

Alexander von Reppert

List of Publications by Year in descending order

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16
papers

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933447

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17
all docs

17
docs citations

17
times ranked

275
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic energy transport in nanoscale Au/Fe hetero-structures in the perspective of ultrafast lattice dynamics. Applied Physics Letters, 2022, 120, .	3.3	9
2	Reciprocal space slicing: A time-efficient approach to femtosecond x-ray diffraction. Structural Dynamics, 2021, 8, 014302.	2.3	8
3	Analysis of the temperature- and fluence-dependent magnetic stress in laser-excited SrRuO ₃ . Structural Dynamics, 2021, 8, 024302.	2.3	5
4	Unconventional picosecond strain pulses resulting from the saturation of magnetic stress within a photoexcited rare earth layer. Structural Dynamics, 2020, 7, 024303.	2.3	10
5	Spin stress contribution to the lattice dynamics of FePt. Science Advances, 2020, 6, eaba1142.	10.3	20
6	Measurement of transient strain induced by two-photon excitation. Physical Review Research, 2020, 2, .	3.6	11
7	Tracking picosecond strain pulses in heterostructures that exhibit giant magnetostriction. Structural Dynamics, 2019, 6, 024302.	2.3	10
8	Ultrafast negative thermal expansion driven by spin disorder. Physical Review B, 2019, 99, .	3.2	10
9	Finite-size effects in ultrafast remagnetization dynamics of FePt. Physical Review B, 2019, 100, .	3.2	7
10	Ultrafast laser generated strain in granular and continuous FePt thin films. Applied Physics Letters, 2018, 113, .	3.3	15
11	Layer specific observation of slow thermal equilibration in ultrathin metallic nanostructures by femtosecond X-ray diffraction. Nature Communications, 2018, 9, 3335.	12.8	38
12	Ultrafast x-ray diffraction thermometry measures the influence of spin excitations on the heat transport through nanolayers. Physical Review B, 2017, 96, .	3.2	9
13	Grueneisen-approach for the experimental determination of transient spin and phonon energies from ultrafast x-ray diffraction data: gadolinium. Journal of Physics Condensed Matter, 2017, 29, 264001.	1.8	8
14	Watching the Vibration and Cooling of Ultrathin Gold Nanotriangles by Ultrafast X-ray Diffraction. Journal of Physical Chemistry C, 2016, 120, 28894-28899.	3.1	19
15	Persistent nonequilibrium dynamics of the thermal energies in the spin and phonon systems of an antiferromagnet. Structural Dynamics, 2016, 3, 054302.	2.3	23
16	Second Harmonic Generation of Nanoscale Phonon Wave Packets. Physical Review Letters, 2015, 115, 195502.	7.8	23