



2002年论文目录

被SCI收录的文章目录

1. Experimental and numerical studies of noise-induced coherent patterns in a subexcitable system; L.Q.Zhou, X.Jia, Q.Ouyang; PHYS. REV. LETT. 88, 13 (2002).....1
2. Room-temperature 1.54- μ m electroluminescence from the Au/nanometer (SiO₂:Er/Si/SiO₂:Er)/n+-Si structure; Y.Chen, G.Z.Ran, L.Dai, B.R.Zhang, G.G.Qing, Z.C.Ma, W.H.Zong; Applied Physics Letters 80,14 (2002).....5
3. Influence of different types of threading dislocations on the carrier mobility and photoluminescence in epitaxial GaN; J.Y.Shi, L.P.Yu, Y.Z.Wang, G.Y.Zhang, H.Zhang; Appl. Phys. Lett. 80, 13 (2002).....8
4. Multiple Focus And Long filament of Focused Femtosecond Pulse Propagation in Fused Silica; Z.X.Wu, H.B.Jiang, L.Luo, H.C.Guo, H.Yang, Q.H.Gong; Opt. Lett. 27, 6 (2002).....11
5. Femtosecond Time-Resolved Excited State Dynamics of Cyanine Encapsulated by β -cyclodextrin; W.T.Huang, S.F.Wang, H.Yang, Q.H.Gong*, G.Z.Xu, J.F.Xiang, C.P.Chen, W.P.Yan; J. Chem. Phys. 117,14 (2002).....14
6. Probing Spin States of Coupled Quantum Dots by dc Josephson Current ; Y.Zhu, Q.F.Sun, T.H.Lin; Phys. Rev. B. 66, 085306(2002).....18
7. Microwave-induced π -junction transition in a superconductor/Quantum dot/superconductor system; Y.Zhu, Q.F.Sun, T.H.Lin; Phys. Rev. B. 66, 134507 (2002).....23
8. Submergence of the sidebands in the photon-assisted tunneling through a quantum dot weakly coupled to Luttinger liquid leads; Y.F.Yang,T.H.Lin; Phys. Rev. B. 66, 155335(2002).....29
9. Fluctuations and scaling of inverse Participation ratios in random binary resonant composites; Y.Gu, K.W.Yu and Z.R.Yang; Phys. Rev. B. 66, 012202 (2002).....34
10. Synthesis and crystal structure of a novel decanuclear silver cluster complex [Ag(SC₆H₂Pr₃-2,4,6)]₁₀•2CHCl₃•C₂H₅OH"; X.L.Jin, X.J.Xie, H.Qian, K.L.Tang, C.L.Liu, X.Wang, Q.H.Gong; CHEM. COMMUN. 6, 600 (2002).....38
11. Wavelength Dependence of Ultrafast and Large Third-Order Nonlinear Optical Response of Polyacetylene Nanoparticles; X.Y.Pan, N.V. Chigarev, H.B.Jiang, W.T.Huang, Q.H.Gong*, C.L.Liu, V.M.Kobryanskii; C. P. L. 365, 117 (2002).....40
12. Density functional theory studies of beryllium-doped endohedral fullerene Be@C₆₀:on center displacement of beryllium inside the C₆₀ cage; J.Lu; Chemical Physics Letters 352, 8 (2002)45
13. Synthesis of Fe₂O₃ nanowires by oxidation of iron; Y.Y.Fu, J.Chen, H.Zhang, Chem.Phys.Lett. 350, 491 (2001).....49
14. Mass and photoelectron spectrometer for studying field-induced ionization of molecules; C.Y.Wu, H.Z.Ren, T.T.Liu, R.Ma, H.Yang, H.B.Jiang, Q.H.Gong; INT. J. MASS. SPECTROMERY

