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## 论文著作

### · 发表论文

2001—2005年发表论文1018篇，其中SCI收录308篇，EI收录415篇，影响因子2.0以上的33篇。重要论文为：

序号	论文名称	作者	发表刊物名称	发表时间 年, 卷(期), 页	影响 因子
1	Coupling losses of rectangular waveguide resonators - Fourieranalysis	刘儿兀 (博士生) 王新兵	OPTICS EXPRESS	2001, 8(1), 11	2.027
2	Design of anti-resonant reflecting photonic crystal VCSEL lasers	刘海荣	OPTICS EXPRESS	2004, 12(18), 4269	3.797
3	Experimental demonstration of wavelength conversion between ps-pulses based on cascaded sum- and difference frequency ge	王健 (博士生) 孙军强	OPTICS EXPRESS	2005, 13(19), 7405	3.764
4	Multichannel wavelength conversion exploiting cascaded second-order nonlinearity in LiNbO3 waveguides	孙军强	IEEE PHOTONICS TECHNOLOGY LETTERS	2003, 15(12), 1743	2.552
5	Multiwavelength lasers based on semiconductor optical amplifiers	孙军强	IEEE PHOTONICS TECHNOLOGY LETTERS	2002, 14(6), 750	2.1
6	Tunable wavelength conversion between picosecond pulses using cascaded second-order nonlinearity in LiNbO3 waveguides	孙军强	APPLIED PHYSICS B	2005, 80(6), 681	2.056
7	Efficient numerical method for predicting the polarization-dependent Raman gain in fiber Raman amplifiers	张敏明	J. Opt. Soc. Am. A	2004, 21(2), 263	2.012
8	All-optical AND gate at 10 Gbit/s based on cascaded single-port-coupled SOAs	张新亮	OPTICS EXPRESS	2004, 12(3), 361	3.797
9	Tunable all-optical NOR gate at 10 Gb/s based on SOA fiber ring laser	赵蝉 (博士生)张新亮	OPTICS EXPRESS	2005, 13(8) 2793	3.764
10	Simultaneous clock component extraction and wavelength conversion of NRZ signal using an SOA loop mirror	洪伟	IEEE PHOTONICS TECHNOLOGY LETTERS	2004, 16(4), 1116	2.552
11	Theoretical analysis of tunable wavelength conversion based on FWM in a semiconductor fiber ring laser	李培丽 (博士生) 黄德修	IEEE JOURNAL OF QUANTUM ELECTRONICS	2005, 41(4), 581	2.452

