechnology 17, 5912 (2006)
28. Annealing effects on the field emission properties of AlN nanorods; Q. Zhao, S. Q. Feng, Y. W. Zhu, X. Y. Xu, X. Z. Zhang, X. F. Song, J. Xu, L. Chen and D. P. Yu; Nanotechnology 17, 351 (2006)
29. Highly transparent cathodes comprised of rare earth and Au stacked layers for top-emission organic light emitting diodes; Ran GZ, Zhao WQ, Dai L, et al; JOURNAL OF APPLIED PHYSICS 100, 113107 (2006)
30. Influence of polarization-induced electric field on the wavelength and the absorption coefficient of the intersubband transitions in Al<sub>x</sub>Ga<sub>1-x</sub>N/GaN double quantum wells; Lei SY, Shen B, Cao L, Xu FJ, Yang ZJ, et al); Journal of Applied Physics 99, 074501 (2006)
31. Origin of split peaks in the oscillatory magnetoresistance in Al<sub>x</sub>Ga<sub>1-x</sub>N/GaN heterostructures; Tang N, Shen B, Han K, et al; Journal of Applied Physics 100, 073704 (2006)
32. Local dielectric resonance and collective response of randomly ordered metallic cells in composites LJ Wang, Y Gu, B Dai, QH Gong; J. Phys.-Cond. Mater. 18, 4515 (2006)
33. Catalyst-Free Synthesis of Well-Aligned ZnO Nanowires on In 0.2Ga0.8N, GaN, and

- Al0.25Ga0.75N Substrates; Yang WQ, Dai L, You LP, Zhang BR, Shen B, Qin GG; J. Nanosci. Nanotechnol 6, 3780 (2006).
- 34. Synthesis and Optical Properties of ZnTe Single-Crystalline Nanowires; Huo HB, Dai L, Xia DY, Ran GZ, You LP, Zhang BR, Qin GG; J. Nanosci. Nanotechnol 6, 1182 (2006)
  - 35. Orange and red emitting OLEDs based on phenothiazine polymers; Bo Qu, Zhijiang Chen, Yingliang Liu, Huayu Cao, Shengang Xu, Shaokui Cao, Lan ZH, Wang ZY, Gong QH; J.Phys. D 39, 2680 (2006)
  - 36. Dynamic alignment of O-2 investigated by using two linearly polarized femtosecond laser pulses; CY Wu, J Huang, N Xu, R Ma, H Yang, HB Jiang, QH Gong; J. Phys. B 39 1035 (2006)
  - 37. Coherent population trapping and electromagnetically induced transparency in a five-level M-type atom; Y Gu, LJ Wang, K Wang, C Ynag, QH Gong; J. Phys. B 39 463 (2006)
  - 38. Effect of long anneals on the densities of threading dislocations in GaN films grown by metal-organic chemical vapor deposition; Z.T.Chen, K.Xu, L.P.Guo, Z.J.Yang; Y.Y.Su; X.L.Yang; Y.B.Pan; B.Shen, H.Zhang; G.Y.Zhang; Journal of crystal growth 294, 156 (2006)
  - 39. Reduction of threading edge dislocation density in n-type GaN by Si delta-doping; Y. B. Pan, Z. J. Yang, Z. T. Chen, Y. Lu, T. J. Yu, X. D. Hu, K. Xu and G. Y. Zhang; Journal of Crystal Growth 286, 255 (2006)
  - 40. Photoionization of H atoms in few-cycle laser pulses; XM Zhang, JT Zhang, RX Li, QH Gong, ZZ Xu; Euro. Phys. J. D 37 (2006)
  - 41. Encrypted holographic memory using an encoded reference wave; Yichao Zhu, Jiasen Zhang, Qihuang Gong; Appl. Opt. 45 8748 (2006)
  - 42. Low-temperature specific heat of double wall carbon nanotubes; B.Xiang ,C.B.Tsai, C.J.Lee, D.P.Yu, Y.Y.Chen; Solid State Communications 138, 516 (2006)
  - 43. Experimental study of the organic light emitting diode with a p-type silicon anode; Ma GL, Xu AG, Ran GZ, et al; THIN SOLID FILMS 496, 665 (2006)
  - 44. Broadband optical limiting performance of polymer-wrapped carbon nanotubes in the orange-NIR region; Leyun Zang, Chunling Liu, Quanshui Li, Zhenwei Wang, Zhengang Liu, Qihuang Gong; Opt. Commun. 265, 354 (2006)