- 216, 249 (2002).....53
- 15. Field ionization and Coulomb explosion of Methanol in an intense field of femtosecond laser beam; H.Z.Ren, C.Y.Wu, R.Ma, H.Yang, H.B.Jiang, Q.H.Gong*; INT. J. MASS. SPECTROM 219, 305 (2002).....60
 - 16. Effect of colored noises on spatiotemporal chaos in the complex Ginzburg-Landau equation; H.L.Wang, Q.Ouyang; PHYS. REV. E. 65, 046206 (2002).....69
 - 17. Experimental study of the dimensionality of black-eye patterns; C.X.Zhou, .Y.Guo,Ouyang Qi; PHYS. REV. E. 65, 036118 (2002).....74
 - 18. Scale-free network model of node and connection diversity; X.Cheng, H.L.Wang, Q.Ouyang; PHYS. REV. E. 65, 066115 (2002).....79
 - 19. Relation between the wave front and the tip movement of spirals; H.Y.Guo, H.M.Liao, Q.Ouyang; PHYS. REV. E. 66, 026104 (2002).....84
 - 20. Statistics of level spacing of geometric resonances in random binary composites; Y.Gu, K.W.Yu, Z.R.Yang; Phys .Rev. E. 65, 012202 (2002).....88
 - 21. Morphological Investigation at the Front and Rear Surfaces of Fused Silica Processed with Femtosecond Laser Pulse in Air” ; Z.X.Wu, H.B.Jiang, Z.H. Zhang, Q. Sun, H.Yang, Q.H.Gong; Opt. Express. 10, 1244 (2002).....93
 - 22. Self-assembly of L-tryptophan on the Cu(001) surface; X.Y.Zhao, R.G.Zhao, W.S. Yang; Langmuir 18, 433 (2002).....99
 - 23. Physisorption-induced surface reconstruction and morphology changes Adsorption of glycine on Au(110)1×2 surface; X.Y.Zhao, H.Yan, R.G. Zhao, W.S. Yang; Langmuir 18, 3910 (2002)105
 - 24. Nanofaceting of unit cells and temperature dependence surface reconstruction and morphology of Si(105) and (103); R.G. Zhao, Z. Gai, W.J.Li, J.L.Jiang, Y. Fujikawa, T. Sakurai, W.S. Yang; Surf. Sci. 517, 98 (2002).....111
 - 25. Laser-induced dissociation and explosion of methane and methanol; C.Y.Wu, H.Z.Ren, T.T.Liu, R.Ma, H.Yang, H.B.Jiang, Q.H.Gomg; J. PHYSICS. B 35, 2575 (2002).....128
 - 26. Influence of molecular weight on the photorefractivity of polymer/liquid crystal composites; Y.W.Bai, X.F.Chen, W.H.Wan, Q.F.Zhou, H. Liu, B.Zhang, Q.H.Gong; Appl. Phys. Lett. 80, 10 (2002).....136
 - 27. Femtosecond third-order optical nonlinearity of conjugated polymers consisting of fluorene and tetraphenyldiaminobiphenyl units: Structure-property relationships; X.W.Zhan, Y.Q.Liu, D.B.Zhu, W.T.Huang, Q.H Gong; J. Phys. Chem. B. 106, 1884 (2002).....139
 - 28. Turbulence control by developing a spiral wave with a periodic signal injection in the complex Ginzburg-Landau equation; H.Zhang, B.B.Hu, G.Hu, Q.Ouyang, J. Kurths; PHYS. REV. E. 66, 046303 (2002).....144
 - 29. Growth of low-dimensional magnetic nanostructures on an insulator; Z.Gai, APPLIED PHYSICS LETTERS 81,4 (2002).....149
 - 30. Self-saaembly of nanometer-scale magnetic dots with narrow size distributions on an insulating substrate; Z.Gai, PHYSICAL REVIEW LETTERS 89,23 (2002).....152
 - 31. Variation of raman feature on excitation wavelength in silicon nanowires; D.P.Yu; APPLIED PHYSICS LETTERS 81, 23 (2002).....156
 - 32. Field-induced ionization and Coulomb explosion of nitrogen; C.Y’ Wu, H.Z.Ren, T.T.Liu, R;Ma, H.Yang, H.B.Jiang , Q.H.Gong*; Appl. Phys. B 75, 91 (2002).....159
 - 33. Pulse-parameter dependence of the configuration characteristic of microstructure in fused SiO₂ induced by femtosecond laser pulses; L.Luo, C.Li, D.L.Wang, H.Yang, H.B. Jiang, Q.H. Gong*;

