Hiroyuki Wada

List of Publications by Year
in descending order

57	683	706676 14	685536 24
papers	citations	h-index	g-index

59	59	59	836
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Laser Ablation in Liquids for Nanomaterial Synthesis and Applications. , 2021, , 1-35.		1
2	Laser Ablation in Liquids for Nanomaterial Synthesis and Applications. , 2021, , 1481-1515.		3
3	Preparation of spherical upconversion nanoparticles NaYF4:Yb,Er by laser ablation in liquid and optical properties. Journal of Laser Applications, 2020, 32, .	0.8	4
4	Observation of photoluminescence from YVO₄:Eu³⁺ nanoparticles produced in laser ablation in water. Applied Physics Express, 2020, 13, 075008.	1.1	1
5	Fabrication of Magnetic Î±-Fe₂O₃/Fe₃O₄ Composite Particles by Nanosecond Laser Irradiation of Î±-Fe₂O₃ Powder in Water. Chemistry Letters, 2020, 49, 413-415.	0.7	4
6	Preparation of silicon naphthalocyanine nanoparticles by laser ablation in liquid and their optical properties. Japanese Journal of Applied Physics, 2019, 58, 128002.	0.8	4
7	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
8	Comparison of picosecond and nanosecond lasers for the synthesis of TiN sub-micrometer spherical particles by pulsed laser melting in liquid. Applied Physics Express, 2018, 11, 035001.	1.1	16
9	NIR-responsive upconversion nanoparticles/anatase TiO₂ composite aerogel. Japanese Journal of Applied Physics, 2018, 57, 02CC03.	0.8	1
10	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.	0.8	8
11	Properties of Ce³⁺-Doped Y₃Al₅O₁₂Phosphor Nanoparticles Formed by Laser Ablation in Liquid. ECS Journal of Solid State Science and Technology, 2018, 7, R63-R69.	0.9	6
12	Laser-induced growth of YVO₄:Eu³⁺ nanoparticles from sequential flowing aqueous suspension. RSC Advances, 2017, 7, 9002-9008.	1.7	6
13	Morphology and optical properties of YVO 4 :Eu 3+ nanoparticles fabricated by laser ablation in ethanol. Applied Surface Science, 2017, 425, 689-695.	3.1	24
14	One-step preparation of YVO4:Eu3+ nanoparticles by pulsed laser ablation. Journal of Alloys and Compounds, 2016, 683, 1-6.	2.8	18
15	Facile and Chemically Pure Preparation of YVO4:Eu3+ Colloid with Novel Nanostructure via Laser Ablation in Water. Scientific Reports, 2016, 6, 20507.	1.6	38
16	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
17	Facile preparation of YAG:Ce nanoparticles by laser irradiation in water and their optical properties. SpringerPlus, 2016, 5, 325.	1.2	19
18	Effect of sintering temperature on the characteristics of ceramic hollow spheres produced by sacrificial template technique. Ceramics International, 2016, 42, 8409-8412.	2.3	7

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19	Optical Properties of Y₂Si₂O₇:Ce,Tb Nanoparticles Prepared by Reverse Micelle Method. Transactions of the Materials Research Society of Japan, 2015, 40, 287-290.	0.2	0
20	Fabrication of nanoscale Ca-Î±-SiAlON:Eu²⁺phosphor by laser ablation in water. Applied Physics Express, 2015, 8, 115001.	1.1	16
21	Photodynamic therapy using upconversion nanoparticles prepared by laser ablation in liquid. Applied Surface Science, 2015, 348, 54-59.	3.1	24
22	Preparation of spherical particles by laser melting in liquid using TiN as a raw material. Applied Physics B: Lasers and Optics, 2015, 119, 475-483.	1.1	13
23	Surface modification of Y₂O₃:Er,Yb upconversion nanoparticles prepared by laser ablation in water. Japanese Journal of Applied Physics, 2014, 53, 05FK04.	0.8	7
24	Optical properties of highly crystalline Y₂O₃:Er,Yb nanoparticles prepared by laser ablation in water. Materials Research Express, 2014, 1, 035043.	0.8	16
25	Encapsulation of solutions for controlling heat transfer. Powder Technology, 2014, 268, 387-391.	2.1	2
26	The effect of energy density on yield of silicon nanoparticles prepared by pulsed laser ablation in liquid. Applied Physics A: Materials Science and Processing, 2014, 117, 131-135.	1.1	24
27	Photovoltaic properties of Si-based quantum-dot-sensitized solar cells prepared using laser plasma in liquid. Japanese Journal of Applied Physics, 2014, 53, 010208.	0.8	8
28	Optical properties of silica-coated Y 2 O 3 :Er,Yb nanoparticles in the presence of polyvinylpyrrolidone. Journal of Luminescence, 2014, 156, 8-15.	1.5	6
29	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.	0.3	8
30	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.	0.2	3
31	Upconversion properties of Y2O3:Er,Yb nanoparticles prepared by laser ablation in water. Journal of Luminescence, 2013, 137, 220-224.	1.5	42
32	Laser Wavelength Effect on Size and Morphology of Silicon Nanoparticles Prepared by Laser Ablation in Liquid. Japanese Journal of Applied Physics, 2013, 52, 025001.	0.8	37
33	Process stages during solution combustion synthesis of strontium aluminates. International Journal of Self-Propagating High-Temperature Synthesis, 2013, 22, 151-156.	0.2	8
34	Effects of Laser Energy Density on Silicon Nanoparticles Produced Using Laser Ablation in Liquid. Journal of Physics: Conference Series, 2013, 441, 012035.	0.3	14
35	Photon-Avalanche Effect of Y₂O₃:Er,Yb Nanoparticles Prepared by Laser Ablation in Liquid. Transactions of the Materials Research Society of Japan, 2013, 38, 317-320.	0.2	2
36	Preparation of Y2O3:Er,Yb nanoparticles by laser ablation in liquid. Applied Surface Science, 2012, 261, 118-122.	3.1	33

