

华中科技大学激光技术与工程研究院 2000 年发表论文

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[摘要] 华中科技大学激光技术与工程研究院 2000 年发表论文。

[关键词] 华中科技大学，激光技术与工程研究院，2000 年，发表论文，国际刊物，国内刊物

国际刊物 (共 43 篇)

* 为激光技术实验室对外开放客座研究人员发表的论文

1. The theoretical investigating of magnetically confined discharge CO Laser

Tao Wang (王涛), Qingmin Cheng

Optics Communications, 184(2000), 437-441

2. Preparation of Ba_{6-3x} Nd_{8+2x} Ti₁₈₀₅₄ via Ethylenediaminetetraacetic Acid Precursor

Yebin Xu (徐业彬), Xiang Ming Chen and Yong Jun Wu

J. Am. Ceram. Soc. 83(11) 2893-95(2000)

3. Synthesis of Ba_{6-3x} Nd_{8+2x} Ti₁₈₀₅₄ ceramic powders via citric acid precursor

Yebin Xu (徐业彬), Xiang Ming Chen, Yong Jun Wu

J. Mater. Sci. - Mater. in Electronics 11(2000) 633-636

4. In-plane aligned YBCO film on textured YSZ buffer layer deposited NiCr alloy tape by laser ablation only with O₂ + ion beam assistance

Huang Xintang (黄新堂), Youqing Wang, Quliang Wang and Qingming Chen

J. Phys. : Condensed Matter, 12(2000)761-764

5. Orientated growth of V₂O₅ Electrochromic thin films on transparent conductive glass by pulsed excimer laser ablation technique

G J Fang (方国家), Z L Liu, Y Q Wang, H H Liu and K L Yao

J. Phys. D: Appl. Phys., 33(2000)3018-3021

6. Theoretical modeling of high frequency magnetic confined discharge in CO₂ laser

Xin-Bing Wang (王新兵), Qin-Ming Chen, Min-Jie Xie, De-Sheng Xu

SPIE 3931 2000, P180-183

7. Discharge configuration for slab CO₂ laser excited by switching power

Xin-Bing Wang (王新兵), Qin-Ming Chen, Min-Jie Xie, De-Sheng Xu

SPIE 3931 2000, P184-187

8. Angular spectrum theory to calculate coupling efficiency in rectangular waveguide resonators

Xin-Bing Wang (王新兵), Xu Qi yang, Liu Erwu

Optics & Laser Technology, 32(2000): P177-181

9. A new mechanism of phase locking in a single-mode laser

Li Cao (曹力), Da-jin Wu

Physics Letters A 275(2000)223-227

10. Fluctuation-induced transport in a spatially symmetric periodic potential
Li Cao (曹力) and Da-jin Wu ,
2000 The American Physical Society P7478-7481
11. Monte Carlo simulation of mirror magnetic field effects in a helium direct current gas discharge
Y H Liu, Z L Liu, K L Yao (姚凯伦) , H X Liu and J Z Wang
J. Phys. D: Appl. Phys. 33(2000)812-818
12. Laser-induced colouration of V205
Zuli Liu (刘祖黎) , Guojia Fang, Youqing Wang, Yandong Bai and Kai-lun Yao
J. Phys. D: Appl. Phys. 33(2000)2327-2332
- 13 . The effect of various magnetic field configurations on a hollow-cathode discharge
Jian-jun Lai (赖建军) , Qing-ming Chen and Jun-lin Qiu
J. Phys. D: Appl. Phys. 33(2000) 1785-1793
- 14 . New free-space multi stage optical interconnection network and its matrix theory
Fengguang Luo (罗风光) , Mingcui Cao, Anjun Wan, Jun Xu, Xijun Zhou, Cong Deng
SPIE 3952 , 2000
- 15 . Crosstalk analysis of 4~48 parallel optical interconnect system based on VCSEL/CMOS chip and 1D optical fiber data link
Fengguang Luo (罗风光) , Mingcui Cao, Xu Jun, Wan Anjun, Zhou ,Xijun, Hu Qiaoyan, WangTie
SPIE 4225 , 2000.11
- 16 . Scalable IP switching based on optical Interconnect
Luo Zhi xiang (罗志祥) Cao Mingcui Liu Erwu
SPIE 4225 , 2000
- 17 . Novel photonic ATM switching architecture based on free - space optical interconnect
Luo Zhi xiang (罗志祥) , Mingcui Cao, Yuan Li , Jiangdong Wu, Qiaoyan Hu
SPIE 3952 , 2000
- 18 . An optical switch matrix for transparent optical cross - connection
Wang Tie (王铁), Cao Mingcui , Hu Qiaoyan, Luo Fengguang
SPIE 4225, 2000
- 19 . Optical interconnect network module of high Bandwidth data link for parallel processing of multi - computers
Mingcui Cao (曹明翠), Fengguang Luo , Jiayi Wang, Jun Xu, Xijun Zhou, Anjun Wan
Optical in computing' 2000, SPIE 4089
- 20 . Prototype system implementation of A scable high - throughput IP swathing based on optical interconnect
Zhi xiang Luo (罗志祥) , Mingcui Cao , Jiangdong Wu, Erwu Liu
Optical in computing' 2000, SPIE 4089
- 21 . Hear - resistant optical waveguides using new silicon - based polymers
Zhene Xu (许振鄂) , Qiong Xie, Zhiqiao Tan, Qingsong Wu, Yuanying Chen
IEEE LEOS Conf., SODC 2000, 138-141

