

Masamori Endo

List of Publications by Year in descending order

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68
papers

535
citations

687363

13
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752698

20
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70
all docs

70
docs citations

70
times ranked

184
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical simulation of an optical resonator for generation of a doughnut-like laser beam. Optics Express, 2004, 12, 1959.	3.4	43
2	Azimuthally polarized 1 kW CO ₂ laser with a triple-axicon retroreflector optical resonator. Optics Letters, 2008, 33, 1771.	3.3	42
3	Output Power Enhancement of a Chemical Oxygen-Iodine Laser by Predissociated Iodine Injection. Japanese Journal of Applied Physics, 2000, 39, 468-474.	1.5	35
4	A fully planar solar pumped laser based on a luminescent solar collector. Communications Physics, 2020, 3, .	5.3	28
5	Output power characteristics of diode-pumped cesium vapor laser. Japanese Journal of Applied Physics, 2015, 54, 122701.	1.5	27
6	Low-concentrated solar-pumped laser via transverse excitation fiber-laser geometry. Optics Letters, 2017, 42, 3427.	3.3	25
7	Performance Characteristics of Power Build-Up Cavity for Raman Spectroscopic Measurement. Optical Review, 2003, 10, 342-345.	2.0	21
8	High-efficiency chemical oxygen-iodine laser using a streamwise vortex generator. Applied Physics Letters, 2004, 84, 2983-2985.	3.3	21
9	Numerical simulation of the w-axicon type optical resonator for coaxial slab CO ₂ lasers. Journal Physics D: Applied Physics, 2001, 34, 68-77.	2.8	16
10	Two-stage ejector based pressure recovery system for small scale SCOIL. Experimental Thermal and Fluid Science, 2006, 30, 415-426.	2.7	15
11	All-inorganic cesium lead halide perovskite nanocrystals for solar-pumped laser application. Journal of Applied Physics, 2020, 127, .	2.5	15
12	Development of a Mist Singlet Oxygen Generator. Japanese Journal of Applied Physics, 2002, 41, 5193-5197.	1.5	14
13	Optical characteristics of Cr ³⁺ and Nd ³⁺ codoped Y ₃ Al ₅ O ₁₂ ceramics. Optics and Laser Technology, 2010, 42, 610-616.	4.6	14
14	Trace Methane Detection Based on Raman Spectroscopy Using a High Finesse Optical Resonator. The Review of Laser Engineering, 2004, 32, 208-210.	0.0	14
15	High-pressure, high-efficiency operation of a chemical oxygen-iodine laser. Applied Physics Letters, 1999, 75, 3081-3083.	3.3	13
16	Performance Characteristics of Narrow Linewidth Fiber Laser Pumped Mid-IR Difference Frequency Mixing Light Source for Methane Detection. Japanese Journal of Applied Physics, 2003, 42, 1263-1267.	1.5	12
17	Development of Hybrid Simulation for Supersonic Chemical Oxygen-Iodine Laser. AIAA Journal, 2007, 45, 90-97.	2.6	12
18	Solar Pumping of Fiber Lasers with Solid-State Luminescent Concentrators: Design Optimization by Ray Tracing. Advanced Optical Materials, 2021, 9, 2100479.	7.3	10

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19	Parametric Studies on Improved Laser Cutting Performance of Magnesium Alloy with Two Flow Nozzles. Japanese Journal of Applied Physics, 2004, 43, 5347-5351.	1.5	9
20	An all gas-phase iodine laser based on amine chemistry. Chemical Physics Letters, 2009, 476, 25-27.	2.6	9
21	An all-gas-phase amine based iodine laser using molecular iodine as atomic iodine donor. Chemical Physics Letters, 2010, 485, 296-298.	2.6	8
22	Low-loss pigtail reflector for fiber lasers. Review of Scientific Instruments, 2017, 88, 053112.	1.3	8
23	Monte Carlo simulation of a transversely excited solar-pumped fiber laser. Japanese Journal of Applied Physics, 2019, 58, 112006.	1.5	8
24	Effect of the thermally excited lower laser level in a neodymium-doped fiber. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 736.	2.1	8
25	Positive Gain Observation in a Nd-Doped Active Fiber Pumped by Low-Concentrated Solar-Like Xenon Lamp. Japanese Journal of Applied Physics, 2012, 51, 022701.	1.5	8
26	Anomalous enhancement of drilling rate in carbon fiber reinforced plastic using azimuthally polarized CO ₂ laser. Laser Physics, 2016, 26, 096001.	1.2	7
27	Development of a Nitrogen Dioxide Gas Sensor Based on Mid-Infrared Absorption Spectroscopy.. The Review of Laser Engineering, 2003, 31, 151-155.	0.0	6
28	Simple Real Time Trace Nitrogen Dioxide Detector Based on Continuous-Wave Cavity Ringdown Spectroscopy Using Passively Locked External Cavity Diode Laser. Japanese Journal of Applied Physics, 2008, 47, 6478-6483.	1.5	6
29	<title>Sheet metal cutting with a 2 kW radially polarized CO ₂ laser</title>. Proceedings of SPIE, 2010, , .	0.8	6
30	Analysis of an optical resonator formed by a pair of specially shaped axicons. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 507.	1.5	6
31	Wave-optics simulation of diode-pumped cesium vapor laser coupled with a simplified gas-flow model. Japanese Journal of Applied Physics, 2018, 57, 092701.	1.5	6
32	Modeling of diode-pumped cesium vapor laser by combination of computational fluid dynamics and wave-optics. Japanese Journal of Applied Physics, 2020, 59, 022002.	1.5	6
33	Diode-pumped cesium vapor laser operated with various hydrocarbon gases and compared with numerical simulation. Optical Engineering, 2018, 57, 1.	1.0	6
34	Pulsed output generation in a diode-pumped cesium vapor laser using the cavity dumping technique. Optics Letters, 2019, 44, 1312.	3.3	5
35	Peak-power enhancement of a cavity-dumped cesium-vapor laser by using dual longitudinal-mode oscillations. Optics Express, 2020, 28, 33994.	3.4	5
36	Light Management for Enhancing Optical Gain in a Solar-Pumped Fiber Laser Employing a Solid-State Luminescent Solar Concentrator. Advanced Photonics Research, 2022, 3, .	3.6	5

