Kazuyoku Tei

List of Publications by Year
in descending order

84	206	1307594 7	1199594 12
papers	citations	h-index	g-index

84	84	84	121
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	1.4-MHz repetition rate electro-optic Q-switched Nd:YVO_4 laser. Optics Express, 2008, 16, 16729.	3.4	23
2	Nd:YAG oscillatorâ€“amplifier system with a passive ring self-pumped phase-conjugate mirror. Optics Letters, 2000, 25, 481.	3.3	22
3	Diode-pumped 250-W zigzag slab Nd:YAG oscillatorâ€“amplifier system. Optics Letters, 1998, 23, 514.	3.3	21
4	High-peak-power second-harmonic generation of single-stage Yb-doped fiber amplifiers. Optical Review, 2008, 15, 136-139.	2.0	10
5	Efficient UV generation of a Yb-fiber MOPA producing high peak power for pulse durations of from 100 ps to 2 ns. Optics Express, 2013, 21, 25864.	3.4	10
6	High-repetition rate 1-J green laser system. Applied Optics, 1999, 38, 4548.	2.1	9
7	Extraction of Methane from Methane Hydrate Using Lasers. Japanese Journal of Applied Physics, 2003, 42, 5648-5651.	1.5	9
8	Modeling of crossflow jet-type singlet oxygen generator. Journal of Applied Physics, 2005, 97, 114905.	2.5	7
9	Temperature Analysis of Laser Gain Plasma Medium in a Slab-Type RF Discharge Excited CO2Laser Using Near Infrared Diode-Laser Absorption Spectroscopy. Japanese Journal of Applied Physics, 2010, 49, 116101.	1.5	7
10	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
11	Cutting Technique for Civil Engineering Using a High-Power Laser. The Review of Laser Engineering, 2008, 36, 1203-1205.	0.0	6
12	Closed-loop wavefront correction of Ti:sapphire chirped pulse amplification laser beam. , 1998, , .		5
13	Ring Self-Pumped Phase Conjugator for High Energy Pulses at 1064 nm with Rhodium-Doped BaTiO3. Japanese Journal of Applied Physics, 1999, 38, 5885-5887.	1.5	5
14	High-repetition-rate 2-J Nd:YAG oscillator-amplifier system. Optical Engineering, 2000, 39, 320.	1.0	5
15	Development of a prototype COIL for decommissioning and dismantlement. , 2001, 4184, 23.		5
16	Suppression of stimulated Brillouin scattering in optical fibers using a stepwise optical frequency pulse train. Optics Express, 2020, 28, 17793.	3.4	5
17	Concrete cutting using high-power fiber laser. , 2006, , .		4
18	Photorefractive two-wave mixing between phase-modulated beams. Optics Communications, 1994, 107, 133-136.	2.1	3

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19	Comparison Study of Subsonic and Transonic Mixing in a Multi-Kw Grid-Nozzle Supersonic Chemical Oxygen Iodine Laser. Japanese Journal of Applied Physics, 2005, 44, 3032-3036.	1.5	3
20	High-Pressure Nozzle Bank for a Chemical Oxygen Iodine Laser. Japanese Journal of Applied Physics, 2005, 44, 900-904.	1.5	3
21	Laser based hybrid technique for civil engineering. Proceedings of SPIE, 2008, , .	0.8	3
22	High-pressure pulsed COIL assisted with an instantaneous production of atomic iodine. , 2001, 4184, 124.		2
23	Thermal analysis of COIL. , 2004, 5334, 192.		2
24	Performance measurements of a cross flow jet SOG for chemical oxygen iodine laser. , 2004, , .		2
25	Analysis of Heat Release from Gain Medium of Chemical Oxygen Iodine Laser. Japanese Journal of Applied Physics, 2005, 44, 895-899.	1.5	2
26	Excavation of methane hydrate using COIL. , 2006, , .		2
27	Development of High Repetition Rate Pulsed Fiber Laser. The Review of Laser Engineering, 2010, 38, 903-908.	0.0	2
28	A Pulsed Laser-Electromagnetic Hybrid Accelerator For Space Propulsion Application. AIP Conference Proceedings, 2010, , .	0.4	2
29	Compression of picosecond pulses with a chirped volume Bragg grating. , 2012, , .		2
30	High temperature heat source generation with quasi-continuous wave semiconductor lasers at power levels of 6ÂW for medical use. Journal of Biomedical Optics, 2014, 19, 101502.	2.6	2
31	An Experimental Study on Micro-Bubble Generation by Laser-Induced Breakdown in Water. The Review of Laser Engineering, 2008, 36, 1273-1275.	0.0	2
32	LD-pumped 0.62-J 105-W Nd:YAG green laser. , 1998, 3265, 212.		1
33	Photorefractive phase conjugator for Nd:YAG laser system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 455, 244-246.	1.6	1
34	Parametric gain measurement in grid nozzle multi-kW supersonic COIL. , 2003, , .		1
35	Experimental and Theoretical Investigation of Laser Medium in a Grid-Nozzle Multi-Kw Supersonic Chemical Oxygen Iodine Laser. Japanese Journal of Applied Physics, 2004, 43, 6088-6092.	1.5	1
36	High-peak-power pulse amplification using Yb-doped double-clad fiber. , 2007, , .		1