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37	Optical Properties of Afterglow Nanoparticles : , Capped with Polyethylene Glycol. Advances in Optical Technologies, 2012, 2012, 1-6.	0.8	11
38	Preparation of SiO₂-Capped Sr₂MgSi₂O₇:Eu,Dy Nanoparticles with Laser Ablation in Liquid. Journal of Nanotechnology, 2012, 2012, 1-6.	1.5	8
39	NiO-Al combustion synthesis as applied to joining Al2O3 ceramics. International Journal of Self-Propagating High-Temperature Synthesis, 2012, 21, 146-150.	0.2	2
40	Preparation of InP Nanoparticles by Laser Ablation in Liquid. The Review of Laser Engineering, 2012, 40, 117.	0.0	1
41	Afterglow Properties of Silica-Capped Sr2MgSi2O7:Eu,Dy Nanoparticles Prepared by Laser Ablation in Ethanol. CheM, 2012, 2, 47-51.	0.2	0
42	Preparation and Optical Properties of Rare Earth Doped Y₂O₃ Nanoparticles Synthesized by Thermal Decomposition with Oleic Acid. Advanced Materials Research, 2011, 332-334, 1974-1978.	0.3	2
43	Volume combustion synthesis of NiAl as applied to ceramics joining. International Journal of Self-Propagating High-Temperature Synthesis, 2011, 20, 94-99.	0.2	3
44	Preparation of long-afterglow colloidal solution of Sr2MgSi2O7: Eu2+, Dy3+ by laser ablation in liquid. Applied Surface Science, 2011, 257, 2170-2175.	3.1	40
45	Optical Properties of ZnO Nanoparticles Capped with Polymers. Materials, 2011, 4, 1132-1143.	1.3	105
46	Optical Properties of Laser-Irradiated ZnO Nanoparticles in 2-Propanol. Japanese Journal of Applied Physics, 2010, 49, 052602.	0.8	4
47	Increase in the fluorescence intensity of ZnO nanoparticle by laser irradiation. Materials Letters, 2008, 62, 3407-3409.	1.3	7
48	Analysis of the Structure of Vertical Combdrives of Fast Scanning Micromirrors. Japanese Journal of Applied Physics, 2004, 43, L548-L550.	0.8	0
49	Bonding of Two Silicon Layers above a Gap to Fabricate a Fast Scanning Micromirror. Japanese Journal of Applied Physics, 2004, 43, L50-L52.	0.8	2
50	Snap Down Voltage of a Fast-Scanning Micromirror with Vertical Electrostatic Combdrives. Japanese Journal of Applied Physics, 2004, 43, L284-L286.	0.8	1
51	Measurement and Analysis of Cavity Loss of a 266 nm Continuous-Wave Solid-State Laser. Japanese Journal of Applied Physics, 2004, 43, L393-L395.	0.8	2
52	The Torque of High Speed Scanning Micromirrors with Vertical Combdrives. Japanese Journal of Applied Physics, 2003, 42, L1449-L1451.	0.8	0
53	Process for High Speed Micro Electro Mechanical Systems (MEMS) Scanning Mirrors with Vertical Comb Drives. Japanese Journal of Applied Physics, 2002, 41, L899-L901.	0.8	16
54	Optical Characterization of High Speed Scanning Micromirrors with Vertical Combdrives. Japanese Journal of Applied Physics, 2002, 41, L1169-L1171.	0.8	8

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55	Demonstration of long-term reliability of a 266-nm, continuous-wave, frequency-quadrupled solid-state laser using ?-BaB_2O_4. Optics Letters, 1998, 23, 195.	1.7	42
56	Reliability of Czochralski-grown B-BaB2O4 (BBO) devices. , 1998, , .		4
57	<title>Progress in all-solid-state deep-ultraviolet coherent light sources</title>. , 1996, , .		1