Riccardo Cucini

List of Publications by Year
in descending order

17	769	687363 13	839539 18
papers	citations	h-index	g-index

19	19	19	1129
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Coherent control with a short-wavelength free-electron laser. Nature Photonics, 2016, 10, 176-179.	31.4	197
2	Four-wave mixing experiments with extreme ultraviolet transient gratings. Nature, 2015, 520, 205-208.	27.8	184
3	Acetylacetone photodynamics at a seeded free-electron laser. Nature Communications, 2018, 9, 63.	12.8	72
4	Nanoscale transient gratings excited and probed by extreme ultraviolet femtosecond pulses. Science Advances, 2019, 5, eaaw5805.	10.3	54
5	Pulse Duration of Seeded Free-Electron Lasers. Physical Review X, 2017, 7, .	8.9	47
6	Symmetry breakdown of electron emission in extreme ultraviolet photoionization of argon. Nature Communications, 2018, 9, 4659.	12.8	36
7	Hard X-ray transient grating spectroscopy on bismuth germanate. Nature Photonics, 2021, 15, 499-503.	31.4	31
8	Generation of coherent phonons by coherent extreme ultraviolet radiation in a transient grating experiment. Applied Physics Letters, 2018, 113, .	3.3	28
9	Coherent narrowband light source for ultrafast photoelectron spectroscopy in the 17â€“31 eV photon energy range. Structural Dynamics, 2020, 7, 014303.	2.3	24
10	Four-wave-mixing experiments with seeded free electron lasers. Faraday Discussions, 2016, 194, 283-303.	3.2	20
11	Advances in instrumentation for FEL-based four-wave-mixing experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 907, 132-148.	1.6	18
12	Nonlinear XUV-optical transient grating spectroscopy at the Si L2,3â€“edge. Applied Physics Letters, 2019, 114, 181101.	3.3	15
13	Autoionization dynamics of helium nanodroplets resonantly excited by intense XUV laser pulses. New Journal of Physics, 2020, 22, 083043.	2.9	15
14	Ultrafast Resonant Interatomic Coulombic Decay Induced by Quantum Fluid Dynamics. Physical Review X, 2021, 11, .	8.9	10
15	Optical setup for two-colour experiments at the low density matter beamline of FERMI. Journal of Optics (United Kingdom), 2017, 19, 114010.	2.2	7
16	Quantitative Ultrafast Electronâ€Temperature Dynamics in Photoâ€Excited Au Nanoparticles. Small, 2021, 17, e2100050.	10.0	7
17	Lifetime of Photogenerated Positive Charges in Hybrid Cerium Oxide-Based Materials from Space and Mirror Charge Effects in Time-Resolved Photoemission Spectroscopy. Journal of Physical Chemistry C, 2022, 126, 11174-11181.	3.1	3