

华中科技大学激光技术与工程研究院 2001 年发表论文

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* 为激光技术实验室对外开放客座研究人员发表的论文

1 . Multi-extreme behavior and giant suppression plateau of activation rate in a periodic system driven by correlated noise

Li Cao , (曹力), Da-jin Wu

Physics Letters A (N . H) 283 (2001) 89—95

2 . Noise-induced transport in a periodic system driven by gaussian white noises with intensive cross-correlation

Physics Letters A (N . H) , 291 (2001) 371—375

3 . Temperature effects on the self-deflection of screening—photovoltaic spatial bright solitons in biased photovoltaic—photorefractive crystals

Jinsong Liu (刘劲松), Zhonghua Hao

Physics Letters A (N . H) 285 (2001) 377—382

4 . Mean first passage time of laser phase in a single-mode laser

曹力、吴大进

Physics Letters A (N . H) , 283 (2001) 313—318

5 . Stationary properties in a single-mode laser with cross-correlation between quantum noise terms

柯圣志、曹力、吴大进、姚凯伦

Physics Letters A (N . H) , 281 (2001) 113—118

6 . Analytical method for Yrast Line States in Interacting Bose—Einstein Condensates

Ying Wu (吴颖), Yang Xiaoxue , Yi Xiao

PHYSICAL REVIEW LETTERS (USA) , 2001 , Vol . 86 , No. 11 , p2200—2203

7 . Elaboration of the Ahn—wei nacht—bucksbaum scheme for information storage or retrieval through a quantum phase with a single operation

Ying Wu (吴颖)

PHYSICAL REVIEW A (USA) , 2001 , Vol . 63 , 052303—(1~3)

8 . Algebraic method for solving a class of coupled-channel cavity QED models

Ying Wu (吴颖), Yang Xiaoxue (杨晓雪)

PHYSICAL REVIEW A (USA) , 2001 , Vol . 63 , 043816—(1~5)

9 . Multiband electron model for the photoemission spectrum of ultrathin magnetic overlayers

W. Z. Wang (王为忠), 姚凯伦

PHYSICAL REVIEW B (USA), 2001 , Vol . 64 , 014415—(1~7)

10 . Theoretical model of an organic ferrimagnetic state for a bipartite lozenge chain
Y. F. Duan , 姚凯伦

PHYSICAL REVIEW B (USA), 2001 , Vol . 63 , 134434—(1~4)

11 . Magnetically confined discharge CO laser

Tao Wang (王涛) , Qingming Chen

Optics & Laser Technology (EUROPE), 33 (2001) 475—478

12 . *A further comparative study of flattened Gaussian beams and super—Gaussian beams

Baida Lü (吕百达) , Shirong Luo and Xiaoling Ji

JOURNAL OF MODERN OPTICS (FRANCIS), 2001 , Vol . 48 , No. 3 , P371—377

13 . *Beam quality characterization of radial laser array

Baida Lü (吕百达) and Hong Ma

JOURNAL OF MODERN OPTICS (FRANCIS), 2001 , Vol . 48 , No. 1 , P85—92

14 . *Beam combination of a linear array : Hermite—Gaussian superposition model

Baida Lü (吕百达) and Hong Ma

JOURNAL OF MODERN OPTICS (FRANCIS), 2001 , Vol . 48 , No. 3 , P415—423

15 . Self—deflection of screening—photovoltaic spatial solitons in biased photovoltaic photorefractive crystals

JINSONG LIU (刘劲松) DUYING ZHANG and HONGHUA HAO

JOURNAL OF MODERN OPTICS , 2001 , Vol . 48 , No. 12 , P1803—1810

16 . *The beam quality of annular lasers and related problems

Baida Lü (吕百达) , Xiaoling Ji , Shirong Luo

JOURNAL OF MODERN OPTICS (FRANCIS), 2001 , Vol . 48 , No. 7 , P1171—1178

17 . *Propagation of twisted gaussian shell—model beams through a misaligned first—order optical system

Guilin Ding , Baidai Lü (吕百达)

