

Lucas Huber

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

612
citations

933447

10
h-index

1281871

11
g-index

14
all docs

14
docs citations

14
times ranked

1211
citing authors

#	ARTICLE	IF	CITATIONS
1	Decoding ultrafast polarization responses in lead halide perovskites by the two-dimensional optical Kerr effect. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	21
2	The ultrafast Kerr effect in anisotropic and dispersive media. Journal of Chemical Physics, 2021, 154, 094202.	3.0	11
3	Optical Anisotropy and Phase Transitions in Lead Halide Perovskites. Journal of Physical Chemistry Letters, 2021, 12, 5016-5022.	4.6	17
4	2D Optical- and THz-Kerr Effect in Lead Halide Perovskites. , 2021, , .		0
5	Kinetics of a Phonon-Mediated Laser-Driven Structural Phase Transition in Sn ₂ P ₂ Se ₆ . Applied Sciences (Switzerland), 2019, 9, 525.	2.5	2
6	The ultrafast Einsteinâ€“de Haas effect. Nature, 2019, 565, 209-212.	27.8	151
7	2D THz spectroscopic investigation of ballistic conduction-band electron dynamics in InSb. Optics Express, 2019, 27, 10854.	3.4	27
8	THz Generation and Detection by Fluorenone Based Organic Crystals. ACS Photonics, 2018, 5, 671-677.	6.6	42
9	Dynamics of the photoinduced insulator-to-metal transition in a nickelate film. Structural Dynamics, 2018, 5, 064501.	2.3	12
10	Ultrafast Formation of a Charge Density Wave State in $1T$: Observation at Nanometer Scales Using Time-Resolved X-Ray Diffraction. Physical Review Letters, 2017, 118, 247401.	sub	row
11	Large-Amplitude Spin Dynamics Driven by a THz Pulse in Resonance with an Electromagnon. Science, 2014, 343, 1333-1336.	12.6	255
12	Investigations of a flat-panel detector for quality assurance measurements in ion beam therapy. Physics in Medicine and Biology, 2012, 57, 51-68.	3.0	14
13	Patient position verification in ion-beam therapy using ion-beam radiography and fiducial markers. Journal of Instrumentation, 2011, 6, C11008-C11008.	1.2	0
14	Decoding Nonlinear Polarization Responses in Lead Halide Perovskites via Two-Dimensional Optical Kerr Spectroscopy. , 0, , .		0