- 22 . Design of optical - waveguides with new silicon - based polymers
Xie Qiong(谢琼) , Xu Zhene
SPIE, Vol 4223, 2000, 247-250
- 23 . Resonator and Beam Quality of the Multi -Channel Spiral Flow CO₂ Laser with Round-Metal -Resonator
Wei Gong(龚威), Li Zai guang, Xu Desheng
SPIE 3931 (2000) P188-192
- 24 . Preparation and properties of vanadium dioxide thin films for modulated micro bolometers
ChangWong Chen, Xinjian Yi (易新建) , Xingrong Zhao, Bifeng Xiong et al.
25 th International Conference on Infrared and Millimeter Waves. Sep. 12-15 2000: 145
- 25 . Design and fabrication of linear array IR bolometers using VO₂ thin film
ChangWong Chen, Xinjian Yi (易新建) , Xingrong Zhao, Bifeng Xiong et al.
25 th International Conference on Infrared and Millimeter Waves. Sep. 12-15 2000: 211
- 26 . Research on Hybrid Device of Si Microns Arrays with Long Focus and IR Detector Arrays
Chen Sihai, Xinjian Yi (易新建) , He Miao, Zhang Xinyu et al.
25 th International Conference on Infrared and Millimeter Waves. Sep. 12-15 2000: 147-148
- 27 . Diffractive Micro lens Array Monolithic Integration with PtSi Focal Plane Array
Yi Li, Xinjian Yi (易新建) , Liping Cai, Sihai Chen, Sixiang Chen, et al.
25 th International Conference on Infrared and Millimeter Waves. Sep. 12-15 2000: 141-142
- 28 . Design and fabrication of antireflection structured surface
Sixiang Chen, Xinjian Yi (易新建) , Sihai Chen, Zuhai Chen, et al.
25 th International Conference on Infrared and Millimeter Waves. Sep. 12-15 2000: 143-146
- 29 . Study of influences of laser power fluctuation on thermogram of the material
Xueqin Wei, Qiguang Zheng(郑启光) , Jianhui Gu, Zai guang Li
Optics & Laser Technology 32(2000)205-210
30. A comparative study of elegant and standard Hermite-Gaussian beams
Baida Lü (吕百达) , Hong Ma
Optics Communications 174 (2000) 99-104 , 15 January 2000
31. Beam propagation factor of hard-edge diffracted cosh-Gaussian beams
Baili Lü (吕百达) , Shirong Luo
Optics Communications 178 (2000) 275-281 , 15 May 2000
32. Beam combination of a radial laser array: Hermite-Gaussian model
Baida Lü (吕百达) , Hong Ma
Optics Communications 178 (2000) 395-403 , 15 May 2000
33. Coherent and incoherent off-axis Hermite-Gaussian beam combinations
Baida Lü (吕百达) , Hong Ma
10 March 2000/Vol. 39, No. 8/ APPLIED OPTICS P1279-1289