JOURNAL OF MODERN OPTICS (FRANCIS), 2001 , Vol . 48 , No. 10 , P1617—1621

18 . The polaron and bipolaron states of poly (phenylene vinylene)

姚凯伦 , S. E. Han , K. Zhao

JOURNAL OF CHEMICAL PHYSICS (USA), 2001 , Vol . 114 , No. 14 , p6437—6442

19 . Fabrication and characterization of electrochromic nanocrystalline WO₃ /Si (111) thin films for infrared emittance modulation applications

Guojia Fang (方国家) , Zuli Liu (刘祖黎) , 姚凯伦

J . Phys . D : Appl . Phys . (U . K) , 2001 , 34 , p2260—2266

20 . Synthesis and structural , electrochromic characterization of pulsed laser deposited vanadium oxide thin films

Guojia . Fang , Z . L . Liu , Yu Wang , Y. H. Liu , 姚凯伦

J . Vac . Sci . Technol . A (USA), 2001 , Vol . 19 , No. 3 , p1—6

21 . *Asymptotic approach to the truncated cosh—Gaussian beams

Baida Lü (吕百达) and Shirong Luo

Optical and Quantum Electronics (Netherland) , 33 (2001) : 107—113

22 . *Scaling of dynamic hysteresis in ferroelectric spin systems

J—M Liu (刘俊明) , Q C Li , W M Wang , X Y Chen , G H Cao , X H Liu and Z G Liu

- J . Phys : Condens . Matter . (U . K) , 13 (2001) : L153—L161
- 23 . Sol—Gel preparation of BaTi₄O₉ and Ba₂Ti₉O₂₀
- 徐业彬 , Xiangming Chen , Liangbin Wang
- J . AM . Ceram . Soc. (USA) , 2001 , 84[3] : 669—671
- 24 . Synthesis of Ba₂Ti₉O₂₀ via ethylene diamine—tetra—acetic acid precursor
- 徐业彬 , Xanyan He , Liangbin Wang
- J . Mater . Res (USA) , 2001 , Vol . 16 , No. 4 , p1195—1199
- 25 . Quantum theory for microcavity enhancement of second harmonic generation
- Ying Wu (吴颖) , Xiaoxue Yang
- J . Phys . B : Atomi cal Mol ecular & Opti cal Physics , 34 (2001) : 2281—2288
- 26 Algebraic structure of the Lie algebra so(2,1) for a quantized field in a vibrating cavity
- Ying Wu (吴颖) , Xiaoxue Yang
- J . Phys . A : Math & Gen. , 34 (2001) : 327—334
- 27 . Synthesis and structural , electrochromic characterization of pulsed laser deposited vanadium oxide thin films
- Guo Jia Fang , Z. L. Liu , Yu Wang , Y. H. Liu , K. L. Yao (姚凯伦)
- J . Vac . Sci . Technol . A (USA) , 19 (3) , May/Jun , 2001 , p887—892
- 28 . The investigation of magnetically confined discharge CO lasers
- Tao Wang (王涛) , Qingming Chen , Daisheng Mao
- Appl . Phys . B : Lasers & Optics (EUROPE) , 72 (2001) : 599—603
- 29 . *Low—field magnetoresistance in nanosized La_{0.7}Sr_{0.3}MnO₃/Pr_{0.5}Sr_{0.5}MnO₃ composites
- J—M Liu (刘俊明) , G. L. Yuan , H. Sang , Z. C. Wu , X. Y. Chen , Z. G. Liu , and Y. W. Du , Q. Huang and C. K. Ong
- APPLIED PHYSICS LETTERS (USA) , 2001 , Vol . 78 , No. 8 , p1110—1112
- 30 . *Scaling on hysteresis dispersion in ferroelectric systems
- J. M. Liu (刘俊明) , H. L. W. Chan , C. L. Choy , et al
- APPLIED PHYSICS LETTERS (USA) 2001 , Vol . 79 , No. 2 , p236—238
- 31 . *Remanence enhancement of Potts spin lattice : Monte—Carlo simulation
- J. M. Liu (刘俊明) , Y. W. Du , Z. G. Kiu , H. L. W. Chan , C. L. Choy
- Solid state communications (EUROPE) , 119 (2001) : 441—445
- 32 . *Scaling on hysteresis in a model spin system
- J. M. Liu (刘俊明) , N. Chong , H. L. W. Chan , C. L. Choy
- Solid state communications (EUROPE) , 119 (2001) : 459—463
- 33 . Torsion—and spin—density—functional theory for non—collinear magnetic systems
- S. J. Luo , 姚凯伦
- Solid state communication (EUROPE) , 120 (2001) : p233—236
- 34 . Preparation and electrochromic properties of nanocrystalline WO₃ thin films prepared by pulsed excimer laser ablation technique
- G. J. Fang (方国家) , Z. L. Liu , G. C. Sun , 姚凯伦
- Phys . Stat . Sol . (a) , (EUROPE) , 2001 , Vol . 184 , No. 1 , p129—137
- 35 . Fabrication and electronchromic properties of double layer WO₃(V)/V₂O₅

