Takahisa Jitsuno

List of Publications by Year
in descending order

36	257	1163117 8	940533 16
papers	citations	h-index	g-index

36	36	36	273
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fabrication of disk-shaped, deuterated resorcinol/formaldehyde foam target for laserâ€“plasma experiments. High Power Laser Science and Engineering, 2021, 9, .	4.6	2
2	Hot Electron and Ion Spectra in Axial and Transverse Laser Irradiation in the GXII-LFEX Direct Fast Ignition Experiment. Plasma and Fusion Research, 2021, 16, 2404076-2404076.	0.7	2
3	Longitudinally excited N2 laser with large-diameter discharge tube. Review of Scientific Instruments, 2017, 88, 043106.	1.3	4
4	Relaxation of Surface Tension Waves on a Liquid Metal Mirror for a Fast-Ignition Laser Fusion Plant. Fusion Science and Technology, 2016, 70, 417-422.	1.1	1
5	Fast ignition realization experiment with high-contrast kilo-joule peta-watt LFEX laser and strong external magnetic field. Physics of Plasmas, 2016, 23, .	1.9	54
6	Wide aperture piezoceramic deformable mirrors for aberration correction in high-power lasers. High Power Laser Science and Engineering, 2016, 4, .	4.6	29
7	Heating efficiency evaluation with mimicking plasma conditions of integrated fast-ignition experiment. Physical Review E, 2015, 91, 063102.	2.1	23
8	High-Intensity Neutron Generation via Laser-Driven Photonuclear Reaction. Plasma and Fusion Research, 2015, 10, 2404003-2404003.	0.7	23
9	Energy Transportation by MeV Hot Electrons in Fast Ignition Plasma Driven with LFEX PW Laser. Plasma and Fusion Research, 2014, 9, 1404118-1404118.	0.7	0
10	Comparison of modified driver circuit and capacitor-transfer circuit in longitudinally excited N2 laser. Review of Scientific Instruments, 2013, 84, 043103.	1.3	7
11	Fast Discharge Circuit for Longitudinally Excited CO2 Laser. Journal of Infrared, Millimeter, and Terahertz Waves, 2013, 34, 217-224.	2.2	17
12	Relation Between Discharge Length and Laser Pulse Characteristics in Longitudinally Excited CO2 Laser. Journal of Infrared, Millimeter, and Terahertz Waves, 2013, 34, 225-230.	2.2	6
13	Simple Short-Pulse CO2 Laser Excited by Longitudinal Discharge without High-Voltage Switch. Journal of Infrared, Millimeter, and Terahertz Waves, 2012, 33, 485-490.	2.2	4
14	Temperature Dependences of Laser-Induced Damage Resistance for Dielectric Materials. IEEJ Transactions on Electronics, Information and Systems, 2012, 132, 83-88.	0.2	0
15	Measurements of Nonlinear Refractive Indices for Silica Glass Using Z-Scan Method. The Review of Laser Engineering, 2011, 39, 927-930.	0.0	0
16	Temperature Dependence of Optical Properties in Ce:YAG Ceramics. The Review of Laser Engineering, 2010, 38, 382-385.	0.0	0
17	Laser-Induced Damage Threshold in Silica Glasses. The Review of Laser Engineering, 2010, 38, 458-461.	0.0	0
18	Temperature Dependence of Damage Thresholds in Silica Glasses with UV Laser. The Review of Laser Engineering, 2010, 38, 620-623.	0.0	0

#	Article	IF	Citations
19	Longitudinally Excited CO2 Laser with Short Laser Pulse like TEA CO2 Laser. Journal of Infrared, Millimeter, and Terahertz Waves, 2009, 30, 1123-1130.	2.2	12
20	Waveform Control and Wavefront Correction of A Large-Aperture High-Energy Glass Laser System. The Review of Laser Engineering, 2009, 37, 455-460.	0.0	3
21	Precise Beam Focusing with Violet Laser Diode and Color Micro-Marking on Fiber. Journal of Fiber Science and Technology, 2009, 65, 88-92.	0.0	0
22	Tinting of Plastic Eyeglass Lens using Laser. Journal of Fiber Science and Technology, 2009, 65, 282-286.	0.0	0
23	Wavefront Correction of Violet Laser Diode and Color Micro-marking on Plastic Surface. The Review of Laser Engineering, 2008, 36, 1180-1183.	0.0	0
24	Red-F* Laser and VUV-F2 Emission Pumped at Low Pressure by Longitudinal, Lamp-Like Discharge. Plasma and Fusion Research, 2008, 3, 037-037.	0.7	2
25	Wave-front Correction of Single-mode Laser Diode for Precise Focusing. IEEJ Transactions on Electronics, Information and Systems, 2005, 125, 240-246.	0.2	0
26	Precise Beam Shaping of Diode Laser Direct Application of LD Light for Material Processing. The Review of Laser Engineering, 2003, 31, 330-336.	0.0	2
27	Two-Dimensional Multi-Lens Array with Circular Aperture Spherical Lens for Flat-Top Irradiation of Inertial Confinement Fusion Target. Optical Review, 2000, 7, 216-220.	2.0	41
28	UV Laser Ablative Figuring of Optical Elements.. The Review of Laser Engineering, 2000, 28, 29-33.	0.0	0
29	Driver Technology for Inertial Fusion Research Introduction. Journal of Plasma and Fusion Research, 1999, 75, 104-104.	0.4	0
30	Mitigation of Diffraction Fringe in Quasi-Far Field Pattern Using an Edge-Shaped Plate. Optical Review, 1998, 5, 39-42.	2.0	2
31	Improvement of Laser-Beam Irradiation-Intensity Distribution Using Multi Lens Array and Edge-Shaped Plates. Optical Review, 1998, 5, 285-290.	2.0	5
32	Cryogenic deuterium target experiments with the GEKKO XII, green laser system. Physics of Plasmas, 1995, 2, 2495-2503.	1.9	18
33	CLEO/QELS '92 REPORT III. Gas Lasers, X-ray Lasers, Laser Fusion, Laser Spectroscopy.. The Review of Laser Engineering, 1992, 20, 572-587.	0.0	0
34	Third Harmonic Conversion in High Power Glass Laser for Fusion.. The Review of Laser Engineering, 1992, 20, 259-266.	0.0	0
35	Solid State Laser. KakuyÅ«gÅ•KenkyÅ«, 1987, 58, 448-463.	0.1	0
36	Present Status and Future Prospects of High Power Lasers and Particle Beams for Inertial Confinement Fusion. The Review of Laser Engineering, 1986, 14, 1018-1044.	0.0	0