- Appl. Phys. A. 74, 497 (2002).....165
34. Effect of peripheral ligands on the optical limiting property of homoleptic sandwich-type rare earth metal diphthalocyanines; X.Wang, C.L.Liu, Q.H.Gong*, Y.Y.Huang, C.H.Huang, J.Z.Jiang; Appl. Phys. A. 75, 497 (2002).....170
35. High-quality GaN nanowires synthesized using a CVD approach; J.C.Wang, S.Q.Feng, D.P.Yu; Applied Physics A 75, 691(2002).....174
36. Study of Ti/Au, Ti/Al, and Ti/Al/Au ohmic contacts to N-GaN; Z. X. Qin, Z. Z.Chen, Y.Z.Tong, X.M.Ding, X.D.Hu, T.J.Yu, G.Y.Zhang; Appl. Phys. A. 76, 1 (2002).....177
37. Estimation of InN phase inclusion in InGaN films grown by MOCVD; Z.Qin, Z.Chen, Y.Tong, G. Zhang; Appl. Phys. A. 74, 655 (2002).....180
38. Optical response of two interacting clusters in composites; Y.Gu, Q.H.Gong; J. Phys.: Condens. Mat. 14, 6567 (2002).....184
39. Nanostructured Silver/Polystyrene Composite Film: Preparation and Ultrafast Third-Order Optical Nonlinearity; R.Zeng, S.F.Wang, H.C.Liang, M.Z.Rong, M.Q.Zhang, H.M.Zeng, Q.H.Gong; Polymers & Polymer Composites 10.291 (2002).....196
40. Evidence for the existence of a sub-structure in Yba₂Cu₃O_{7-d} single crystals; B.Huang, Y.Y.Fu, H.Zhang; Supercond. Sci. Technol. 15, 871 (2002).....204
41. Structural modification in HgBa₂CaCu₂O_y thin films; X.Chen, X.T.Tang, H. Zhang, Supercond. Sci. Technol. 15,475 (2002).....208
42. Research on high-Tc rf SQUID and its applications; F Wang, P Ma, F X Xie, T Yang, R J Nie, L Y Liu, S Z Wang, Y D Dai; Supercond. Sci. Technol. 15, 1675 (2002).....211
43. Growth and superconductivity characteristics of MgB₂ thin films; K Chen, P Ma, R J Nie, T Yang, F X Xie, L Y Liu, S Z Wang, Y D Dai, F Wang; Supercond. Sci. Technol. 15, 1721 (2002).....216
44. The morphology on the surface of the GaN homo-epitaxial film grown by HVPE; J.Zhou, Y.J.Tang, G.Y.Zhang; SOLID STATE COMMUNICATIONS 121, 381 (2002).....220
45. Localized Cathodoluminescence Investigation on single Ga₂O₃ Nanoribbon/Nanowires; D. P. Yu, J-L. Bubendorff, J. F. Zhou, Y. Leprince-Wang, M. Troyon,; Solid. State. Communications. 124, 417(2002).....224
46. Exciton states and interband optical transitions in InGaN quantum dots; J.J.Shi; Solid. State. Commun. 124, 341 (2002).....229
47. Numerical and analytical study of evolution of indirect reciprocity; X. Cheng, Q.Ouyang; Physica. A. 313 683 (2002).....234
48. Ultrafast and large third-order optical nonlinearity of porous nanosized poly-crystal LiNbO₃ film; Q.Q.Wang, S.F.Wang, W.T.Huang, Q.H.Gong*, B.F.Yang, J.Shi; J. Phys. D, 35,430 (2002)246
49. Transient photoinduced anisotropy of absorption in nanopolyacetylene; N.V. Chigarev, X.Y. Pan, Q.H.Gong*, D.Yu. Paraschuk, V.M. Kobryanskii; Opt. Commun 209, 363 (2002).....249
50. Room-temperature 1.54-μm electroluminescence from Er-doped Si-rich SiO₂ films deposited on p-Si by magnetron sputtering; F.C.Yuan, G.Z.Ran, Y.Chen, L.Dai, Y.P.Qiao, Z.C.Ma, W.H.Zong, G.G.Qing; Thin. Solid. Films 409, 194 (2002).....254
51. Dispersion Study on Third-Order Nonlinear Optical Properties of Organic Species with Nitronyl Nitroxide Radical; W.T.Huang, S.F.Wang, R.S.Liang, Q.H.Gong*, D.Q.Zhang, D.B.Zhu; J.M.O. 49, 1545 (2002).....258
52. Formation of diversiform microstructures in wide band gap materials by tight focusing