- (Ti) thin films prepared by pulsed laser ablation technique
 Guojia Fang (方国家),姚凯伦, Zuli Liu
Thin solid films (EUROPE), 394 (2001): 64—71
- 36.*Spin-polarized inter-grain tunneling as the probable mechanism for low-field magnetoresistance in partially crystallized La_{0.5} Sr_{0.5} MnO₃ thin films
 J. M. Liu(刘俊明), G. L. Yuan, X. Y. Chen, Z. G. Liu, Y. W. Du, Q. Huang, J. Li, S. Y. Xu, C. K. Ong
Applied physics A: Materials science & Processing (EUROPE), (2001): 625—630
- 37.*Microstructure and mechanical properties of the hypercooled Ti₅₀ Al₅₀ alloy
 Y. C. Liu(刘永长), G. C. Yang, X. F. Guo, J. H. Yang, D. S. Xu, Y. H. Zhou
Materials research bulletin (EUROPE), 36 (2001): 963—969
- 38.*Directional growth of metastable phase in laser-remelted Ti-Al
 Y. C. Liu(刘永长), Z. Q. Guo, T. Wang, D. S. Xu(许德胜), G. S. Song, G. C. Yang, Y. H. Zhou
Journal of Materials Processing Technology, 108 (2001) 394—397
- 39.*Influence of deposition pressure on the composition and structure of carbon nitride films deposited by direct current plasma assisted pulsed laser ablation
 Y. H. Cheng(程宇航), Z. H. Sun, B. K. Tay, S. P. Lau, X. L. Qiao, J. G. Chen et al
Applied Surface Science (EUROPE), 182 (2001): 32—39
- 40.*Modified surface morphology in surface ablation of cobalt-cemented tungsten carbide with pulse UV laser radiation
 Tiejun Li, Qihong Lou(楼祺洪), Jingxing Dong, Yunrong WEI, Jingru Liu
Applied Surface Science (EUROPE), 172 (2001): 331—344
- 41.*Escape of carbon element on surface ablation of cobalt cemented tungsten carbide with pulsed UV laser
 Tiejun Li, Qihong Lou(楼祺洪), Jingxing Dong, Yunrong WEI, Jingru Liu
Applied Surface Science (EUROPE), 172 (2001): 51—60
- 42.*Excimer laser treatment of fluorocarbon resin for improved adhesion
 Feng HUANG, Qihong Lou(楼祺洪), Jingxing Dong, Yunrong WEI
Applied Surface Science (EUROPE), 174 (2001): 1—6
- 43.Temperature distributions and thermal deformations of mirror substrates in laser resonators
 Yufeng Peng(彭玉峰), Zuhai Cheng(程祖海), Yaoning Zhang, Junlin Qiu
APPLIED OPTICS, Vol. 40, No. 27, 2001, p4824—4830
- 44.Escape of Brownian particles in a bistable sawtooth potential driven by correlated white noises
 游敬云、曹力、柯圣志、吴大进
The EUROPEAN PHYSICAL JOURNAL B, 20 (2001): 397—403
- 45.Density matrix renormalization group studies on one-dimensional p-conjugated organic ferromagnet with side radical
 K. L. Yao(姚凯伦), G. Y. Sun, W. Z. Wang
Eur. Phys. J. B (Italy), 24 (2001): 309—313
- 46.Raman theory for a molecule in a vibrating microcavity oscillating in fundamental resonance
 Yang Xiaoxue(杨晓雪), Wu Ying(吴颖)
Commun. Theor. Phys. (China), 2001, Vol. 35, No. 6, p725—728

