

Manuel Ligges

List of Publications by Year in descending order

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19
papers

984
citations

933447

10
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

1403
citing authors

#	ARTICLE	IF	CITATIONS
1	Observing the Multiexciton State in Singlet Fission and Ensuing Ultrafast Multielectron Transfer. Science, 2011, 334, 1541-1545.	12.6	468
2	The energy barrier in singlet fission can be overcome through coherent coupling and entropic gain. Nature Chemistry, 2012, 4, 840-845.	13.6	294
3	Nonequilibrium electron and lattice dynamics of strongly correlated Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} single crystals. Science Advances, 2018, 4, eaap7427.	10.3	58
4	Observation of ultrafast lattice heating using time resolved electron diffraction. Applied Physics Letters, 2009, 94, .	3.3	49
5	Communication: Momentum-resolved quantum interference in optically excited surface states. Journal of Chemical Physics, 2011, 135, 031101.	3.0	19
6	Transient (000)-order attenuation effects in ultrafast transmission electron diffraction. Journal of Applied Physics, 2011, 109, 063519.	2.5	15
7	Comparing ultrafast surface and bulk heating using time-resolved electron diffraction. Applied Physics Letters, 2014, 104, .	3.3	12
8	Analytical Evaluation of Signal-to-Noise Ratios for Avalanche- and Single-Photon Avalanche Diodes. Sensors, 2021, 21, 2887.	3.8	12
9	Ultrathin epitaxially grown bismuth (111) membranes. Applied Physics Letters, 2008, 93, 093102.	3.3	11
10	Unoccupied electronic structure and relaxation dynamics of Pb/Si(1 1 1). Journal of Electron Spectroscopy and Related Phenomena, 2014, 195, 278-284.	1.7	11
11	Microscopic Insight into Electron-Induced Dissociation of Aromatic Molecules on Ice. Physical Review Letters, 2018, 121, 206001.	7.8	10
12	Electron-phonon coupling in quantum-well states of the Pb/Si(111) system. Journal of Physics Condensed Matter, 2014, 26, 352001.	1.8	9
13	Transient anisotropy in the electron diffraction of femtosecond laser-excited bismuth. New Journal of Physics, 2012, 14, 103031.	2.9	7
14	Probability of Unrecognized LiDAR Interference for TCSPC LiDAR. IEEE Sensors Journal, 2022, 22, 12976-12986.	4.7	3
15	Timing photoemission-Final state matters. Science, 2016, 353, 28-29.	12.6	2
16	Observation of Ultrafast Lattice Heating in thin Metal Films using Time-resolved Electron Diffraction. Materials Research Society Symposia Proceedings, 2009, 1230, 1.	0.1	1
17	Transient Cooling of Ultrathin Epitaxial Bi(111)-Films on Si(111) Upon Femtosecond Laser Excitation Studied by Ultrafast Reflection High Energy Electron Diffraction. Materials Research Society Symposia Proceedings, 2009, 1172, 1.	0.1	1
18	Ultra-fast Time-Resolved Electron Diffraction of Strongly Driven Phase Transitions on Silicon Surfaces. Materials Research Society Symposia Proceedings, 2009, 1230, 1.	0.1	1

#	ARTICLE	IF	CITATIONS
19	Electron-Phonon Energy Transfer in Bismuth Observed by Ultrafast Electron Diffraction. Springer Series in Chemical Physics, 2009, , 110-112.	0.2	1