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37	Characteristics of an all gas-phase iodine laser using molecular iodine as atomic iodine donor. Journal Physics D: Applied Physics, 2010, 43, 425203.	2.8	4
38	Two-Dimensional Simulation of and Experiments on the Forward-Backward Modes Coupled Unstable Resonator. Japanese Journal of Applied Physics, 2001, 40, 617-624.	1.5	3
39	Collisional mixing and quenching cross sections of Cs 6^2P levels with methane, ethane, and propane. Optics Express, 2021, 29, 42887.	3.4	3
40	Diode pumped alkali laser: current status and prospects. Optical and Quantum Electronics, 2022, 54, .	3.3	3
41	Waveform Shaping of a Chemical Oxygen-Iodine Laser Utilizing the Zeeman Effect. Japanese Journal of Applied Physics, 1999, 38, 5105-5108.	1.5	2
42	Numerical Simulation of a Mist Singlet Oxygen Generator. Japanese Journal of Applied Physics, 2002, 41, 125-133.	1.5	2
43	Removal of Water Vapor in a Mist Singlet Oxygen Generator for Chemical Oxygen Iodine Laser. Japanese Journal of Applied Physics, 2004, 43, 567-570.	1.5	2
44	Trace NO_2 detection based on differential cavity ringdown spectroscopy using a dual wavelength passively locked external cavity diode laser. , 2006, , .		2
45	Doughnut Like Beam Generation by a W-Axicon Resonator with Variable Geometry. Japanese Journal of Applied Physics, 2007, 46, 593-596.	1.5	2
46	Performance characteristics of a compact cylindrical multi-pass cell for laser absorption based trace gas sensor. , 2007, , .		2
47	Possible repetitive pulse operation of diode-pumped alkali laser (DPAL). Proceedings of SPIE, 2017, , .	0.8	2
48	Scalable pump beam arrangement for diode pumped alkali lasers. , 2018, , .		2
49	Generation of Doughnut-Like Beams by Means of a W-axicon Resonator with a Movable Axicon Element. , 0, , .		1
50	Measurements of NO_2 Concentration with Wide Dynamic Range Based on Laser Absorption Spectroscopy Using a Multi-Pass Optical Cell. The Review of Laser Engineering, 2006, 34, 246-250.	0.0	1
51	Solar-pumped fiber laser with all-inorganic cesium lead halide perovskite quantum dots. , 2019, , .		1
52	Chemical oxygen-iodine laser for decommissioning and dismantlement of nuclear facilities.. Journal of Advanced Science, 2000, 12, 146-147.	0.1	1
53	Parametric study of a mist jet-singlet oxygen generator.. Journal of Advanced Science, 2000, 12, 136-137.	0.1	1
54	Cutting and Drilling of Inorganic Materials for Civil Engineering Using a Chemical Oxygen-Iodine Laser.. The Review of Laser Engineering, 2000, 28, 171-175.	0.0	1

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55	Parametric study of a mist-singlet oxygen generator. II.. Journal of Advanced Science, 2001, 13, 88-89.	0.1	0
56	An ultra-compact NO ₂ detector based on cavity ringdown spectroscopy using a laser diode pumped power build-up cavity. , 0, , .		0
57	Supersonic chemical oxygen iodine laser with microwave discharge dissociation of iodine molecule.. Journal of Advanced Science, 2000, 12, 138-139.	0.1	0
58	Parametric study of a mist-singlet oxygen generator. III.. Journal of Advanced Science, 2002, 14, 89-90.	0.1	0
59	Performance Comparison of Real-Time Laser Absorption Spectrometers for NH ₃ Detection at 1.54 and 3.031 $\frac{1}{4}$ m in a H ₂ O Vapor Mixture. The Review of Laser Engineering, 2007, 35, 173-179.	0.0	0
60	Compact diode laser trace gas system with an optical fiber coupled flexible high-finesse external cavity based on cavity ringdown spectroscopy. , 2008, , .		0
61	Report of 8th International Symposium on gas flow and chemical lasers. II.. The Review of Laser Engineering, 1990, 18, 1024-1030.	0.0	0
62	Output power control of the chemical oxygen-iodine laser with an external magnetic field.. Journal of Advanced Science, 1998, 10, 148-149.	0.1	0
63	Performance of jet type singlet oxygen generator of supersonic COIL for optical power system.. Journal of Advanced Science, 1998, 10, 152-153.	0.1	0
64	High-efficiency operation of supersonic COIL using nitrogen as buffer gas for optical power system.. Journal of Advanced Science, 1998, 10, 150-151.	0.1	0
65	High peak power pulse generation of the Chemical OxygenIodine Laser with an External Magnetic Field.. Journal of Advanced Science, 1999, 11, 144-145.	0.1	0
66	High pressure operation of Chemical Oxygen Iodine Laser.. Journal of Advanced Science, 1999, 11, 142-143.	0.1	0
67	Solar-pumped fiber laser with transverse-excitation geometry. , 2018, , .		0
68	Investigation of diode-pumped alkali lasers and their computational model calculationse. , 2018, , .		0