

# Alessia Matruglio

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1454512/publications.pdf>

Version: 2024-02-01

12  
papers

273  
citations

1307594

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h-index

1281871

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docs citations

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times ranked

541  
citing authors

#	ARTICLE	IF	CITATIONS
1	Addressable Graphene Encapsulation of Wet Specimens on a Chip for Optical, Electron, Infrared, and X-ray based Spectromicroscopy Studies. Lab on A Chip, 2021, 21, 4618-4628.	6.0	5
2	Using In-Situ Laboratory and Synchrotron-Based X-ray Diffraction for Lithium-Ion Batteries Characterization: A Review on Recent Developments. Condensed Matter, 2020, 5, 75.	1.8	37
3	Graphene Membrane Encapsulation Platform for Multi-technique Spectromicroscopy of Wet Objects. Microscopy and Microanalysis, 2020, 26, 2228-2229.	0.4	0
4	Timing methodologies and studies at the FERMI free-electron laser. Journal of Synchrotron Radiation, 2018, 25, 44-51.	2.4	5
5	Graphene liquid cells for multi-technique analysis of biological cells in water environment. Journal of Instrumentation, 2018, 13, C05016-C05016.	1.2	22
6	Silicon Carbide membranes as substrate for Synchrotron measurements. Journal of Instrumentation, 2018, 13, C05017-C05017.	1.2	18
7	Single-layer graphene modulates neuronal communication and augments membrane ion currents. Nature Nanotechnology, 2018, 13, 755-764.	31.5	120
8	Graphene nanobubbles on TiO <sub>2</sub> for in-operando electron spectroscopy of liquid-phase chemistry. Nanoscale, 2017, 9, 4456-4466.	5.6	32
9	Graphene Nanoreactors: Photoreduction of Prussian Blue in Aqueous Solution. Journal of Physical Chemistry C, 2017, 121, 22225-22233.	3.1	12
10	Toward an integrated device for spatiotemporal superposition of free-electron lasers and laser pulses. Optics Letters, 2016, 41, 5090.	3.3	3
11	Contamination-free suspended graphene structures by a Ti-based transfer method. Carbon, 2016, 103, 305-310.	10.3	15
12	A novel approach in the free-electron laser diagnosis based on a pixelated phosphor detector. Journal of Synchrotron Radiation, 2016, 23, 29-34.	2.4	4