

Kazuo Hasegawa

List of Publications by Year in descending order

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37
papers

508
citations

687363

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all docs

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docs citations

37
times ranked

473
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy transfer efficiency from Cr ³⁺ to Nd ³⁺ in Cr, Nd YAG ceramics laser media in a solar-pumped laser in operation outdoors. <i>Optical Materials</i> , 2020, 110, 110481.	3.6	8
2	Effect of Cr content on the output of a solar-pumped laser employing a Cr-doped Nd:YAG ceramic laser medium operating in sunlight. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 062007.	1.5	10
3	The Japanese Lung Cancer Society Guideline for non-small cell lung cancer, stage IV. <i>International Journal of Clinical Oncology</i> , 2019, 24, 731-770.	2.2	100
4	Continuous oscillation of a compact solar-pumped Cr, Nd-doped YAG ceramic rod laser for more than 6.5h tracking the sun. <i>Solar Energy</i> , 2019, 177, 440-447.	6.1	14
5	Crystalline silicon photovoltaic cells used for power transmission from solar-pumped lasers: I. Light trapping concepts. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 08RF05.	1.5	1
6	Lasing characteristics of refractive-index-matched composite Y ₃ Al ₅ O ₁₂ rods employing transparent ceramics for solar-pumped lasers. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 042701.	1.5	21
7	Laser oscillation of Nd via energy transfer process from Cr to Nd in substitutional disordered garnet crystals codoped with Nd and Cr. <i>Journal of Luminescence</i> , 2018, 202, 393-402.	3.1	3
8	Fabrication of a laser cavity mirror in a large mode area fiber by an ultrashort pulse laser. <i>Applied Optics</i> , 2018, 57, 7314.	1.8	1
9	Concept of the solar-pumped laser-photovoltaics combined system and its application to laser beam power feeding to electric vehicles. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 08MA07.	1.5	30
10	Fabrication of long-period fiber gratings using end-coupled ultrafast laser pulses. <i>Optics Express</i> , 2017, 25, 11340.	3.4	0
11	Energy transfer from Cr to Nd in substitutional crystal Y ₃ Ga _x Al _{5-x} O ₁₂ codoped with Nd and Cr. <i>Journal of Luminescence</i> , 2016, 169, 65-71.	3.1	4
12	Formation of Through Holes in Glass Substrates by Laser-Assisted Etching. <i>Journal of Laser Micro Nanoengineering</i> , 2016, 11, 143-146.	0.1	5
13	Optimal design of bandpass filters to reduce emission from photovoltaic cells under monochromatic illumination. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 08KA05.	1.5	0
14	Consideration of coordinated solar tracking of an array of compact solar-pumped lasers combined with photovoltaic cells for electricity generation. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 08KE04.	1.5	12
15	Energy transfer efficiency from Cr ³⁺ to Nd ³⁺ in solar-pumped laser using transparent Nd/Cr:Y ₃ Al ₅ O ₁₂ ceramics. <i>Optics Express</i> , 2015, 23, A519.	3.4	26
16	Solar-pumped Laser and its Application to Energy Conversion. , 2014, , .		0
17	Light trapping for emission from a photovoltaic cell under normally incident monochromatic illumination. <i>Journal of Applied Physics</i> , 2014, 116, 124506.	2.5	11
18	Silicon photovoltaic cells coupled with solar-pumped fiber lasers emitting at 1064nm. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	31

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19	Optical characterization of Er-doped glasses for solar-pumped laser applications. Proceedings of SPIE, 2013, , .	0.8	0
20	Laser emission from a solar-pumped fiber. Optics Express, 2012, 20, 5891.	3.4	58
21	Energy transfer from Ce to Nd in $Y_{3-x}Al_xO_{12}$ ceramics. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 2300-2303.	0.8	17
22	Formation probability of Cr-Nd pair and energy transfer from Cr to Nd in $Y_3Al_5O_{12}$ ceramics codoped with Nd and Cr. Journal of Applied Physics, 2012, 112, 063508.	2.5	31
23	Spectroscopic investigation of Nd^{3+} -doped ZBLAN glass for solar-pumped lasers. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 2001.	2.1	14
24	Spectroscopic properties of Er doped and Er, Nd codoped fluoride glasses under simulated sunlight illumination. Optical Materials, 2011, 33, 1958-1963.	3.6	8
25	Quantum efficiency of Nd^{3+} -doped glasses under sunlight excitation. Optical Materials, 2011, 33, 1952-1957.	3.6	12
26	Spectroscopic properties of Nd^{3+} -doped ZBLAN glass for solar pumped lasers. , 2011, , .		1
27	The efficiencies of energy transfer from Cr to Nd ions in silicate glasses. Proceedings of SPIE, 2010, , .	0.8	3
28	Excitation wavelength dependence of quantum efficiencies of Nd-doped glasses for solar pumped fiber lasers. , 2010, , .		3
29	Quantum efficiency measurements on Nd-doped glasses for solar pumped lasers. Journal of Non-Crystalline Solids, 2010, 356, 2344-2349.	3.1	25
30	A Direct Diode Laser System Using a Planar Lightwave Circuit. Japanese Journal of Applied Physics, 2008, 47, 6760-6766.	1.5	1
31	High power direct diode laser optical system by planar lightwave circuit modules. , 2008, , .		0
32	Simultaneous fabrication of optical channel waveguides and out-of-plane branching mirrors from a polymeric slab structure. Applied Optics, 1997, 36, 7700.	2.1	16
33	Optical fibre laser Doppler velocimetry based on laser diode frequency modulation. Optics and Laser Technology, 1995, 27, xii.	4.6	0
34	Optical mode conversion by magnetostatic surface waves in multilayered waveguides. Electronics and Communications in Japan, 1993, 76, 42-50.	0.2	0
35	Magneto-Optic Devices using Interaction between Magnetostatic Surface Wave and Optical Guided Wave. Japanese Journal of Applied Physics, 1992, 31, 230.	1.5	27
36	Characteristics of Magnetostatic Surface Wave Waveguides for Optical Devices. Japanese Journal of Applied Physics, 1991, 30, 188.	1.5	3

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37	Characteristics of Integrated Optical Devices Using Magnetostatic Surface Waves. Japanese Journal of Applied Physics, 1990, 29, 270.	1.5	12