

# Matthias Müller

## List of Publications by Year in descending order

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17  
papers

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citations

1163117

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1125743

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docs citations

17  
times ranked

329  
citing authors

#	ARTICLE	IF	CITATIONS
1	Table-top soft x-ray microscope using laser-induced plasma from a pulsed gas jet. Optics Express, 2014, 22, 23489.	3.4	46
2	The Stable Center: A New Tool to Optimize Ce-Doped Oxide Scintillators. IEEE Transactions on Nuclear Science, 2016, 63, 433-438.	2.0	37
3	Emission properties of ns and ps laser-induced soft x-ray sources using pulsed gas jets. Optics Express, 2013, 21, 12831.	3.4	32
4	Near-edge x-ray absorption fine structure spectroscopy at atmospheric pressure with a table-top laser-induced soft x-ray source. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2016, 34, .	2.1	21
5	EUV damage threshold measurements of Mo/Si multilayer mirrors. Applied Physics A: Materials Science and Processing, 2012, 108, 263-267.	2.3	13
6	Confinement of phonon propagation in laser deposited tungsten/polycarbonate multilayers. New Journal of Physics, 2016, 18, 092002.	2.9	12
7	Laboratory-scale near-edge X-ray absorption fine structure spectroscopy with a laser-induced plasma source. Journal of Analytical Atomic Spectrometry, 2019, 34, 1779-1785.	3.0	10
8	Brilliance improvement of laser-produced extreme ultraviolet and soft x-ray plasmas based on pulsed gas jets. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, 031303.	2.1	9
9	High-Resolution Table-Top NEXAFS Spectroscopy. Analytical Chemistry, 2022, 94, 3510-3516.	6.5	8
10	Damage of multilayer optics with varying capping layers induced by focused extreme ultraviolet beam. Journal of Applied Physics, 2013, 113, 203106.	2.5	7
11	Short-wavelength ablation of polymers in the high-fluence regime. Physica Scripta, 2014, T161, 014066.	2.5	6
12	Table-top soft X-ray microscopy with a laser-induced plasma source based on a pulsed gas-jet. AIP Conference Proceedings, 2016, , .	0.4	6
13	Improved gas-jet based extreme ultraviolet, soft X-ray laser plasma source. Optics Express, 2021, 29, 6620.	3.4	4
14	Characterisation of EUV damage thresholds and imaging performance of Mo/Si multilayer mirrors. Proceedings of SPIE, 2013, , .	0.8	0
15	EUV ablation of organic polymers at a high fluence. High Power Laser Science and Engineering, 2014, 2, .	4.6	0
16	Table-top EUV/soft x-ray source for metrological applications. , 2019, , .		0
17	Laboratory-Scale Soft X-ray Source for Microscopy and Absorption Spectroscopy. Topics in Applied Physics, 2020, , 549-559.	0.8	0