

# Nicola Mahne

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

1,490  
citations

471061

17  
h-index

676716

22  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1777  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-stage seeded soft-X-ray free-electron laser. <i>Nature Photonics</i> , 2013, 7, 913-918.	15.6	424
2	Coherent control with a short-wavelength free-electron laser. <i>Nature Photonics</i> , 2016, 10, 176-179.	15.6	197
3	Two-colour pump-probe experiments with a twin-pulse-seed extreme ultraviolet free-electron laser. <i>Nature Communications</i> , 2013, 4, 2476.	5.8	156
4	The BEAR Beamline at Elettra. <i>AIP Conference Proceedings</i> , 2004, , .	0.3	139
5	Widely tunable two-colour seeded free-electron laser source for resonant-pump resonant-probe magnetic scattering. <i>Nature Communications</i> , 2016, 7, 10343.	5.8	77
6	Nanoscale transient gratings excited and probed by extreme ultraviolet femtosecond pulses. <i>Science Advances</i> , 2019, 5, eaaw5805.	4.7	54
7	The Low Density Matter (LDM) beamline at FERMI: optical layout and first commissioning. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 538-543.	1.0	46
8	Chirped pulse amplification in an extreme-ultraviolet free-electron laser. <i>Nature Communications</i> , 2016, 7, 13688.	5.8	43
9	Molecular orientation in soft matter thin films studied by resonant soft x-ray reflectivity. <i>Physical Review B</i> , 2011, 83, .	1.1	42
10	Two-colour generation in a chirped seeded free-electron laser: a close look. <i>Optics Express</i> , 2013, 21, 22728.	1.7	42
11	Structural and electronic properties of anisotropic ultrathin organic films from dichroic resonant soft x-ray reflectivity. <i>Physical Review B</i> , 2014, 89, .	1.1	37
12	First Evidence of Purely Extreme-Ultraviolet Four-Wave Mixing. <i>Physical Review Letters</i> , 2018, 120, 263901.	2.9	37
13	Extreme-Ultraviolet Vortices from a Free-Electron Laser. <i>Physical Review X</i> , 2017, 7, .	2.8	36
14	Recent results of PADReS, the Photon Analysis Delivery and REduction System, from the FERMI FEL commissioning and user operations. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 565-570.	1.0	31
15	Measuring magnetic profiles at manganite surfaces with monolayer resolution. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 1212-1216.	1.0	21
16	Four-wave-mixing experiments with seeded free electron lasers. <i>Faraday Discussions</i> , 2016, 194, 283-303.	1.6	20
17	Generation and measurement of intense few-femtosecond superradiant extreme-ultraviolet free-electron laser pulses. <i>Nature Photonics</i> , 2021, 15, 523-529.	15.6	20
18	Advances in instrumentation for FEL-based four-wave-mixing experiments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 907, 132-148.	0.7	18

#	ARTICLE	IF	CITATIONS
19	Quantitative resonant soft x-ray reflectivity of ultrathin anisotropic organic layers: Simulation and experiment of PTCDA on Au. Journal of Chemical Physics, 2016, 145, 024201.	1.2	16
20	Nonlinear XUV-optical transient grating spectroscopy at the Si L <sub>2,3</sub> edge. Applied Physics Letters, 2019, 114, 181101.	1.5	15
21	Simultaneous two-color snapshot view on ultrafast charge and spin dynamics in a Fe-Cu-Ni tri-layer. Structural Dynamics, 2020, 7, 054302.	0.9	10
22	Analysis of Resonant Soft X-ray Reflectivity of Anisotropic Layered Materials. Surfaces, 2021, 4, 18-30.	1.0	5
23	The Evolution of KAOS, a Multipurpose Active Optics System for EUV/Soft X-rays. Synchrotron Radiation News, 0, , 1-8.	0.2	4