

Hiroyuki Wada

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

683
citations

623734

14
h-index

610901

24
g-index

59
all docs

59
docs citations

59
times ranked

774
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical Properties of ZnO Nanoparticles Capped with Polymers. <i>Materials</i> , 2011, 4, 1132-1143.	2.9	105
2	Demonstration of long-term reliability of a 266-nm, continuous-wave, frequency-quadrupled solid-state laser using BaB_2O_4 . <i>Optics Letters</i> , 1998, 23, 195.	3.3	42
3	Upconversion properties of $\text{Y}_2\text{O}_3:\text{Er},\text{Yb}$ nanoparticles prepared by laser ablation in water. <i>Journal of Luminescence</i> , 2013, 137, 220-224.	3.1	42
4	Preparation of long-afterglow colloidal solution of $\text{Sr}_2\text{MgSi}_2\text{O}_7:\text{Eu}^{2+},\text{Dy}^{3+}$ by laser ablation in liquid. <i>Applied Surface Science</i> , 2011, 257, 2170-2175.	6.1	40
5	Facile and Chemically Pure Preparation of $\text{YVO}_4:\text{Eu}^{3+}$ Colloid with Novel Nanostructure via Laser Ablation in Water. <i>Scientific Reports</i> , 2016, 6, 20507.	3.3	38
6	Laser Wavelength Effect on Size and Morphology of Silicon Nanoparticles Prepared by Laser Ablation in Liquid. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 025001.	1.5	37
7	Preparation of $\text{Y}_2\text{O}_3:\text{Er},\text{Yb}$ nanoparticles by laser ablation in liquid. <i>Applied Surface Science</i> , 2012, 261, 118-122.	6.1	33
8	The effect of energy density on yield of silicon nanoparticles prepared by pulsed laser ablation in liquid. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 117, 131-135.	2.3	24
9	Photodynamic therapy using upconversion nanoparticles prepared by laser ablation in liquid. <i>Applied Surface Science</i> , 2015, 348, 54-59.	6.1	24
10	Morphology and optical properties of $\text{YVO}_4:\text{Eu}^{3+}$ nanoparticles fabricated by laser ablation in ethanol. <i>Applied Surface Science</i> , 2017, 425, 689-695.	6.1	24
11	Facile preparation of $\text{YAG}:\text{Ce}$ nanoparticles by laser irradiation in water and their optical properties. <i>SpringerPlus</i> , 2016, 5, 325.	1.2	19
12	One-step preparation of $\text{YVO}_4:\text{Eu}^{3+}$ nanoparticles by pulsed laser ablation. <i>Journal of Alloys and Compounds</i> , 2016, 683, 1-6.	5.5	18
13	Process for High Speed Micro Electro Mechanical Systems (MEMS) Scanning Mirrors with Vertical Comb Drives. <i>Japanese Journal of Applied Physics</i> , 2002, 41, L899-L901.	1.5	16
14	Optical properties of highly crystalline $\text{Y}_2\text{O}_3:\text{Er},\text{Yb}$ nanoparticles prepared by laser ablation in water. <i>Materials Research Express</i> , 2014, 1, 035043.	1.6	16
15	Fabrication of nanoscale $\text{Ca}^{1+}\text{-SiAlON}:\text{Eu}^{2+}$ phosphor by laser ablation in water. <i>Applied Physics Express</i> , 2015, 8, 115001.	2.4	16
16	Comparison of picosecond and nanosecond lasers for the synthesis of TiN sub-micrometer spherical particles by pulsed laser melting in liquid. <i>Applied Physics Express</i> , 2018, 11, 035001.	2.4	16
17	Effects of Laser Energy Density on Silicon Nanoparticles Produced Using Laser Ablation in Liquid. <i>Journal of Physics: Conference Series</i> , 2013, 441, 012035.	0.4	14
18	Preparation of spherical particles by laser melting in liquid using TiN as a raw material. <i>Applied Physics B: Lasers and Optics</i> , 2015, 119, 475-483.	2.2	13