- femtosecond laser pulses; L.Luo, D.L.Wang, C.D Li, H.B.Jiang, H.Yang, QH.Gong*; J. Opt. A. 4 105 (2002).....266
53. Microstructural and compositional characterization of a new silicon carbide nanocables using scanning transmission electron microscopy; D. P. Yu, Y.J. Xing, M. Tence, Y. Leprince-Wang; Physica. E. 15, 1(2002).....272
54. Excitons in quantum-dot quantum-well nanoparticles. J.J.Shi; Chinese Physics 11,1287 (2002)277
55. Social influence in small-world networks; Sun Kai, X.M.Mao, Q.Ouyang; Chinese Physics 11, 1280 (2002).....285
56. Adsorption geometry of glycine on Cu(001) determined with low-energy electron diffraction and scanning tunneling microscopy; S.P.Ge, X.Y.Zhao, Z.Gai, R.G. Zhao, and W.S. Yang; Chinese Physics 11, 839 (2002).....291
57. Stochastic resonance in a financial model; X.M.Mao, K.Sun, Q.Ouyang; Chinese Physics 11, 1106 (2002).....298
58. Optical responses of dilute anisotropic composites: numerical calculations via Green' s function formalism; Y.Gu, Kin-Wah.Yu; CHINESE PHYSICS 11, 601 (2002).....303
59. Cooperative trends in a Modified Image Scoring Model; Andreasen Jonathan, Q.Ouyang; CHIN.PHYS.LETT. 19, 1887 (2002).....310
60. Growth and optical properties of double heterostructure GaN/InGaN/GaN films with large composition; J.Zhou, G.Y.Zhang; Chin. Phys. Lett. 19, 707 (2002).....313
61. Optical transient relaxation study of Ag-O-Ba composite thin film with supercontinuum probe; D.L.Wang, H.B.Jiang, H.Yang, Q.H.Gong*, Q.F.Zhang, J.L.Wu; Chin. Phys. Lett. 19, 1115 (2002).....317
62. Fifth-order harmonic generation using a coherent controlled two-pulsed optical field; T.T.Liu, D.W.Wang, W.X.Lu, Q.Sun, H.Yang, H.B.Jiang, Q.H.Gong; Chin. Phys. Lett. 19, 1301 (2002)321
63. Wavelength dependence of two-beam coupling measurement on a fully functional photorefractive polymer; B.Zhang, H.Liu, Q.H.Gong *, Jiwon Sohn, Jaehoon Hwang, Soo Young Park, Jin-Kyung Lee, Jai-Hyung Lee, Joon-Sung Chang, Geon Joon Lee; Chin. Phys. Lett. 19, 66 (2002)324
64. Ablation of GaN using a femtosecond laser; W.M.Liu, R.Y.Zhu, S.X.Qian, S.Yuan, G.Y.Zhang; CHINESE PHYSICS LETTERS, 19 (11), 1711, (2002).....327
65. Analytical result of dc supercurrent for a superconductor/quantum-dot/ superconductor" ; W.LI, Y.ZHU, T.H.LIN; Commun. Theor. Phys. 38, 103 (2002).....330
66. Andreev tunneling through a ferromagnet/quantum-dot/superconductor system; H.H.Rao, Y.Zhu, TS.H.Lin; COMMUN. THEOR. PHYS. 38, 629 (2002).....334
67. Investigation on photoexcited dynamics of IR-140 dye in Ethanol by femtosecond supercontinuum-probing technique; D.L.Wang, H.B.Jiang, H.Yang, C.L.Liu, Q.H.Gong, J.F.Xiang, G.Z.Xu; J. Opt. A. 4, 155 (2002).....339
68. Si离子注入和退火温度对GaN 黄光的影响; 张纪才, 戴伦, 秦国刚; 红外与毫米波学报 21, 342. (2002)344
69. 用纳米碳制备光子晶体; 栾峰, 章蓓, 徐军, 张会珍; 红外与毫米波学报 21,53 (2002)349
70. 紫外发光的半导体MgxZn1-xO薄膜制备与性质; 金艳波, 章蓓, 杨术明, 王永忠, 陈晶, 张会珍, 黄春辉, 曹昌其, H. Cao, R.P.H.Chang; 红外与毫米波学报 21, 45 (2002)353

