

# Filippo Bencivenga

## List of Publications by Year in descending order

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18  
papers

523  
citations

759055

12  
h-index

839398

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19  
docs citations

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times ranked

693  
citing authors

#	ARTICLE	IF	CITATIONS
1	Short-wavelength four wave mixing experiments using single and two-color schemes at FERMI. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2022, 257, 146901.	0.8	2
2	All-Optical Switching on the Nanometer Scale Excited and Probed with Femtosecond Extreme Ultraviolet Pulses. <i>Nano Letters</i> , 2022, 22, 4452-4458.	4.5	9
3	Nanoscale Transient Magnetization Gratings Created and Probed by Femtosecond Extreme Ultraviolet Pulses. <i>Nano Letters</i> , 2021, 21, 2905-2911.	4.5	16
4	Hard X-ray transient grating spectroscopy on bismuth germanate. <i>Nature Photonics</i> , 2021, 15, 499-503.	15.6	31
5	Generation and detection of 50 GHz surface acoustic waves by extreme ultraviolet pulses. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	15
6	Nanoscale Thermoelasticity in Silicon Nitride Membranes: Implications for Thermal Management. <i>ACS Applied Nano Materials</i> , 2021, 4, 10519-10527.	2.4	5
7	Exploring the multiparameter nature of EUV-visible wave mixing at the FERMI FEL. <i>Structural Dynamics</i> , 2019, 6, 040901.	0.9	3
8	Thermoelasticity of Nanoscale Silicon Carbide Membranes Excited by Extreme Ultraviolet Transient Gratings: Implications for Mechanical and Thermal Management. <i>ACS Applied Nano Materials</i> , 2019, 2, 5132-5139.	2.4	10
9	Nanoscale transient gratings excited and probed by extreme ultraviolet femtosecond pulses. <i>Science Advances</i> , 2019, 5, eaaw5805.	4.7	54
10	Nonlinear XUV-optical transient grating spectroscopy at the Si L <sub>2,3</sub> edge. <i>Applied Physics Letters</i> , 2019, 114, 181101.	1.5	15
11	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
12	Generation of coherent phonons by coherent extreme ultraviolet radiation in a transient grating experiment. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	28
13	First Evidence of Purely Extreme-Ultraviolet Four-Wave Mixing. <i>Physical Review Letters</i> , 2018, 120, 263901.	2.9	37
14	Generation of coherent magnons in NiO stimulated by EUV pulses from a seeded free-electron laser. <i>Physical Review Materials</i> , 2017, 1, .	0.9	6
15	Four-wave-mixing experiments with seeded free electron lasers. <i>Faraday Discussions</i> , 2016, 194, 283-303.	1.6	20
16	Multipurpose end-station for coherent diffraction imaging and scattering at FERMI@Elettra free-electron laser facility. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 544-552.	1.0	29
17	Four-wave mixing experiments with extreme ultraviolet transient gratings. <i>Nature</i> , 2015, 520, 205-208.	13.7	184
18	FEL-based transient grating spectroscopy to investigate nanoscale dynamics. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 606, 785-789.	0.7	41