

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 | Analysis of Resonant Soft X-ray Reflectivity of Anisotropic Layered Materials. <i>Surfaces</i> , 2021, 4, 18-30. | 1.0 | 5 |
| 2 | 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 |
| 3 | Simultaneous two-color snapshot view on ultrafast charge and spin dynamics in a Fe-Cu-Ni tri-layer. <i>Structural Dynamics</i> , 2020, 7, 054302. | 0.9 | 10 |
| 4 | Nanoscale transient gratings excited and probed by extreme ultraviolet femtosecond pulses. <i>Science Advances</i> , 2019, 5, eaaw5805. | 4.7 | 54 |
| 5 | Nonlinear XUV-optical transient grating spectroscopy at the Si L _{2,3} edge. <i>Applied Physics Letters</i> , 2019, 114, 181101. | 1.5 | 15 |
| 6 | 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 |
| 7 | First Evidence of Purely Extreme-Ultraviolet Four-Wave Mixing. <i>Physical Review Letters</i> , 2018, 120, 263901. | 2.9 | 37 |
| 8 | Extreme-Ultraviolet Vortices from a Free-Electron Laser. <i>Physical Review X</i> , 2017, 7, . | 2.8 | 36 |
| 9 | Quantitative resonant soft x-ray reflectivity of ultrathin anisotropic organic layers: Simulation and experiment of PTCDA on Au. <i>Journal of Chemical Physics</i> , 2016, 145, 024201. | 1.2 | 16 |
| 10 | Chirped pulse amplification in an extreme-ultraviolet free-electron laser. <i>Nature Communications</i> , 2016, 7, 13688. | 5.8 | 43 |
| 11 | 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 |
| 12 | Four-wave-mixing experiments with seeded free electron lasers. <i>Faraday Discussions</i> , 2016, 194, 283-303. | 1.6 | 20 |
| 13 | Coherent control with a short-wavelength free-electron laser. <i>Nature Photonics</i> , 2016, 10, 176-179. | 15.6 | 197 |
| 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 | 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 |
| 16 | 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 |
| 17 | Two-stage seeded soft-X-ray free-electron laser. <i>Nature Photonics</i> , 2013, 7, 913-918. | 15.6 | 424 |
| 18 | Two-colour generation in a chirped seeded free-electron laser: a close look. <i>Optics Express</i> , 2013, 21, 22728. | 1.7 | 42 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Two-colour pump-probe experiments with a twin-pulse-seed extreme ultraviolet free-electron laser. Nature Communications, 2013, 4, 2476. | 5.8 | 156 |
| 20 | Molecular orientation in soft matter thin films studied by resonant soft x-ray reflectivity. Physical Review B, 2011, 83, . | 1.1 | 42 |
| 21 | Measuring magnetic profiles at manganite surfaces with monolayer resolution. Journal of Magnetism and Magnetic Materials, 2010, 322, 1212-1216. | 1.0 | 21 |
| 22 | The BEAR Beamline at Elettra. AIP Conference Proceedings, 2004, , . | 0.3 | 139 |
| 23 | The Evolution of KAOS, a Multipurpose Active Optics System for EUV/Soft X-rays. Synchrotron Radiation News, 0, , 1-8. | 0.2 | 4 |