12	Influence of the fabrication technique on the porous size of the polymer nanoporous antireflection coatings	赵茗	J. Opt. Soc. Am. B	2005, 22 (6), 1330	2.119
序号	论文名称	作者	发表刊物名称	发表时间 年, 卷(期), 页	影响 因子
13	Achieving multifrequency mode multiwave entanglement with ultraslow mixing	吴颖	OPTICS LETTERS	2004, 29(10), 1144	3.882
14	Ultraslow bright and dark optical solitons in a cold three-state medium	吴颖	OPTICS LETTERS	2004, 29(17), 2064	3.882
15	Fully quantized theory of four-wave mixing with bosonic matter waves	吴颖	OPTICS LETTERS	2005, 30 (3), 311	3.599
16	Holographic solitons in photorefractive dissipative systems	刘劲松	OPTICS LETTERS	2003, 28(22), 2237	3.395
17	Efficient hyper-Raman scattering in resonant coherent media	吴颖	OPTICS LETTERS	2003, 28(8), 631	3.395
18	Exact eigenstates for a class of models describing two-mode multiphoton processes	吴颖	OPTICS LETTERS	2003, 28(19), 1793	3.395
19	Electromagnetically induced transparency in V-, Lambda-, and cascade-type schemes beyond steady-state analysis	吴颖	PHYSICAL REVIEW A	2005, 71(5) 053806	2.997
20	Two-color ultraslow optical solitons via four-wave mixing in cold-atom media	吴颖	PHYSICAL REVIEW A	2005, 71(5) 053820	2.997
21	Highly efficient four-wave mixing in double-Lambda system in ultraslow propagation regime	吴颖	PHYSICAL REVIEW A	2004, 70(5), 053818	2.997
22	Evolution of separate screening soliton pairs in a biased series photorefractive crystal circuit	刘劲松	PHYSICAL REVIEW E	2002, 65(6), 066601	2.397
23	Holographic screening-photovoltaic solitons in biased photovoltaic-photorefractive crystals with two-wave mixing	刘劲松	EUROPHYSICS LETTERS	2004, .65(5), 658	2.237
24	Existence and stability of rigid photovoltaic solitons in an open-circuit amplifying or absorbing photovoltaic medium	刘劲松	PHYSICAL REVIEW E	2003, .68(2) 026607	2.202
序号	论文名称	作者	发表刊物名称	发表时间 年, 卷(期), 页	影响 因子
25	Existence and property of spatial solitons in a photorefractive dissipative system	刘劲松	J. Opt. Soc. Am. B	2003, 20(8), p1732	2.122
26	Higher-order space-charge field effects on the self-deflection of bright screening photovoltaic spatial solitons	刘劲松	J. Opt. Soc. Am. B	2002, 19(3), 513	2.122
27	gamma-Fe <sub>2</sub> O <sub>3</sub> nanoparticles prepared by laser ablation of a tiny wire	曾晓雁	APPLIED PHYSICS A	2005, 80(3), 581	1.99
28	Sol-gel preparation of BaTi <sub>4</sub> O <sub>9</sub> and Ba <sub>2</sub> Ti <sub>9</sub> O <sub>20</sub>	徐业彬	J. AMERICAN CERAMIC SOCIETY	2001, 84(3), 669	1.748
29	Development of a novel 3 X 3 micromirror array for light	余洪斌 (博士生)	JOURNAL OF MICROMECHANICS AND	2004, 14(11)	2.499

	modulation	陈海清	MICROENGINEERING	1544	
30	High power polarization-insensitive 1.3 $\mu\text{m}$ InGaAsP-InP quantum-well superluminescent emission diodes grown by MOVPE	马宏 (博士生) 陈四海	SEMICONDUCTOR SCIENCE AND TECHNOLOGY	2004, 19(7) 823	2. 152
31	1.55 $\mu\text{m}$ spot-size converter integrated polarization-insensitive quantum-well semiconductor optical amplifier with tensile-strained barriers	马宏 (博士生) 陈四海	SEMICONDUCTOR SCIENCE AND TECHNOLOGY	2004, 19(7), 846	2. 152
32	Design and optical performance research of multi-phase diffractive microlens arrays	孔令彬 (博士生) 易新建	JOURNAL OF MICROMECHANICS AND MICROENGINEERING	2004, 14(8), 1135	2. 048
33	Research on hybrid integration technology between charge-coupled devices and diffractive microlens arrays	柯才军 (博士生) 易新建	JOURNAL OF MICROMECHANICS AND MICROENGINEERING	2004, 14(1), 125	2. 048

• 专著与教材

2001-2005年撰写专著5本，重要教材2本：

序号	专著名称	作者	出版时间	国际标准书号ISBN
1	工业激光技术	丘军林, 程祖海	2004年	ISBN7-5609-2661-4
2	激光焊接金刚石工具	唐霞辉	2004年	ISBN7-5609-3292-4
3	激光技术	蓝信钜, 朱长虹	2005年	教材, 科学出版社
4	信息科学导论	黄德修	2001年	教材, 中国电力出版社
5	激光先进制造技术	郑启光	2004年	ISBN7-5609-2837-4
6	蓝绿激光雷达海洋探测	徐启阳, 杨坤涛	2002年	ISBN7-118-02817-7
7	现代实用光学系统	陈海清	2003年	ISBN7-5609-2939-7

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