

Jianbo Hu

List of Publications by Year in descending order

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papers

648
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567281

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734
citing authors

#	ARTICLE	IF	CITATIONS
1	Giant and Multistage Nonlinear Optical Response in Porphyrin-Based Surface-Supported Metal-Organic Framework Nanofilms. <i>Nano Letters</i> , 2019, 19, 9095-9101.	9.1	61
2	Shock-induced bct-bcc transition and melting of tin identified by sound velocity measurements. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	50
3	Hugoniot temperatures and melting of tantalum under shock compression determined by optical pyrometry. <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	48
4	Rippling ultrafast dynamics of suspended 2D monolayers, graphene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6555-E6561.	7.1	41
5	High-harmonic generation in Weyl semimetal $\hat{\Gamma}^2$ -WP2 crystals. <i>Nature Communications</i> , 2021, 12, 6437.	12.8	40
6	Transient Structures and Possible Limits of Data Recording in Phase-Change Materials. <i>ACS Nano</i> , 2015, 9, 6728-6737.	14.6	39
7	Sound velocity measurements of tantalum under shock compression in the 10-110 GPa range. <i>Journal of Applied Physics</i> , 2012, 111, 033511.	2.5	29
8	Successive phase transitions of tin under shock compression. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	28
9	Diffraction of Quantum Dots Reveals Nanoscale Ultrafast Energy Localization. <i>Nano Letters</i> , 2014, 14, 6148-6154.	9.1	27
10	Assembled Exciton Dynamics in Porphyrin Metal-Organic Framework Nanofilms. <i>Nano Letters</i> , 2021, 21, 1102-1107.	9.1	23
11	Complex structural dynamics of bismuth under laser-driven compression. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	21
12	Delayed formation of coherent LO phonon-plasmon coupled modes in n -type GaAs measured using a femtosecond coherent control technique. <i>Physical Review B</i> , 2012, 86, .	3.2	20
13	Investigation of grain growth and magnetic properties of low-sintered LiZnTi ferrite-ceramic. <i>Ceramics International</i> , 2020, 46, 14669-14673.	4.8	20
14	Ferrite ceramic filled poly-dimethylsiloxane composite with enhanced magnetic-dielectric properties as substrate material for flexible electronics. <i>Ceramics International</i> , 2021, 47, 18246-18251.	4.8	19
15	Hugoniot and sound velocity measurements of bismuth in the range of 11-70 GPa. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	16
16	Investigation on growth mechanism and gyromagnetic properties of low-sintered $\text{Li}_0.43\text{Zn}_0.27\text{Ti}_0.13\text{Fe}_2.17\text{O}_4$ ferrite doped with Nb_2O_5 and glass sintering additives. <i>Journal of Alloys and Compounds</i> , 2021, 885, 160957.	5.5	16
17	Reversible phase transition in laser-shocked 3Y-TZP ceramics observed via nanosecond time-resolved x-ray diffraction. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	15
18	Direct observation of two-phonon bound states in ZnTe. <i>Physical Review B</i> , 2011, 84, .	3.2	14

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19	Effect of Porosity on Dynamic Response of Additive Manufacturing Ti-6Al-4V Alloys. <i>Micromachines</i> , 2022, 13, 408.	2.9	14
20	Excimer Formation in the Non- Van der Waals 2D Semiconductor $\text{Bi}_2\text{O}_2\text{Se}$. <i>Advanced Materials</i> , 2022, 34, .	21.0	14
21	Femtosecond study of A1g phonons in the strong 3D topological insulators: From pump-probe to coherent control. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	12
22	Determination of effective shear modulus of shock-compressed LY12 Al from particle velocity profile measurements. <i>Journal of Applied Physics</i> , 2008, 103, 103529.	2.5	8
23	Enhanced magnetic properties of low temperature sintered LiZnTi ferrite ceramic synthesized through adjusting microstructure. <i>Journal of Alloys and Compounds</i> , 2020, 827, 154338.	5.5	8
24	Photoinduced Ultrafast Symmetry Switch in SnSe. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 442-448.	4.6	8
25	Hugoniot evaluation of the preheated metal from its principal Hugoniot. <i>Journal of Applied Physics</i> , 2006, 99, 056102.	2.5	7
26	Development of a three-stage gas gun launcher for ultrahigh-pressure Hugoniot measurements. <i>Review of Scientific Instruments</i> , 2019, 90, 013903.	1.3	7
27	Damage evolution and spall failure in copper under complex shockwave loading conditions. <i>Journal of Applied Physics</i> , 2020, 128, 055111.	2.5	6
28	Visualizing Nonlinear Phononics in Layered ReSe_2 . <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5178-5184.	4.6	6
29	Temperature effect on the coupling between coherent longitudinal phonons and plasmons in n-p GaAs . <i>Physical Review B</i> , 2018, 97, .	3.2	4
30	Dynamic response of Ti_3SiC_2 under shock compression up to 112 GPa. <i>Ceramics International</i> , 2021, 47, 21008-21012.	4.8	4
31	Absence of Kondo effect in CeNiGe_3 revealed by coherent phonon dynamics. <i>Physical Review B</i> , 2021, 104, .	3.2	4
32	Attosecond-Resolved Coherent Control of Lattice Vibrations in Thermoelectric SnSe. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2584-2590.	4.6	4
33	Ultrafast zone-center coherent lattice dynamics in ferroelectric lithium tantalate. <i>Science and Technology of Advanced Materials</i> , 2011, 12, 034409.	6.1	2
34	Electronic bandgap of water in the superionic and plasma phases. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	2
35	Time-Domain Observation of Spectral Diffusion in Defective ZnO. <i>ACS Omega</i> , 2021, 6, 15442-15447.	3.5	2
36	The gas gun launch advances in numerical simulation of hypervelocity impact. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2014, 44, 547-556.	0.4	2

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37	Dynamic response of YAG polycrystalline and single-crystal transparent ceramics: Experiments and mesoscopic simulations. <i>Journal of the American Ceramic Society</i> , 2022, 105, 6864-6875.	3.8	2
38	Design of ultrabright 270 keV DC photoelectron gun for ultrafast electron diffraction. <i>AIP Advances</i> , 2020, 10, 085205.	1.3	1
39	Liquid-liquid phase transition in molten cerium during shock release. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	1
40	A Highly Stable-Output Kilohertz Femtosecond Hard X-ray Pulse Source for Ultrafast X-ray Diffraction. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4723.	2.5	1
41	Structural Dynamics of Polycrystals under Shock Compression Observed via Nanosecond Time-resolved X-ray Diffraction. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1528, 1.	0.1	0