

Hao Liu

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

86
citations

1937685

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h-index

1372567

10
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all docs

13
docs citations

13
times ranked

80
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular dynamics simulation of strong shock waves propagating in dense deuterium, taking into consideration effects of excited electrons. <i>Physical Review E</i> , 2017, 95, 023201.	2.1	29
2	Molecular dynamics simulations of microscopic structure of ultra strong shock waves in dense helium. <i>Frontiers of Physics</i> , 2016, 11, 1.	5.0	28
3	Accurate Depth Inversion Method for Coastal Bathymetry: Introduction of Water Wave High-Order Dispersion Relation. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 153.	2.6	7
4	On the Size Effect of Strain Rate Sensitivity and Activation Volume for Face-Centered Cubic Materials: A Scaling Law. <i>Crystals</i> , 2020, 10, 898.	2.2	4
5	Molecular dynamics investigation of the stopping power of warm dense hydrogen for electrons. <i>Physical Review E</i> , 2021, 103, 063215.	2.1	4
6	Coupling effects and thin-shell corrections for surface instabilities of cylindrical fluid shells. <i>Physical Review E</i> , 2020, 101, 023108.	2.1	3
7	Hardness-Depth Relationship with Temperature Effect for Single Crystals—A Theoretical Analysis. <i>Crystals</i> , 2020, 10, 112.	2.2	3
8	Dynamics of particles near the surface of a medium under ultra-strong shocks. <i>Matter and Radiation at Extremes</i> , 2021, 6, .	3.9	3
9	Driving Torque Model and Accuracy Test of Multilink High-Speed Punch. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-10.	1.1	2
10	Dynamics of bond breaking and formation in polyethylene near shock front. <i>Physical Review E</i> , 2020, 102, 023207.	2.1	1
11	Investigation into the improved axial compressibility of a spinning non-ideal gas. <i>Frontiers of Physics</i> , 2020, 15, 1.	5.0	1
12	Terminal velocities and vortex dynamics of weakly compressible Rayleigh–Taylor Instability. <i>AIP Advances</i> , 2022, 12, 015325.	1.3	1
13	Increase in Axial Compressibility in a Spinning Van der Waals Gas. <i>Entropy</i> , 2021, 23, 137.	2.2	0