- 34 . Beam propagation properties of radial laser arrays
 Bai da L ü (吕百达) and Hong Ma
 Vol . 17, No. 11, 2000 / J. Opt. Soc. Am. A
- 35 . The propagation of complex-argument Laguerre-Gaussian beams
 Hong Ma and Bai da Lü (吕百达)
 Optik 111, No. 6(2000)273-279
- 36 . The beam quality in coherent and incoherent combinations of one-dimensional off-axis Hermite-Gaussian beams
 Bai da L ü (吕百达) and Hong Ma
 Optik 111, No. 6(2000)269-272
- 37 . General propagation equation of flattened Gaussian beams
 Bai da L ü (吕百达) and Shi rong Luo
 Vol . 17, No. 11, 2000 / J. Opt. Soc. Am. A
- 38 . Excimer Laser Induced Volcano Pattern on Si Surface
 Feng HUANG (黄锋), Qi hong LOU, Yunrong WEI, Jingxing DONG, Tiejun LI ,
 The second AsianPacific Laser symposium, 2000 , Aug 21-24 Shanghai CHINA
- 39 . Micro-structuring with 193nm Laser Radiation
 Zhang Lin (张林), Lou Qi hong, Wei Yunrong, Huang Feng
 SPIE Vol . 4181-39
40. Growth Mechanism of Decagonal Quasicrystal in the Chill Cast Al 72 Ni 12 Co 16 Alloy
 Yongchang Liu (刘永长), Gencang Yang and Yaohe Zhou
 Material Transactions, JIM, Vol . 41, No. 1, 2000
- 41 . Decagonal quasicrystal growth in the undercooled Al 72 Ni 12 Co 16 alloy
 Y.C.Liu (刘永长) , X.F.Guo, J.H.Yang, G.C.Yang, Y.H.Zhou
 Journal of crystal Growth 209 (2000) 963-969
- 42 . Sealing Performance and Optical Quality of a Jet - Injection Aerodynamic Window
 Yu wenfeng (余文峰), Zhu songlin, Cheng Zuhai
 第一届国际机械工程学术会议 , ICME2000 , 2000 年 11 月 20 - 22 日
- 43 . Virtual inspecting technology on large curvature mirrors surface
 Zhang Yaoning (张耀宁), Jian Jun, Zhou Chiming, Cheng Zuhai
 第一届国际机械工程学术会议 , ICME2000 , 2000 年 11 月 20 - 22 日

国内刊物 (共 41 篇)

* 为激光技术实验室对外开放客座研究人员发表的论文

44. 磁约束放电 CO 激光模型
 王涛 , 陈清明 , 毛代胜
 物理学报 , Vol . 49, No. 12, Dec, 2000: P2369-2373
45. A numerical Simulation for Three-dimensional (3D) Unsteady-state Temperature Field in Laser Circular Cutting of Pipe
 Huang Kaijin (黄开金) , Zeng Dawen, Xie Changsheng, Xu Desheng
 CHINESE JOURNAL OF LASERS, Vol . B9, No. 4, Aug, 2000
- 46 . 激光熔蚀反应淀积 AlN 薄膜残余应力及热稳定性研究

- 汪洪海，郑启光，丘军林，熊贵光，田德成
中国激光，Vol.A27, No.9, Sep, 2000
47. 不锈钢基底高电流密度 YBCO 超导体材
黄新堂、王又青，陈清明，徐启阳
中国激光，vol.A27, No.1, Jan, 2000: P91-94
48. 磁约束放电 CO 激光模型的研究
王涛，陈清明
中国激光，Vol.A27, No.12 , Dec, 2000
49. 大 F 数硅微透镜阵列的制作及光学性能测试研究
何苗，易新建，程祖海，黄光，刘鲁勤
中国激光，Vol.A27, No.12, Dec, 2000: P1097-1102
50. 定向棱镜谐振腔的特性研究
程勇，王晓兵，孙斌，毛少卿
中国激光，Vol.A27, No.6, June, 2000
51. YAG 脉冲激光焊接的光致等离子体机理研究
唐霞辉，朱海红，朱国富，李适民，李再光
中国激光，Vol.A27, No.5, May, 2000
52. 激光深熔焊接溶池行为与焊接缺陷的研究
郑启光，辜建辉，王涛，王忠柯，陶星之
激光技术，Vol.24, No.2, Apr, 2000
53. 激光功率和材料温度的涨落特性
魏学勤、郑启光，吴小刚，辜建辉，李再光
激光技术，Vol.24, No.5, Oct, 2000
54. 硅酸铝短纤维强化铝基复合材料的激光切割
杨永强，李林，郑启光
激光技术，Vol.24, No.5, Oct, 2000
55. 激光表面熔覆层凝固组织特征形成过程
王忠柯，郑启光，王涛，辜建辉，陶星之
激光技术，Vol.24, No.1, Feb, 2000
56. 大通光孔径气动窗口光学特性研究
张耀宁，程祖海，李锋，杜泽明
激光技术，Vol.24, No.2, Apr, 2000
57. 磁约束放电激励对 N 2 激光输出特性的影响
王涓、谷怀民、陈永荣、胡雪金，丘军林，龚志伟，周小伙，孙海斌
激光技术，Vol.24, No.6, Dec. 2000
58. 光纤相位共轭镜的研究
后运飞，刘耀兰，王英，丘军林，Eichler H J, Liu B
激光技术，Vol.24, No.1, Feb. 2000
59. 大型轧辊快速激光刻花点的微观结构研究
朱大庆，左都罗，李适民，周新军，刘建功
激光技术，Vol.24., No.1, 2000
60. 被动调 Q 激光脉冲周期的研究
朱长虹，李正佳，陈殊殊，丘军林，刘百宁
激光技术，Vol.24, No.2, Apr, 2000

