

Yuki Iwasa

List of Publications by Year in descending order

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22
papers

201
citations

1478505

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1058476

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22
all docs

22
docs citations

22
times ranked

293
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetized fast isochoric laser heating for efficient creation of ultra-high-energy-density states. Nature Communications, 2018, 9, 3937.	12.8	75
2	Petapascal Pressure Driven by Fast Isochoric Heating with a Multipicosecond Intense Laser Pulse. Physical Review Letters, 2020, 124, 035001.	7.8	26
3	Synthesis and the physical properties of layered copper oxytellurides $\text{Sr}_{2-x}\text{TMCu}_2\text{Te}_2\text{O}_8$ (TM = Mn, Co, Zn). Journal of Materials Chemistry C, 2018, 6, 12260-12266.	5.5	15
4	Characterizing a fast-response, low-afterglow liquid scintillator for neutron time-of-flight diagnostics in fast ignition experiments. Review of Scientific Instruments, 2014, 85, 11E126.	1.3	9
5	Controlled Generation of Double Emulsions for Laser Fusion Target Fabrication Using a Glass Capillary Microfluidic Device. Fusion Science and Technology, 2018, 73, 258-264.	1.1	8
6	Direct observation of imploded core heating via fast electrons with super-penetration scheme. Nature Communications, 2019, 10, 5614.	12.8	8
7	Development of Multichannel Time-of-Flight Neutron Spectrometer for the Fast Ignition Experiment. Plasma and Fusion Research, 2014, 9, 4404110-4404110.	0.7	7
8	Optical damage assessment and recovery investigation of hydrogen-ion and deuterium-ion plasma-irradiated bulk ZnO single crystals. Journal of Applied Physics, 2017, 121, .	2.5	7
9	Cu-oleate microspheres fabricated by emulsion method as novel targets for fast ignition laser fusion experiments. Fusion Engineering and Design, 2017, 125, 89-92.	1.9	7
10	ZnO crystal as a potential damage-recoverable window material for fusion reactors. Optical Materials, 2016, 62, 646-650.	3.6	6
11	Luminescence properties of layered mixed-anion compounds $\text{Sr}_2\text{ScCuSeO}_3$ and $\text{Sr}_3\text{Sc}_2\text{Cu}_2\text{Se}_2\text{O}_5$. Optical Materials, 2018, 84, 205-208.	3.6	6
12	Development of multichannel low-energy neutron spectrometer. Review of Scientific Instruments, 2014, 85, 11E125.	1.3	5
13	Investigation of holmium-doped zirconium oxide ceramic phosphor as an ultraviolet wavelength-discriminating laser beam viewer. Optical Materials, 2018, 75, 347-349.	3.6	4
14	Synthesis, optical properties, and band structures of a series of layered mixed-anion compounds. Journal of Materials Science: Materials in Electronics, 2019, 30, 16827-16832.	2.2	3
15	Synthesis, structure, and luminescence properties of layered oxychloride $\text{Ba}_3\text{Y}_2\text{O}_5\text{Cl}_2$. Journal of Materials Chemistry C, 2020, 8, 17162-17168.	5.5	3
16	Development of Tritium Tracer Doped Liquid Fuel Target for Inertial Confinement Fusion at the Gekko XII-LFEX Facility. Fusion Science and Technology, 2020, 76, 464-470.	1.1	3
17	Synthesis, Electronic Structure, and Physical Properties of Layered Oxypnictides $\text{Sr}_2\text{ScCrAsO}_3$ and $\text{Ba}_3\text{Sc}_2\text{Cr}_2\text{As}_2\text{O}_5$. Inorganic Chemistry, 2021, 60, 1930-1936.	4.0	3
18	Infiltration growth processing of bulk mixed $\text{REBa}_2\text{Cu}_3\text{O}_{7-x}$ superconductors: nano-metal oxides and rare earth elements effects on microstructural properties. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
19	Parameter estimation for a pancreatic β -cell model by gradient-descent learning with line search. , 0, , .		1
20	Optical transmittance investigation of 1-keV ion-irradiated sapphire crystals as potential VUV to NIR window materials of fusion reactors. AIP Advances, 2016, 6, .	1.3	1
21	Flux Crystal Growth, Crystal Structure, and Optical Properties of New Germanate Garnet $\text{Ce}_2\text{CaMg}_2\text{Ge}_3\text{O}_{12}$. Frontiers in Chemistry, 2020, 8, 91.	3.6	1
22	Tritium-doping enhancement of polystyrene by ultraviolet laser and hydrogen plasma irradiation for laser fusion experiments. Fusion Engineering and Design, 2016, 112, 269-273.	1.9	0