

Alessandro Magazzà¹

List of Publications by Year in descending order

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

#	ARTICLE	IF	CITATIONS
19	Role of water on formation and structural features of Maya blue. Journal of Physics: Conference Series, 2012, 340, 012109.	0.4	13