

# Alessandro MagazzÀ<sup>1</sup>

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7777967/publications.pdf>

Version: 2024-02-01

19  
papers

740  
citations

933447

10  
h-index

1199594

12  
g-index

20  
all docs

20  
docs citations

20  
times ranked

919  
citing authors

#	ARTICLE	IF	CITATIONS
1	Raman Tweezers for Small Microplastics and Nanoplastics Identification in Seawater. Environmental Science & Technology, 2019, 53, 9003-9013.	10.0	194
2	Optical tweezers and their applications. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 218, 131-150.	2.3	150
3	Optical tweezers "from calibration to applications: a tutorial. Advances in Optics and Photonics, 2021, 13, 74.	25.5	127
4	Polarization-dependent optomechanics mediated by chiral microresonators. Nature Communications, 2014, 5, 3656.	12.8	74
5	Microscopic Engine Powered by Critical Demixing. Physical Review Letters, 2018, 120, 068004.	7.8	52
6	Photonic Torque Microscopy of the Nonconservative Force Field for Optically Trapped Silicon Nanowires. Nano Letters, 2016, 16, 4181-4188.	9.1	39
7	Wavelength-Dependent Optical Force Aggregation of Gold Nanorods for SERS in a Microfluidic Chip. Journal of Physical Chemistry C, 2019, 123, 5608-5615.	3.1	38
8	Controlling the dynamics of colloidal particles by critical Casimir forces. Soft Matter, 2019, 15, 2152-2162.	2.7	21
9	Raman tweezers for tire and road wear micro- and nanoparticles analysis. Environmental Science: Nano, 2022, 9, 145-161.	4.3	14
10	Role of water on formation and structural features of Maya blue. Journal of Physics: Conference Series, 2012, 340, 012109.	0.4	13
11	Optical tweezers: a non-destructive tool for soft and biomaterial investigations. Rendiconti Lincei, 2015, 26, 203-218.	2.2	9
12	Optical trapping and critical Casimir forces. European Physical Journal Plus, 2021, 136, 1.	2.6	8
13	Machine learning to enhance the calculation of optical forces in the geometrical optics approximation. , 2021, , .		1
14	Polarization Dependent Optical Forces on Chiral Microresonators. , 2014, , .		0
15	Experimental investigation of critical Casimir forces in binary liquid mixtures by blinking optical tweezers. , 2017, , .		0
16	Microscopic engine powered by critical demixing. , 2017, , .		0
17	A Critical Microscopic Engine in an Optical Tweezers. , 2018, , .		0
18	FORMA and BEFORE: expanding applications of optical tweezers. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	Raman Tweezers for single nanoplastic particles analysis in liquid environment. , 2021, , .		0