

Timothy A Miller

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5069865/publications.pdf>

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	Ultrafast disordering of vanadium dimers in photoexcited VO ₂ . Science, 2018, 362, 572-576.	12.6	159
2	Ultrafast and Broadband Tuning of Resonant Optical Nanostructures Using Phase-Change Materials. Advanced Optical Materials, 2016, 4, 1060-1066.	7.3	67
3	Resonant optical control of the structural distortions that drive ultrafast demagnetization in CrO ₂ . Physical Review B, 2016, 94, .		
4	Ultrafast optical response of the amorphous and crystalline states of the phase change material Ge ₂ Sb ₂ Te ₅ . Physical Review B, 2016, 94, .	3.2	25
5	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
6	Time-domain separation of optical properties from structural transitions in resonantly bonded materials. Nature Materials, 2015, 14, 991-995.	27.5	166
7	Visualization of nanocrystal breathing modes at extreme strains. Nature Communications, 2015, 6, 6577.	12.8	26
8	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
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	The mechanism of ultrafast structural switching in superionic copper (I) sulphide nanocrystals. Nature Communications, 2013, 4, 1369.	12.8	73
12	Ultrafast Optical and X-ray Probes of Nanoscale Solid-Liquid Phase Transformations. , 2012, , .		0
13	Observation of Transient Structural-Transformation Dynamics in a Cu ₂ S Nanorod. Science, 2011, 333, 206-209.	12.6	220
14	Observations of laser induced magnetization dynamics in Co/Pd multilayers with coherent x-ray scattering. Applied Physics Letters, 2011, 99, 252505.	3.3	6
15	Probing the hydrogen-bond network of water via time-resolved soft X-ray spectroscopy. Physical Chemistry Chemical Physics, 2009, 11, 3951.	2.8	71