- 47 . Dynamical casimir effect in a cavity with a resonantly oscillating boundary
Yang Xiaoxue (杨晓雪), Wu Ying (吴颖)
Commun . Theor . Phys .(China), 2001 , Vol . 35 , No. 4 , p459—464
- 48 . Ab initio studies on molecular conductor (BEDSe—TTF) 2 [Fe (CN) 5 NO]
姚凯伦 , Tu Haibo , Wang Weizhong
Commun . Theor . Phys .(China), 2001 , Vol . 36 , No. 6 , p729—732
- 49 . The electronic and lattices structures of the ground and the polaron states of polymer poly (phenylene vinylene)(PPV)
姚凯伦 , Han Si—en , Duan Yong—fa
Commun . Theor . Phys .(China), 2001 , Vol . 36 , No. 1 , p109—114
- 50 . Electron transport behavior in a mirror magnetic field and a non—uniform electric field
Liu Yanhong , Liu Zuli , 姚凯伦 , Wei Helin , Liu Hongxiang
Commun . Theor . Phys .(China), 2001 , Vol . 35 , No. 2 , p207—212
- 51 . Escape of brownian particles in the system driven by correlated white noises : comparison of three models
游敬云、曹力、吴大进、张莉
Commun . Theor . Phys .(China), 2001 , Vol . 36 , No. 5 , p535—540
- 52 . Laser—induced temperature distributions and thermal deformations in sapphire , silicon , and calcium fluoride substrates at 1.315 m m
Yufeng Peng (彭玉峰), Zuhai Cheng (程祖海), Yaoning Zhang , Junlin Qiu
Opt . Eng .(USA), 2001 , 40 (12): p2822—2829
- 53 . Theoretical and experimental studies of noise suppression for intracavity frequency doubled lasers with phase matching type I or II
Dehua Li , Changhong Zhu (朱长虹), Volker Gaebler , Baining Liu , Hans Joachim Eichler , Zhiqiang Zhang , Wang Ying 李正佳 丘军林
Opt . Commun (EUROPE), 189 (2001): 357—364
- 54 . *Focal shift in Gaussian beams focused by a spherically aberrated bifocal lens
Baida Lü (吕百达), X . Ji
Opt . Commun (EUROPE), 189 (2001): 47—53
- 55 . *0—switching of a diode—pumped Nd : YVO 4 laser with GaAs nonlinear output coupler
辜建辉 , Feng Zhou , Kah Tau Wan , Tuan Kay Lim , Siu Chung Tam , Yee Loy Lam , 许德胜 , 程祖海
Optics and Lasers in Engineering (EUROPE), 35 (2001): 299—307
- 56 . *Propagation of Gaussian beams through an astigmatic lens
Xiaoling Ji , Baida Lü (吕百达)
Optik (DE), 2001 , 112 (1): 1—8
- 57 . Coupling losses of rectangular waveguide resonators—fourier analysis
刘凡凡 , Cao mingcui (曹明翠), Xu Qi yang . , Wang Xinbing
Optics Express (USA), 2001 , Vol . 8 , No. 1 , p 11—16
- 58 . *Preparation of KIN films on single crystal quartz substrates
张端明 , Z . H . Li , M . J . Zhang , X . D . Wang , M . T . Huang , B . M . Yu , 许德胜 , Y . M . Wang
The American ceramic society bulletin (USA), 2001 , Vol . 80 , No. 2 , p57—61

[http://laser.hust.edu.cn/research.files/paper2001.htm](http://laser.hust.edu.cn/research/files/paper2001.htm)