  - 45. Influence of the probe-sample interaction on scanning near-field optical microscopic images in the far field; Zhi Li, Jiasen Zhang, Jing Yang, Qihuang Gong; Chin. Phys. 15, 2558 (2006)
  - 46. Femtosecond third-order optical nonlinearity of the GeS<sub>2</sub>-Ga<sub>2</sub>S<sub>3</sub>-CdI<sub>2</sub> new chalcohalide glasses; Haizheng Tao, Guoping Dong, Yanbo Zhai, Haitao Guo, Xiujuan Zhao, Zhenwei Wang, Saisai Chu, Shufeng Wang, Qihuang Gong; Sol. Stat. Commun. 38 485, (2006)
  - 47. Enhancement of light-emitting efficiency of OLED by the electromagnetic-wave tunneling; Zheng Liu, Qihuang Gong; Phys. Lett. A 359 733 (2006)
  - 48. Thick polycrystalline MgB<sub>2</sub> film on Cu substrate by hybrid physical-chemical vapour deposition; Fen Li, Tao Guo, Kaicheng Zhang, Li-ping Chen, Chinpings Chen,Qing-rong Feng; Supercond. Sci. Technol 19, 1196 (2006)
  - 49. Properties of MgB<sub>2</sub> thick film on silicon carbide substrate; Fen Li, Tao Guo, Kaicheng Zhang, Li-ping Chen, Chinpings Chen,Qing-rong Feng; Supercond. Sci. Technol 19, 1073 (2006)
  - 50. Light extraction efficiency of a top-emission organic light-emitting diode with an Yb/Au double-layer cathode and an opaque Si anode; Ran GZ, Ma GL, Xu YH, et al; APPLIED OPTICS 45; 5871 (2006)
  - 51. Influence of focusing depth on the microfabrication of waveguides inside silica glass by femtosecond laser direct writing; DY Liu, Y Li, R An, YP Dou, H. Yang, QH Gong; Appl. Phys.

52. Water-assisted drilling of microfluidic chambers inside silica glass with femtosecond laser pulses; R An, Y Li, YP Dou, DY Liu, H Yang, QH Gong; *Appl. Phys. A* 83, 27 (2006)
53. Magnetism and luminescence evolution due to nitrogen doping in manganese-gallium oxide nanowires; Y. P. Song, P. W. Wang, X. H. Zhang, J. Xu, G. H. Li and D. P. Yu; *Physics Letters A* 351, 302 (2006)
54. Frohlich electron-interface and - propagating optical phonon interactions in a wurtzite multi-shell cylindrical heterostructure; Li Zhang, Jun-jie Shi; *Solid State Commun.* 138, 47 (2006).
55. Donor bound excitons in wurtzite InGaN quantum dots: Effects of built-in electric fields; Jun- jie Shi, T. L. Tansley; *Solid State Commun.* 138, 26(2006).
56. Interface and propagating optical phonon mixing modes in a wurtzite GaN-based quantum dot; Li Zhang, Jun-jie Shi, Hong-jing Xie; *Solid State Commun* 140, 549 (2006)
57. Nanoscale study of cyclic deformation behaviour and mechanism of annealing twin; J. Ma; *Materials Science and Engineering a-Structural Materials Properties Microstructure and Processing* 427, 282 (2006)
58. Novel transparent Yb-based cathodes for top-emitting organic light emitting devices with high performance; Ma GL, Ran GZ, Xu AG, et al; *APPLIED SURFACE SCIENCE* 252, 3580 (2006)
59. Temperature dependent diffusion and epitaxial behavior of oxidized Au/Ni/p-GaN ohmic contact; C. Y. Hu, Z. X. Qin, Z. X. Feng, Z. Z. Chen, Z. B. Ding, Z. J. Yang, T. J. Yu, X. D. Hu, S. D. Yao and G. Y. Zhang; *Materials Science and Engineering B-Solid State Materials for Advanced Technology* 128, 37 (2006)