71. 带有周期性微结构的InGaAlP量子阱发光二极管; 王大军, 章蓓, 马晓宇; 红外与毫米波学报, 21, p87-90 (2002)357
72. 高亮度InGaN基白光LED特性研究; 李忠辉, 丁晓民, 杨志坚, 于彤军, 张国义; 红外与毫米波学报; 21, 388 (2002).....361
73. Microstructures of GaN Films Laterally Overgrowth on Si (111) by Hydride Vapour Phase Epitaxy; Z.Z.Chen, R.Zhang, J.M.Zhu, Z.X.Qin, B.Shen, S.L.Gu, F.Wang, Y.D.Zheng, G.Y.Zhang, Z.F.Li, L. F. Kuech; Chin. Phys. Lett. 19, 375 (2002).....364
74. Effects of Si ion implantation and post-annealing on yellow luminescence from GaN; L.Dai, J.C.Zhang, Y.Chen, G.Z.Ran, G.G.Qin; PHYXICA. B. 322, 51 (2002).....367
75. Study of moiré fringes at interface of GaN/ α -Al₂O₃ (0001); Z.Z.Chen, B.Shen, Z.X.Qin, J.M.Zhu, R.Zhang, Y.D.Zheng, G.Y.Zhang; Physica. B. 324, 59 (2002).....373
76. Microstructure and dislocations in the stressed AZ91D magnesium alloys, R.M.Wang, A.Ellezer, E.Gutman; Materials Science and Engineering A 344, 279 (2002).....377
77. Effect of rare earth on the microstructures and properties of a low expansion superalloy,; R.M.Wang, Y.G.Song, Y.F.Han; Micro 33, 575 (2002).....386
78. Optical resonant modes in InGaN MQW/GaN micro-cone; L.Dai, B.Zhang, R. P.Wang, J.Y.Lin, H.X.Jiang; Current Applied Physics 2, 383 (2002).....392
79. Nitridation of GaAs (001) Using N₂-RF Plasma; Z.X.Qin, Z.Z.Chen, J.H.Zhou, G.Y.Zhang; Chinese Journal of Luminescence 23, 114 (2002).....397
80. In_{0.5}(Ga_{1-x}Al_x)_{0.5}P合金的掺杂生长特性; 李忠辉, 丁晓民, 于彤军, 杨志坚, 胡晓东, 张国义; 发光学报 23, 469 (2002).....402
81. Comparison of Properties of Metal-semiconductor-metal GaN 元Photodetectors Operated at 94K Low temperature and at Room Temperature; C.Y.Bao, Z.L.Li, Z.Z.Chen, Z.X.Qin, X.D.Hu, Y.Z.Tong, X.M.Ding, Z.J.Yang, G.Y.Zhang; Chinese Journal of Luminescence 23, 461 (2002).....406
82. 氮化物蓝宝石衬底上GaN薄膜的微结构与光学性质; 陈志忠, 秦志新, 沈波, 朱建民, 郑有阶; 发光学报 23, 124 (2002).....410
83. 三个新的稳定高指数硅表面和它们的家族领地; 李文杰, 姜金龙, 周立, 赵汝光, 杨威生; 物理学报 51, 2567 (2002)415
84. 介质的非均匀性对高次谐波影响的研究; 王大威, 刘婷婷, 杨宏, 蒋红兵, 龚旗煌; 物理学报 51, 2034 (2002)423
85. 直流磁控溅射一步法原位制备MgB₂超导薄膜; 马平, 刘乐园, 张升原, 王昕, 谢飞翔, 邓鹏, 聂瑞娟, 王守证, 戴远东, 王福仁; 物理学报 51, 406 (2002).....427
86. 利用单通道高温超导磁梯度计获取心磁地图; 马平, 姚坤, 谢飞翔, 张升原, 邓鹏, 何东风, 张凡, 刘乐园, 聂瑞娟, 王福仁, 王守证, 戴远东; 物理学报. 51 224 (2002)432

国内一般期刊论文

1. 一种消除HTc SQUID系统中50Hz工频干扰的有效方法; 张升原, 谢飞翔, 刘新元, 马平, 王守证, 戴远东; 低温物理学报 24, 264 (2002).....436
2. 用于HTc rf SQUID的新型超导共面谐振器; 孟树超, 邓鹏, 聂瑞娟, 谢飞翔, 马平, 刘乐园, 王守证, 戴远东; 低温物理学报 24, 179 (2002).....440
3. 直接耦合双耦合环高温超导dc SQUID中增大有效面积的图形设计; 石玉娇, 杨涛, 聂瑞娟, 马平, 谢飞翔, 刘乐园, 王守证, 戴远东; 低温物理学报 24,35 (2002)

4. 用InGaN蓝光LED与YAG荧光粉制造自然白光LED; 王宇方, 杨志坚, 丁晓民, 姚光庆, 段洁菲, 林建华, 张国义; 高技术通讯 12, 77 (2002)……449
5. 基于二维表面等离子体激元的微结构; 章蓓, 栾峰, 徐军, 金艳波, 徐万劲, 张会珍, 钱怡, 马晓宇, 朱恪, 刘玉; 固体电子学研究与进展 22, 476 (2002)……452
6. 超快光声光谱技术的进展和前景; 潘新宇, 龚旗煌; 物理 31, 647 (2002) ……456
7. 高Tc氧化物晶界结; 戴远东, 马平, 杨涛; 物理 31, 7 (2002) ……460
8. Metal ion dopants dependence of optical absorbance in TiO₂ nanoclusters; D.H.Wang, R.S.Liang, H.M.Cheng, J.M.Ma, Y.Q.Wang, D.B.Zhang; 北京大学学报（自然科学版）38, 464 (2002) ……464