#	ARTICLE	IF	CITATIONS
19	Optical Properties of Afterglow Nanoparticles : , Capped with Polyethylene Glycol. Advances in Optical Technologies, 2012, 2012, 1-6.	0.8	11
20	Optical Characterization of High Speed Scanning Micromirrors with Vertical Combdrives. Japanese Journal of Applied Physics, 2002, 41, L1169-L1171.	1.5	8
21	Preparation of SiO ₂ -Capped Sr ₂ MgSi ₂ O ₇ :Eu,Dy Nanoparticles with Laser Ablation in Liquid. Journal of Nanotechnology, 2012, 2012, 1-6.	3.4	8
22	Process stages during solution combustion synthesis of strontium aluminates. International Journal of Self-Propagating High-Temperature Synthesis, 2013, 22, 151-156.	0.5	8
23	Photovoltaic properties of Si-based quantum-dot-sensitized solar cells prepared using laser plasma in liquid. Japanese Journal of Applied Physics, 2014, 53, 010208.	1.5	8
24	Preparation of Si nanoparticles by laser ablation in liquid and their application as photovoltaic material in quantum dot sensitized solar cell. Journal of Physics: Conference Series, 2014, 518, 012023.	0.4	8
25	Fabrication of naphthalocyanine nanoparticles by laser ablation in liquid and application to contrast agents for photoacoustic imaging. Japanese Journal of Applied Physics, 2018, 57, 035001.	1.5	8
26	Increase in the fluorescence intensity of ZnO nanoparticle by laser irradiation. Materials Letters, 2008, 62, 3407-3409.	2.6	7
27	Surface modification of Y ₂ O ₃ :Er,Yb upconversion nanoparticles prepared by laser ablation in water. Japanese Journal of Applied Physics, 2014, 53, 05FK04.	1.5	7
28	Effect of sintering temperature on the characteristics of ceramic hollow spheres produced by sacrificial template technique. Ceramics International, 2016, 42, 8409-8412.	4.8	7
29	Optical properties of silica-coated Y ₂ O ₃ :Er,Yb nanoparticles in the presence of polyvinylpyrrolidone. Journal of Luminescence, 2014, 156, 8-15.	3.1	6
30	Laser-induced growth of YVO ₄ :Eu ³⁺ nanoparticles from sequential flowing aqueous suspension. RSC Advances, 2017, 7, 9002-9008.	3.6	6
31	Properties of Ce ³⁺ -Doped Y ₃ Al ₅ O ₁₂ Phosphor Nanoparticles Formed by Laser Ablation in Liquid. ECS Journal of Solid State Science and Technology, 2018, 7, R63-R69.	1.8	6
32	Reliability of Czochralski-grown B-BaB ₂ O ₄ (BBO) devices. , 1998, , .		4
33	Optical Properties of Laser-Irradiated ZnO Nanoparticles in 2-Propanol. Japanese Journal of Applied Physics, 2010, 49, 052602.	1.5	4
34	Preparation of silicon naphthalocyanine nanoparticles by laser ablation in liquid and their optical properties. Japanese Journal of Applied Physics, 2019, 58, 128002.	1.5	4
35	Preparation of spherical upconversion nanoparticles NaYF ₄ :Yb,Er by laser ablation in liquid and optical properties. Journal of Laser Applications, 2020, 32, .	1.7	4
36	Fabrication of Magnetic $\hat{\pm}$ -Fe ₂ O ₃ /Fe ₃ O ₄ Composite Particles by Nanosecond Laser Irradiation of $\hat{\pm}$ -Fe ₂ O ₃ Powder in Water. Chemistry Letters, 2020, 49, 413-415.	1.3	4

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37	Volume combustion synthesis of NiAl as applied to ceramics joining. International Journal of Self-Propagating High-Temperature Synthesis, 2011, 20, 94-99.	0.5	3
38	The Role of a Macro-Economic Model for Disaster Risk Reduction Policy in Developing Countries. Journal of Integrated Disaster Risk Management, 2014, 4, 12-29.	0.3	3
39	Laser Ablation in Liquids for Nanomaterial Synthesis and Applications. , 2021, , 1481-1515.		3
40	Bonding of Two Silicon Layers above a Gap to Fabricate a Fast Scanning Micromirror. Japanese Journal of Applied Physics, 2004, 43, L50-L52.	1.5	2
41	Measurement and Analysis of Cavity Loss of a 266 nm Continuous-Wave Solid-State Laser. Japanese Journal of Applied Physics, 2004, 43, L393-L395.	1.5	2
42	Preparation and Optical Properties of Rare Earth Doped $Y_{2}O_{3}$ Nanoparticles Synthesized by Thermal Decomposition with Oleic Acid. Advanced Materials Research, 2011, 332-334, 1974-1978.	0.3	2
43	NiO-Al combustion synthesis as applied to joining $Al_{2}O_{3}$ ceramics. International Journal of Self-Propagating High-Temperature Synthesis, 2012, 21, 146-150.	0.5	2
44	Encapsulation of solutions for controlling heat transfer. Powder Technology, 2014, 268, 387-391.	4.2	2
45	Photon-Avalanche Effect of $Y_{2}O_{3}:Er,Yb$ Nanoparticles Prepared by Laser Ablation in Liquid. Transactions of the Materials Research Society of Japan, 2013, 38, 317-320.	0.2	2
46	<title>Progress in all-solid-state deep-ultraviolet coherent light sources</title>. , 1996, , .		1
47	Snap Down Voltage of a Fast-Scanning Micromirror with Vertical Electrostatic Combdrives. Japanese Journal of Applied Physics, 2004, 43, L284-L286.	1.5	1
48	Fabrication of Langmuir-Blodgett Film of Surface-Modified ZnO Nanoparticles Prepared by Solution Process. Transactions of the Materials Research Society of Japan, 2016, 41, 67-70.	0.2	1
49	NIR-responsive upconversion nanoparticles/anatase TiO_{2} composite aerogel. Japanese Journal of Applied Physics, 2018, 57, 02CC03.	1.5	1
50	Observation of photoluminescence from $YVO_{4}:Eu^{3+}$ nanoparticles produced in laser ablation in water. Applied Physics Express, 2020, 13, 075008.	2.4	1
51	Laser Ablation in Liquids for Nanomaterial Synthesis and Applications. , 2021, , 1-35.		1
52	Preparation of InP Nanoparticles by Laser Ablation in Liquid. The Review of Laser Engineering, 2012, 40, 117.	0.0	1
53	The Torque of High Speed Scanning Micromirrors with Vertical Combdrives. Japanese Journal of Applied Physics, 2003, 42, L1449-L1451.	1.5	0
54	Analysis of the Structure of Vertical Combdrives of Fast Scanning Micromirrors. Japanese Journal of Applied Physics, 2004, 43, L548-L550.	1.5	0

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55	Optical Properties of $Y_2Si_2O_7$:Ce,Tb Nanoparticles Prepared by Reverse Micelle Method. Transactions of the Materials Research Society of Japan, 2015, 40, 287-290.	0.2	0
56	Afterglow Properties of Silica-Capped $Sr_2MgSi_2O_7$:Eu,Dy Nanoparticles Prepared by Laser Ablation in Ethanol. Chem, 2012, 2, 47-51.	0.2	0
57	Advances on Self-propagating High-temperature Synthesis for Efficient Improvements of Underground and Space Environments Utilizations. Ceramics in Modern Technologies, 2019, 1, 20-24.	0.3	0