60. 1.54 mu m Er<sup>3+</sup> electroluminescence from an erbium-compound-doped organic light emitting diode with a p-type silicon anode; Zhao WQ, Wang PF, Ran GZ, et al; *JOURNAL OF PHYSICS D-APPLIED PHYSICS* 39, 2711 (2006)
61. Conservation of the temporal shape of the space integrated power of femtosecond pulses during nonlinear propagation; Y Liu, HB Jiang, QH Gong; *J. Opt. A* 8, 225 (2006)
62. Hole-injection mechanisms of organic light emitting diodes with Si anodes; Ma GL, Ran GZ, Zhao WQ, et al; *SEMICONDUCTOR SCIENCE AND TECHNOLOGY* 21, 740 (2006)
63. Influence of the Pt barrier on Ti/Al/Pt/Au ohmic contacts to n-GaN studied by Rutherford backscattering spectrometry and x-ray diffraction; C. Y. Hu, Z. B. Ding, Z. X. Qin, Z. Z. Chen, Y. J. Wang, Z. J. Yang, X. D. Hu, T. J. Yu, L. S. Yu, S. D. Yao and G. Y. Zhang; *Semiconductor Science and Technology* 21, 938 (2006)
64. Oscillating Spectra of Polar IO and SO Phonons and Electron- IO and SO Phonon Couplings in a Freestanding Wurtzite Quantum Wire; L. Zhang, Jun-jie Shi; *Phys. Status Solidi B* 243, 775 (2006)
65. Green light-emitting organic material with narrow FWHM and high electroluminescence; B Qu, ZJ Chen, F Xu, HY Cao, MM Huang, QH Gong; *Mater. Lett.* 60, 1927 (2006)
66. Electrical transport of individual multi-wall carbon nanotubes; B. Xiang, Y. Zhang, T. H. Wang, J. Xu and D. P. Yu; *Materials Letters* 60, 754 (2006)
67. Lengthening the lifetime of long plasma channel in air generated by femtosecond laser pulse; X Chen, HB Jiang, QH Gong; *Chin. Phys. Lett.* 23 1482 (2006)
68. Duration-dependent asymmetry in photoionization of H atoms in few-cycle laser pulses; Xiaoming Zhang, Jingtao Zhang, Lihua Bai, Qihuang Gong, Zhizhan Xu; *Chin. Phys. Lett.* 23 3249 (2006)
69. A scaling law of photoionization in ultrashort pulses; Xiaoming Zhang, Jingtao Zhang, Lihua Bai, Qihuang Gong, Zhizhan Xu; *Chin. Phys. Lett.* 23 1803 (2006)

70. The carrier-envelope phase of focused few-cycle laser pulses; YH Zhou, HB Jiang, QH Gong; Chin. Phys. Lett. 23, 110 (2006)
71. All-optical photorefractive effect in carbazole-based azo-side group polymer Maomao Huang, Zhijian Chen, Jun Shi, Shaokui Cao, Qihuang Gong; Chin. Phys. Lett. 23, 2468 (2006)
72. Fabrication of two-dimensional organic photonic crystal microcavity; Ping Jiang, Xiaoyong Hu, Hong Yang, Qihuang Gong; Chin. Phys. Lett. 23, 1813 (2006)
73. Relaxation of dense electron plasma induced by femtosecond laser in dielectric materials; Q Sun, HB Jiang, QH Gong; Chin. Phys. Lett. 23, 189 (2006)
74. Interband Optical Transitions Due to Donor Bound Excitons in Wurtzite InGaN Strained Coupled Quantum Dots: Strong Built-in Electric Field Effects; Chi Yue-meng, Shi Jun-jie; Chin. Phys. Lett. 23, 2206 (2006)
75. Enlargement of Photonic Band Gaps and Physical Picture of Photonic Band Structures; Yan Zhang, Jun-jie Shi; Chin. Phys. Lett. 23, 639 (2006)
76. Anticrossing Gap between Pairs of the Subbands in Al<sub>x</sub>Ga<sub>1-x</sub>N/GaN Double Quantum Wells; LEI Shuang-Ying, SHEN Bo ZHANG Guo; Chinese Physics Letters 23, 450 (2006)
77. Influence of Polarization-Induced Electric Field on Subband Structure in Al<sub>x</sub>Ga<sub>1-x</sub>N/GaN Double Quantum Wells; LEI Shuang-Ying, SHEN Bo ZHANG Guo-Yi; Chinese Physics Letters 23, 1574 (2006)
