

Lucas Huber

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3176397/publications.pdf>

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	Large-Amplitude Spin Dynamics Driven by a THz Pulse in Resonance with an Electromagnon. Science, 2014, 343, 1333-1336.	12.6	255
2	The ultrafast Einsteinâ€“de Haas effect. Nature, 2019, 565, 209-212.	27.8	151
3	Ultrafast Formation of a Charge Density Wave State in TaTe_2 : Observation at Nanometer Scales Using Time-Resolved X-Ray Diffraction. Physical Review Letters, 2017, 118, 247401.		
4	THz Generation and Detection by Fluorenone Based Organic Crystals. ACS Photonics, 2018, 5, 671-677.	6.6	42
5	2D THz spectroscopic investigation of ballistic conduction-band electron dynamics in InSb. Optics Express, 2019, 27, 10854.	3.4	27
6	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
7	Optical Anisotropy and Phase Transitions in Lead Halide Perovskites. Journal of Physical Chemistry Letters, 2021, 12, 5016-5022.	4.6	17
8	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
9	Dynamics of the photoinduced insulator-to-metal transition in a nickelate film. Structural Dynamics, 2018, 5, 064501.	2.3	12
10	The ultrafast Kerr effect in anisotropic and dispersive media. Journal of Chemical Physics, 2021, 154, 094202.	3.0	11
11	Kinetics of a Phonon-Mediated Laser-Driven Structural Phase Transition in $\text{Sn}_2\text{P}_2\text{Se}_6$. Applied Sciences (Switzerland), 2019, 9, 525.	2.5	2
12	Patient position verification in ion-beam therapy using ion-beam radiography and fiducial markers. Journal of Instrumentation, 2011, 6, C11008-C11008.	1.2	0
13	2D Optical- and THz-Kerr Effect in Lead Halide Perovskites. , 2021, , .		0
14	Decoding Nonlinear Polarization Responses in Lead Halide Perovskites via Two-Dimensional Optical Kerr Spectroscopy. , 0, , .		0