

Y Y Tsui

List of Publications by Year in descending order

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15
papers

477
citations

933410

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996954

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15
all docs

15
docs citations

15
times ranked

593
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterogeneous to homogeneous melting transition visualized with ultrafast electron diffraction. <i>Science</i> , 2018, 360, 1451-1455.	12.6	133
2	Evolution of ac Conductivity in Nonequilibrium Warm Dense Gold. <i>Physical Review Letters</i> , 2013, 110, 135001.	7.8	84
3	<i>Ab initio</i> model of optical properties of two-temperature warm dense matter. <i>Physical Review B</i> , 2014, 90, .	3.2	59
4	Laser-Induced Breakdown Spectroscopy for Microanalysis Using Submillijoule UV Laser Pulses. <i>Applied Spectroscopy</i> , 2002, 56, 689-698.	2.2	43
5	Flux-Limited Nonequilibrium Electron Energy Transport in Warm Dense Gold. <i>Physical Review Letters</i> , 2012, 108, 165001.	7.8	31
6	Laser wakefield generated X-ray probe for femtosecond time-resolved measurements of ionization states of warm dense aluminum. <i>Review of Scientific Instruments</i> , 2013, 84, 123106.	1.3	24
7	Interatomic Potential in the Nonequilibrium Warm Dense Matter Regime. <i>Physical Review Letters</i> , 2018, 121, 075002.	7.8	21
8	dc conductivity of two-temperature warm dense gold. <i>Physical Review E</i> , 2016, 94, 033213.	2.1	20
9	Ultrafast multi-cycle terahertz measurements of the electrical conductivity in strongly excited solids. <i>Nature Communications</i> , 2021, 12, 1638.	12.8	20
10	A dual channel X-ray spectrometer for fast ignition research. <i>Journal of Instrumentation</i> , 2010, 5, P07008-P07008.	1.2	16
11	Kirkpatrick-Baez microscope for hard X-ray imaging of fast ignition experiments. <i>Review of Scientific Instruments</i> , 2013, 84, 023704.	1.3	9
12	Electron Kinetics Induced by Ultrafast Photoexcitation of Warm Dense Matter in a 30-nm-Thick Foil. <i>Physical Review Letters</i> , 2021, 127, 097403.	7.8	7
13	On specular reflectivity measurements in high and low-contrast relativistic laser-plasma interactions. <i>Physics of Plasmas</i> , 2015, 22, 013110.	1.9	5
14	Quantitative emission from femtosecond microplasmas for laser-induced breakdown spectroscopy. <i>Journal of Physics: Conference Series</i> , 2007, 59, 328-332.	0.4	4
15	A single-shot spatial chirp method for measuring initial AC conductivity evolution of femtosecond laser pulse excited warm dense matter. <i>Review of Scientific Instruments</i> , 2016, 87, 11E548.	1.3	1