78. Synthesis and PL properties of ZnSe Nanowires with Zincblende and Wurtzite Structures; Xia DY, Dai L, Xu WJ, You LP, Zhang BR, Ran GZ, Qin GG; Chin. Phys. Lett. 23, 1317 (2006)
79. Relation of structure and superconductivity in self-compensating Y<sub>1-x</sub>CaxBa<sub>2-x</sub>LaxCu<sub>3</sub>O<sub>y</sub>; X. F. Sun, J. Yu, F. Wang and H. Zhang; Chinese Physics Letters 23, 2221(2006)
80. Reconsideration of orth I and orth II phases in Ln-system superconductors; Y. W. Liu, L. Wang and H. Zhang; Chinese Physics Letters 23, 453 (2006)
81. Mosaic structure evolution in GaN films with annealing time grown by metalorganic chemical vapour deposition; Z. T. Chen, K. Xu, L. P. Guo, Z. J. Yang, Y. B. Pan, Y. Y. Su, H. Zhang, B. Shen and G. Y. Zhang; Chinese Physics Letters 23, 1257 (2006)
82. Room-temperature ferromagnetism of Ga<sub>1-x</sub>MnxN grown by low-pressure metalorganic chemical vapour deposition; Z. T. Chen, Y. Y. Su, Z. J. Yang, Y. Zhang, B. Zhang, L. P. Guo, K. Xu, Y. B. Pan, H. Zhang and G. Y. Zhang; Chinese Physics Letters 23, 1286 (2006)
83. Laser Irradiation Enhancement on the Ultrafast Third-order Optical Nonlinearity of Chalcogenide Glass Hong Xiang, Shufeng Wang, Zhenwei Wang, Zhi Li, Hong Yang, Qihuang Gong\*, Xuefeng Wang, Xiujuan Zhao, Shaoxuan Gu; Opt. Mater. 28, 1020 (2006)
84. White organic light-emitting diodes based on improved polyfluorene derivative; Yang Cong, Zhijiang Chen, Fusan Li, Qihuang Gong; Opt. Matr. 28 1084 (2006)
85. Role of the dielectric capping layer in enhancement of light outcoupling for semitransparent metal-cathode organic light-emitting devices; Ran GZ, Zhao WQ, Ma GL, et al; JOURNAL OF OPTICS A-PURE AND APPLIED OPTICS 8, 733 (2006)
86. Polar vibration spectra of interface and surface optical phonons and their Frohlich electron-phonon interactions in freestanding symmetrical and asymmetrical wurtzite GaN/Ga<sub>1-x</sub>Al<sub>x</sub>N multi-layer heterostructures; Li Zhang , Jun-jie Shi; International J. Modern Phys. B 20, 559 (2006)
87. Effects of resistivity of a p-Si chip on the light-emitting efficiency of a top-emission organic light-emitting diode with the p-Si chip as the anode; Xu AG, Ran GZ, Wu ZL, et al; PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE 203, 428 (2006)

88. Resonant emission in four-wave mixing for a cycling transition F-g=1 <-> F-e=0; QQ Sun, Y Gu, QH Gong; J. Modern Opt. 53, 1663 (2006)
89. Impossibility of superconductivity in C-60 monolayers; J. W. Wu; Physica C-Superconductivity and Its Applications 439,101 (2006)
90. Multistable features of boronized interstitial-pentamers on Si(113) surfaces; Z. H. Zhang, Z. H. Liu, K. Sumitomo,X. Zhu; Surface and Interface Analysis 38,1078 (2006)
91. Magnetism and photoluminescence in manganese-gallium oxide nanowires with monoclinic and spinel structures; Y. P. Song, P. W. Wang, X. Y. Xu, Z. Wang, G. H. Li and D. P. Yu; Physica E-Low-Dimensional Systems & Nanostructures 31, 67 (2006)
92. Impurity bound polaron in wurtzite GaN/AlN quantum wells: The interface optical-phonon and the built-in electric field effects; Dong Liu, Jun-jie Shi K.S.A. Butcher; Superlatt. Microstruct. 40, 180 (2006)
93. Self-absorption effect in the spatial resolved spectra of CdS nano-ribbon optical waveguide observed by near-field spectroscopy; D. Liu, A. L. Pan, G. Z. Xu, Y. Q. Bai, X. Zhu and B. S. Zou; Optical Review 13, 235(2006)
