

# Manuel Ligges

## List of Publications by Year in descending order

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19  
papers

984  
citations

933447

10  
h-index

794594

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all docs

19  
docs citations

19  
times ranked

1403  
citing authors

#	ARTICLE	IF	CITATIONS
1	Probability of Unrecognized LiDAR Interference for TCSPC LiDAR. IEEE Sensors Journal, 2022, 22, 12976-12986.	4.7	3
2	Analytical Evaluation of Signal-to-Noise Ratios for Avalanche- and Single-Photon Avalanche Diodes. Sensors, 2021, 21, 2887.	3.8	12
3	Nonequilibrium electron and lattice dynamics of strongly correlated Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+δ</sub> single crystals. Science Advances, 2018, 4, eaap7427.	10.3	58
4	Microscopic Insight into Electron-Induced Dissociation of Aromatic Molecules on Ice. Physical Review Letters, 2018, 121, 206001.	7.8	10
5	Timing photoemissionâ€”Final state matters. Science, 2016, 353, 28-29.	12.6	2
6	Comparing ultrafast surface and bulk heating using time-resolved electron diffraction. Applied Physics Letters, 2014, 104, .	3.3	12
7	Electronâ€”phonon coupling in quantum-well states of the Pb/Si(111) system. Journal of Physics Condensed Matter, 2014, 26, 352001.	1.8	9
8	Unoccupied electronic structure and relaxation dynamics of Pb/Si(111). Journal of Electron Spectroscopy and Related Phenomena, 2014, 195, 278-284.	1.7	11
9	Transient anisotropy in the electron diffraction of femtosecond laser-excited bismuth. New Journal of Physics, 2012, 14, 103031.	2.9	7
10	The energy barrier in singlet fission can be overcome through coherent coupling and entropic gain. Nature Chemistry, 2012, 4, 840-845.	13.6	294
11	Transient (000)-order attenuation effects in ultrafast transmission electron diffraction. Journal of Applied Physics, 2011, 109, 063519.	2.5	15
12	Communication: Momentum-resolved quantum interference in optically excited surface states. Journal of Chemical Physics, 2011, 135, 031101.	3.0	19
13	Observing the Multiexciton State in Singlet Fission and Ensuing Ultrafast Multielectron Transfer. Science, 2011, 334, 1541-1545.	12.6	468
14	Observation of ultrafast lattice heating using time resolved electron diffraction. Applied Physics Letters, 2009, 94, .	3.3	49
15	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
16	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
17	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
18	Electron-Phonon Energy Transfer in Bismuth Observed by Ultrafast Electron Diffraction. Springer Series in Chemical Physics, 2009, , 110-112.	0.2	1

#	ARTICLE	IF	CITATIONS
19	Ultrathin epitaxially grown bismuth (111) membranes. Applied Physics Letters, 2008, 93, 093102.	3.3	11