61. 激光焊接专用气动喷嘴的研究
唐霞辉，朱海红，朱国富，李适民，李再光
激光技术，Vol. 24, No. 2, Apr 2000
62. 金刚石圆锯片的激光焊接设备与工艺研究
朱海红，唐霞辉，朱国富，陈清明，李适民
激光技术，Vol. 24, No. 3, June, 2000
63. 氧离子束辅助激光制备平面结构的 YBCO 膜
王忠柯，黄新堂，王又青，叶和清
华中理工大学学报 Vol. 28, No. 8, Aug, 2000
64. 零件表面裂纹激光修复的组织结构研究
叶和清，王忠柯，许德胜，黄素逸
华中理工大学学报，Vol. 28, No. 12, Dec. 2000
65. 热处理条件对热蒸镀 WO₃ 薄膜结构的影响
方国家，姚凯伦，王豫，刘祖黎
华中理工大学学报，Vol. 28, No. 9, Sep. 2000
66. 真空自动量热仪测温电路的改进
李培丽，陈清明，高述章，李晓平
华中理工大学学报，Vol. 28, No. 9, Sep. 2000
67. 大容量光 ATM 交换机控制系统的研究
吴江东，曹明翠，李源，罗志祥
华中理工大学学报，Vol. 28, No. 3, 2000
68. 激光刻花表面形貌的数值模拟及实验比较
朱大庆，左都罗，李适民，刘建功
华中理工大学学报，Vol. 28, No. 1, Jan. 2000
69. 光在多层生物组织中传输的蒙特卡罗模拟
卢毅权，李正佳
华中理工大学学报，Vol. 28, No. 3, Mar, 2000
70. 大容量 IP 交换机输出排队模块的实现研究
许伟，曹明翠，罗志祥，吴江东
华中理工大学学报，Vol. 28, No. 11, Nov, 2000
71. 反射率极值法监控薄膜沉淀的计算机模拟
张晓晖，陈清明，汤玮，杨光
华中理工大学学报，Vol. 28, No. 11, Nov, 2000
72. 氧离子在辅助激光制备具有结构的 YBCO 薄膜
王忠柯，黄新堂，王又青，王秋良，陈清明
材料研究学报，Vol. 14, No. 5, Oct. 2000
73. 涡流管冷却的旋转晶体窗口有限元分析
余文峰，周卓尤，程祖海，张耀宁
强激光与粒子束，Vol. 12, No. 50, Nov, 2000
74. 热变形谐振腔的激光模式理论分析
彭玉峰，程祖海，张耀宁，乐凯文，丘军林
强激光与粒子束，Vol. 12, No. 50, Nov, 2000
75. 相变致冷复合镜研究
张耀宁，彭玉峰，周次明，余文峰，程祖海

- 强激光与粒子束 , Vol . 12, No. so, Nov, 2000
- 76 . 像散透镜对高斯光束的变换特性
季小玲 吕百达
强激光与粒子束 , Vol . 12, No. 4, Aug, 2000
- 77 . 不锈钢基底上离子辅助沉积激光制备 CeO₂ 薄膜及其结构分析
黄新堂、王又青 , 陈清明 , 徐启阳
无机材料学报 , Vol . 15, No. 3, Jun, 2000: P499-503
78. 移动热源条件下熔池内流体流动和传热问题的数值研究
邹德宁 , 雷永平 , 黄延禄 , 苏俊义
金属学报 , Vol . 36, No. 4, 2000
- 79 . 用在 CNC 上的智能编辑器
谢琼 , 李适民 , 许振鄂
机械与电子 , 2000 (5), 18-19
- 80 . 二元光学元件的制作及其误差分析
李思涛 , 叶嘉雄 , 阮 玉 , 徐启阳 , 郭志霞
光电子技术与信息 , 第 13 卷第 5 期 , 2000 年 10 月
- 81 . 高功率倍频激光扫描机的研究
秦军 , 李正佳 , 朱长虹 , 陈殊殊
光电子技术与信息 , Vol . 13, No. 2
- 82 . 自动恒湿 KTP 激光治疗机
秦军 , 李正佳 , 朱长虹
医学信息 , Vol . 13, No. 6
- 83 . 激光增强纺织纤维拒油性研究
魏运荣、黄峰、楼祺洪、董景星、雷博、李铁军、章琳
2000 十一省 (市) 光学学术会议论文集
- 84 . 激光照射材料表面时的 Rayleigh-Taylor 不稳定性
黄峰、楼祺洪、雷博、董景星、魏运荣、范滇元
2000 十一省 (市) 光学学术会议论文集

<http://laser.hust.edu.cn/research.files/paper2000.htm>