94. preparation, characterization and nonlinear optical properties of colloidal gallium arsenide nanocrystals; Zhengang Liu, Chunling Liu, Quanshui Li, Zhijian Chen, Qihuang Gong; RARE METALS 25, 118 (2006)
95. Dispersion and Separation of Small Single-Walled Carbon Nanotubes; Yutaka Maeda, Makoto Kanda, Masahiro Hashimoto, Tadashi Hasegawa, Shin-ichi Kimura, Yongfu Lian,Takatsugu Wakahara, Takeshi Akasaka, Said Kazaoui,Nobutsugu Minami, Toshiya Okazaki,Yuhei Hayamizu, Kenji Hata, Jing Lu,Shigeru Nagase; Journal of the American Chemical Society, 128, 12239
96. Preparation of Single-Walled Carbon Nanotube-Organosilicon Hybrids and Their Enhanced Field Emission Properties; Yutaka Maeda, Yoshinori Sato, Masahiro Kako,Takatsugu Wakahara,Takeshi Akasaka, Jing Lu,Shigeru Nagase, Yumiko Kobori,Tadashi Hasegawa, Kenichi Motomiya,Kazuyuki Tohji, Atsuo Kasuya, Dan Wang,Dapeng Yu, Zhengxiang Gao, Rushan Han, Hengqiang Ye; Chem. Material, 18, 4205 (2006)
97. Temperature-dependent strain relaxation of the AlGaN barrier in AlGaN/GaN heterostructures with and without Si<sub>3</sub>N<sub>4</sub> surface passivation; Chen DJ, Zhang KX, Tao YQ, Wu XS, Xu J, Zhang R, Zheng YD, Shen B; Applied Physics Letters 88, 102106 (2006)
98. Improved transport properties of the two-dimensional electron gasin AlGaN/GaN heterostructures by AlN surface passivation laye; Chen DJ, Y. Q. Tao, C. Chen, R. Zhang, Y. D. Zheng M. J. Wang B. Shen; Applied Physics Letters 89, 252104 (2006)
99. Synthesis of high quality n-type CdS nanobelts and their applications in nanodevices; Ma RM, Dai L, Huo HB, Yang WQ, Qin GG, Tan PH, Huang CH, Zheng J; Appl. Phys. Lett. 89, 203120 (2006)
100. Polar oscillation and dispersion properties of quasi-confined optical phonon modes in a wurtzite GaN/Al<sub>x</sub>Ga<sub>1-x</sub>N nanowire; Li Zhang, Jun-jie Shi, Appl. Surface Sci. 252, 7815 (2006)
101. High-temperature transport properties of 2DEG in AlGaN/GaN heterostructures; Tao YQ, Chen DJ, Kong YC, Shen B, et al; Journal of Electronic Materials, 35 722 (2006)
102. High-temperature characteristics of strain in AlGaN/GaN heterostructures; Chen DJ, Shen B, Zhang KX, Tao YQ, et al; Japanese Journal of Applied Physics 45, 18 (2006)
103. Conjugated polymers containing phenothiazine moieties in the main chain; Yingliang Liu, Jianghui Li, Huayu Cao, Bo Qu, Zhijian Chen, Qihuang Gong, Shengang Xu, Shaokui Cao; POLYMERS FOR ADVANCED TECHNOLOGIES 17, 468 (2006)

104. Ultrafast nonresonant third-order optical nonlinearity of the 0.64GeS<sub>2</sub>-0.16Ga<sub>2</sub>S<sub>3</sub>-0.2CsCl chalcohalide glass; H.Z.Tao, C.G.Lin, H.Y.Xiao, Z.W.Wang, S.S.Chu, S.F.Wang, X.J.Zhao, Q.H.Gong; J Mater Sci 41, 6481 (2006)
105. Propagating Optical Phonon Modes and Their Electron-phonon Interaction Hamiltonians in Asymmetric Wurtzite Nitride Semiconductor Quantum Wells; Li Zhang, Jun-jie Shi; Commun. Theor. Phys. 45, 935 (2006)
106. Al<sub>0.22</sub>Ga<sub>0.78</sub>N/GaN二维电子气中的弱局域和反弱局域效应; 朱博, 桂永胜, 周文政, 商丽燕, 郭少令, 褚君浩, 吕捷, 唐宁, 沈波, 张福甲; 物理学报55, 2498 (2006)
107. 表面钝化前后Al<sub>0.22</sub>Ga<sub>0.78</sub>N/GaN异质结势垒层应变的高温特性; 张开骁, 陈敦军, 沈波, 陶亚奇, 吴小山, 徐金, 张荣, 郑有斗; 物理学报55, 1402 (2006)