S P Moeller

List of Publications by Year
in descending order

21 papers	3,798 citations	566801 15 h-index	794141 19 g-index
21 all docs	21 docs citations	21 times ranked	4169 citing authors

#	Article	IF	Citations
1	First lasing and operation of an Ã¥ngstrom-wavelength free-electron laser. Nature Photonics, 2010, 4, 641-647.	15.6	2,700
2	Probing the transition state region in catalytic CO oxidation on Ru. Science, 2015, 347, 978-982.	6.0	193
3	Observation of the fastest chemical processes in the radiolysis of water. Science, 2020, 367, 179-182.	6.0	149
4	Experimental Demonstration of a Soft X-Ray Self-Seeded Free-Electron Laser. Physical Review Letters, 2015, 114, 054801.	2.9	145
5	Fresh-slice multicolour X-ray free-electron lasers. Nature Photonics, 2016, 10, 745-750.	15.6	131
6	Polarization control in an X-ray free-electron laser. Nature Photonics, 2016, 10, 468-472.	15.6	116
7	The soft x-ray instrument for materials studies at the linac coherent light source x-ray free-electron laser. Review of Scientific Instruments, 2012, 83, 043107.	0.6	103
8	Absolute pulse energy measurements of soft x-rays at the Linac Coherent Light Source. Optics Express, 2014, 22, 21214.	1.7	61
9	Femtosecond X-ray magnetic circular dichroism absorption spectroscopy at an X-ray free electron laser. Review of Scientific Instruments, 2016, 87, 033110.	0.6	50
10	Circular dichroism measurements at an x-ray free-electron laser with polarization control. Review of Scientific Instruments, 2016, 87, 083113.	0.6	29
11	Emitter-site-selective photoelectron circular dichroism of trifluoromethyloxirane. Physical Review A, 2017, 95, .	1.0	22
12	Enhanced charge density wave coherence in a light-quenched, high-temperature superconductor. Science, 2022, 376, 860-864.	6.0	22
13	Principles of femtosecond X-ray/optical cross-correlation with X-ray induced transient optical reflectivity in solids. Applied Physics Letters, 2015, 106, .	1.5	20
14	Site-specific interrogation of an ionic chiral fragment during photolysis using an X-ray free-electron laser. Communications Chemistry, 2021, 4, .	2.0	17
15	Laguerre-Gaussian Mode Laser Heater for Microbunching Instability Suppression in Free-Electron Lasers. Physical Review Letters, 2020, 124, 134801.	2.9	16
16	Damage threshold of platinum coating used for optics for self-seeding of soft x-ray free electron laser. Optics Express, 2015, 23, 5397.	1.7	14
17	The time-resolved atomic, molecular and optical science instrument at the Linac Coherent Light Source. Journal of Synchrotron Radiation, 2022, 29, 957-968.	1.0	5
18	Subthreshold Erosion of an Organic Polymer Induced by Multiple Shots of an X-Ray Free-Electron Laser. Physical Review Applied, 2020, 14, .	1.5	3

#	ARTICLE	IF	CITATIONS
19	Atom-specific activation in CO oxidation. Journal of Chemical Physics, 2018, 149, 234707.	1.2	2
20	Enhancing Linear Accelerator and X-ray Free Electron Laser Brightness with Tailored Laser-Electron Interactions. , 2020, , .		0
21	Imprinting Laser-Particle Micro-correlations to enhance X-ray Free Electron Laser Performance. , 2020, , .		0