

Timothy A Miller

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

893
citations

840776

11
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

2185
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of Transient Structural-Transformation Dynamics in a Cu ₂ S Nanorod. Science, 2011, 333, 206-209.	12.6	220
2	Time-domain separation of optical properties from structural transitions in resonantly bonded materials. Nature Materials, 2015, 14, 991-995.	27.5	166
3	Ultrafast disordering of vanadium dimers in photoexcited VO ₂ . Science, 2018, 362, 572-576.	12.6	159
4	The mechanism of ultrafast structural switching in superionic copper (I) sulphide nanocrystals. Nature Communications, 2013, 4, 1369.	12.8	73
5	Probing the hydrogen-bond network of water via time-resolved soft X-ray spectroscopy. Physical Chemistry Chemical Physics, 2009, 11, 3951.	2.8	71
6	Ultrafast and Broadband Tuning of Resonant Optical Nanostructures Using Phase-Change Materials. Advanced Optical Materials, 2016, 4, 1060-1066.	7.3	67
7	Visualization of nanocrystal breathing modes at extreme strains. Nature Communications, 2015, 6, 6577.	12.8	26
8	Ultrafast optical response of the amorphous and crystalline states of the phase change material $\text{Ge}_2\text{Sb}_2\text{Te}_5$ Physical Review B, 2016, 94, .	3.2	25
9	Real-Time Visualization of Nanocrystal Solid-Solid Transformation Pathways. Nano Letters, 2014, 14, 1995-1999.	9.1	24
10	Measurement of transient atomic displacements in thin films with picosecond and femtometer resolution. Structural Dynamics, 2014, 1, 034301.	2.3	23
11	Terahertz field control of in-plane orbital order in La _{0.5} Sr _{1.5} MnO ₄ . Nature Communications, 2015, 6, 8175.	12.8	19
12	Resonant optical control of the structural distortions that drive ultrafast demagnetization in Cr_2O_3 Physical Review B, 2016, 94, .	3.2	11
13	Observations of laser induced magnetization dynamics in Co/Pd multilayers with coherent x-ray scattering. Applied Physics Letters, 2011, 99, 252505.	3.3	6
14	Light control of orbital domains: case of the prototypical manganite La _{0.5} Sr _{1.5} MnO ₄ . Physica Scripta, 2016, 91, 124002.	2.5	3
15	Ultrafast Optical and X-ray Probes of Nanoscale Solid-Liquid Phase Transformations. , 2012, , .		0