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37	Measurement of cutting performance of high-power laser on concrete. , 2007, , .		1
38	<title>Development of a laser-based hybrid drill for concrete and rocks</title>. , 2010, , .		1
39	Linearly polarized 100-kW-Peak-power pulsed fiber laser with a novel master oscillator. Optical Review, 2010, 17, 50-53.	2.0	1
40	A study on stabilization of phase-drift in a high-extinction guided-wave intensity modulator. , 2011, , .		1
41	Enhancing dynamic extinction ratio of a fiber-based seed source. , 2012, , .		1
42	A study of trace gas detection based on cavity enhanced absorption spectroscopy (CEAS) for power transformer diagnosis. , 2013, , .		1
43	Compression of chirp pulses from a femtosecond fiber based amplifier. Proceedings of SPIE, 2015, , .	0.8	1
44	Performance characteristics of a passively locked cavity-enhanced absorption spectrometer with wideband-tunable multimode near-infrared light source. Japanese Journal of Applied Physics, 2016, 55, 032401.	1.5	1
45	Tunable pulse width and multi-megawatt peak-power pulses from a nonlinearly compressed monolithic fiber MOPA system. , 2016, , .		1
46	Chemical oxygen-iodine laser for decommissioning and dismantlement of nuclear facilities.. Journal of Advanced Science, 2000, 12, 146-147.	0.1	1
47	Extraction of Self-Diffraction Wave in Photorefractive Bi12SiO20 Crystals. Optical Review, 1997, 4, 683-685.	2.0	0
48	Stimulated Brillouin scattering in multimode optical fibers. , 2001, , .		0
49	Characteristics of prototype mist singlet-oxygen generator for COIL. , 2005, , .		0
50	A new high-pressure nozzle bank based on trip-jet mixing system. , 2005, , .		0
51	Advanced COIL technologies for field applications. , 2005, , .		0
52	Optimization of jet-type singlet-oxygen generator for ejector-COIL. , 2005, , .		0
53	Chemical oxygen-iodine laser technologies for methane hydrate. , 2005, , .		0
54	Development of extraction tools for methane from methane hydrate using COIL. , 2005, , .		0

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55	Suppression of Optical Damage to the Surface of High-Energy Q-Switched Ruby Laser Rod for Medical Use. The Review of Laser Engineering, 2005, 33, 681-684.	0.0	0
56	High Repetition Frequency EO-Q-Switched Nd-Doped Vanadate Laser. , 2007, , .		0
57	High-peak power pulse amplification using Yb doped fiber and second harmonic generation. , 2007, , .		0
58	Observation of Micro-Bubbles Generated by Laser-Induced Breakdown in Water. , 2007, , .		0
59	Ejector Chemical Oxygenâ€“Iodine Laser with Supersonic Nozzle Bank Based on a Trip-Jet Mixing System. Japanese Journal of Applied Physics, 2008, 47, 3486-3488.	1.5	0
60	Parametric study of a laser-based hybrid drill for concrete. , 2011, , .		0
61	Measurement of CO<inf>2</inf> temperature using DFG (difference frequency generation) of 2.7μm band. , 2011, , .		0
62	Linearly polarized 100kW peak power pulsed fiber laser. , 2011, , .		0
63	Reserch on picosecond passively Q-switched microchip laser. , 2012, , .		0
64	Spectroscopic measurements of fiber tip heat source excited by a semiconductor laser. , 2013, , .		0
65	High temperature heat source generation with a very low power level quasi-cw(continuous wave) semiconductor laser for medical use. , 2013, , .		0
66	Development of A Semiconductor Laser Based High Temperature Fine Thermal Energy Source in an Optical Fiber Tip for Clinical Applications. Japanese Journal of Applied Physics, 2013, 52, 052501.	1.5	0
67	75kW peak power 50ps pulsed fiber laser system. , 2013, , .		0
68	Compression of chirp pulses from a picosecond fiber based amplifier. , 2013, , .		0
69	Monolithic Polarization-maintaining Amplifier Based on Chirally Coupled Core Fibers. , 2014, , .		0
70	Sensitive oxygen detection using second harmonic generation of a telecommunication band semiconductor laser. , 2015, , .		0
71	Polarization-maintaining amplifier based on 3C fiber structures. Proceedings of SPIE, 2015, , .	0.8	0
72	Numerical and experimental analysis of spectral broadening in picosecond multi-stage fiber amplifier. , 2017, , .		0

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73	Absorption line measurement of ¹²C¹⁸O<inf>2</inf> using a broadly tunable DFB laser diode array. , 2017, , .		0
74	Photoacoustic spectroscopy using remote optical measurement system. , 2017, , .		0
75	Development of ultrashort pulse fiber CPA system. , 2017, , .		0
76	Real time sensing of 12CO<inf>2</inf> and 13CO<inf>2</inf> using 2Î¼m DFB-LD. , 2017, , .		0
77	High power solid-state laser with photorefractive phase conjugate mirror. The Review of Laser Engineering, 2001, 29, 35-36.	0.0	0
78	Photorefractive Materials and Their Applications. High-Power Nd:YAG laser Using Ring Self-Pumped Phase Conjugate Mirror.. The Review of Laser Engineering, 2002, 30, 182-184.	0.0	0
79	Laser Pulse Compression and Amplification by Stimulated Backward Raman Scattering of Ba(NO3)2 and CaCO3 Crystals. The Review of Laser Engineering, 2003, 31, 854-859.	0.0	0
80	Transmission of Multi-kW Laser Power through 1km Glass Fibers. The Review of Laser Engineering, 2007, 35, 654-656.	0.0	0
81	10W green output by second harmonic generation of a hybrid bulk-fiber MOPA system. , 2008, , .		0
82	Remote Photo-Acoustic Spectroscopy (PAS) with an Optical Pickup Microphone. , 2017, , .		0
83	Hybrid fiber MOPA-bulk amplifier system. , 2018, , .		0
84	Stimulated Brillouin scattering thresholds of pulses in optical fibers. , 2022, , .		0