

Hiroki Morita

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/641458/publications.pdf>

Version: 2024-02-01

20
papers

216
citations

1307594

7
h-index

996975

15
g-index

20
all docs

20
docs citations

20
times ranked

224
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	Thermal Properties of 4-Alkoxyphenyl 3,4-Di(4-alkoxybenzoyloxy)benzoates. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1989, 168, 111-124.	0.3	19
4	Relativistic magnetic reconnection in laser laboratory for testing an emission mechanism of hard-state black hole system. Physical Review E, 2020, 102, 033202.	2.1	17
5	Enhancement of Ablative Rayleigh-Taylor Instability Growth by Thermal Conduction Suppression in a Magnetic Field. Physical Review Letters, 2021, 127, 165001.	7.8	13
6	Electromagnetic field growth triggering super-ponderomotive electron acceleration during multi-picosecond laser-plasma interaction. Communications Physics, 2019, 2, .	5.3	11
7	Mesomorphic Properties of A Homologous Series of 4-Cyanophenyl 3,4- Di(4-alkoxybenzoyloxy) benzoates. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1989, 166, 157-165.	0.3	10
8	Monte Carlo particle collision model for qualitative analysis of neutron energy spectra from anisotropic inertial confinement fusion. High Energy Density Physics, 2020, 36, 100803.	1.5	8
9	Thermal and X-Ray Diffraction Studies of Some Liquid Crystals Having a Nitro Group at the Lateral Position. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1989, 177, 59-70.	0.3	7
10	Numerical analysis of pulsed magnetic field diffusion dynamics in gold cone target. Physics of Plasmas, 2018, 25, 094505.	1.9	7
11	Dynamics of laser-generated magnetic fields using long laser pulses. Physical Review E, 2021, 103, 033201.	2.1	7
12	Design of Zeeman spectroscopy experiment with magnetized silicon plasma generated in the laboratory. High Energy Density Physics, 2019, 33, 100710.	1.5	4
13	Verification of fast heating of core plasmas produced by counter-illumination of implosion lasers. High Energy Density Physics, 2020, 37, 100890.	1.5	3
14	Enhanced relativistic electron beams intensity with self-generated resistive magnetic field. High Energy Density Physics, 2020, 36, 100773.	1.5	3
15	Application of laser-driven capacitor-coil to target normal sheath acceleration. High Energy Density Physics, 2020, 37, 100874.	1.5	2
16	Experimental Investigation of Voltage Generation Mechanism of Laser-Driven Coil. Journal of the Physical Society of Japan, 2022, 91, .	1.6	2
17	Advanced analysis of laser-driven pulsed magnetic diffusion based on quantum molecular dynamics simulation. Matter and Radiation at Extremes, 2021, 6, 065901.	3.9	1
18	Simple Analysis of the Laser-to-Core Energy Coupling Efficiency with Magnetized Fast Isochoric Laser Heating. Plasma and Fusion Research, 2019, 14, 3404138-3404138.	0.7	1

#	ARTICLE	IF	CITATIONS
19	SECT--A coding technique for black/white graphics. IEEE Transactions on Information Theory, 1983, 29, 559-570.	2.4	0
20	Generation of Strong Magnetic Field with High-Power Laser. The Review of Laser Engineering, 2019, 47, 518.	0.0	0