

# S P Moeller

## List of Publications by Citations

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18  
papers

3,021  
citations

13  
h-index

21  
g-index

21  
ext. papers

3,452  
ext. citations

12.9  
avg, IF

3.4  
L-index

#	Paper	IF	Citations
18	First lasing and operation of an Ångström-wavelength free-electron laser. <i>Nature Photonics</i> , <b>2010</b> , 4, 641-647	33.9	2216
17	Surface chemistry. Probing the transition state region in catalytic CO oxidation on Ru. <i>Science</i> , <b>2015</b> , 347, 978-82	33.3	150
16	Experimental demonstration of a soft x-ray self-seeded free-electron laser. <i>Physical Review Letters</i> , <b>2015</b> , 114, 054801	7.4	125
15	Fresh-slice multicolour X-ray free-electron lasers. <i>Nature Photonics</i> , <b>2016</b> , 10, 745-750	33.9	97
14	The soft x-ray instrument for materials studies at the linac coherent light source x-ray free-electron laser. <i>Review of Scientific Instruments</i> , <b>2012</b> , 83, 043107	1.7	95
13	Polarization control in an X-ray free-electron laser. <i>Nature Photonics</i> , <b>2016</b> , 10, 468-472	33.9	89
12	Observation of the fastest chemical processes in the radiolysis of water. <i>Science</i> , <b>2020</b> , 367, 179-182	33.3	74
11	Absolute pulse energy measurements of soft x-rays at the Linac Coherent Light Source. <i>Optics Express</i> , <b>2014</b> , 22, 21214-26	3.3	51
10	Femtosecond X-ray magnetic circular dichroism absorption spectroscopy at an X-ray free electron laser. <i>Review of Scientific Instruments</i> , <b>2016</b> , 87, 033110	1.7	42
9	Circular dichroism measurements at an x-ray free-electron laser with polarization control. <i>Review of Scientific Instruments</i> , <b>2016</b> , 87, 083113	1.7	21
8	Principles of femtosecond X-ray/optical cross-correlation with X-ray induced transient optical reflectivity in solids. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 061104	3.4	19
7	Emitter-site-selective photoelectron circular dichroism of trifluoromethyloxirane. <i>Physical Review A</i> , <b>2017</b> , 95,	2.6	17
6	Damage threshold of platinum coating used for optics for self-seeding of soft X-ray free electron laser. <i>Optics Express</i> , <b>2015</b> , 23, 5397-405	3.3	13
5	Laguerre-Gaussian Mode Laser Heater for Microbunching Instability Suppression in Free-Electron Lasers. <i>Physical Review Letters</i> , <b>2020</b> , 124, 134801	7.4	6
4	Subthreshold Erosion of an Organic Polymer Induced by Multiple Shots of an X-Ray Free-Electron Laser. <i>Physical Review Applied</i> , <b>2020</b> , 14,	4.3	2
3	Site-specific interrogation of an ionic chiral fragment during photolysis using an X-ray free-electron laser. <i>Communications Chemistry</i> , <b>2021</b> , 4,	6.3	2
2	Atom-specific activation in CO oxidation. <i>Journal of Chemical Physics</i> , <b>2018</b> , 149, 234707	3.9	1

- 1 Enhanced charge density wave coherence in a light-quenched, high-temperature superconductor..  
*Science*, **2022**, 376, 860-864 333 1