Domna G Kotsifaki

List of Publications by Year
in descending order

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26 papers	366 citations	933447 10 h-index	996975 15 g-index
29 all docs	29 docs citations	29 times ranked	323 citing authors

#	Article	IF	Citations
1	Plasmonic optical tweezers based on nanostructures: fundamentals, advances and prospects. Nanophotonics, 2019, 8, 1227-1245.	6.0	101
2	Fano-Resonant, Asymmetric, Metamaterial-Assisted Tweezers for Single Nanoparticle Trapping. Nano Letters, 2020, 20, 3388-3395.	9.1	52
3	Analysis of small microplastics in coastal surface water samples of the subtropical island of Okinawa, Japan. Science of the Total Environment, 2021, 760, 143927.	8.0	41
4	Plasmon enhanced optical tweezers with gold-coated black silicon. Scientific Reports, 2016, 6, 26275.	3.3	34
5	Dynamic multiple nanoparticle trapping using metamaterial plasmonic tweezers. Applied Physics Letters, 2021, 118, .	3.3	25
6	Near-field enhanced optical tweezers utilizing femtosecond-laser nanostructured substrates. Applied Physics Letters, 2015, 107, .	3.3	19
7	Fast and efficient nanoparticle trapping using plasmonic connected nanoring apertures. Nanotechnology, 2021, 32, 025507.	2.6	16
8	The role of temperature-induced effects generated by plasmonic nanostructures on particle delivery and manipulation: a review. Nanophotonics, 2022, 11, 2199-2218.	6.0	15
9	Optical tweezers with enhanced efficiency based on laser-structured substrates. Applied Physics Letters, 2012, 101, .	3.3	14
10	Mid-infrared radiation transmission through fluoride glass multimode optical fibers. Optics and Laser Technology, 2011, 43, 1448-1452.	4.6	12
11	Nanometric plasmonic optical trapping on gold nanostructures. EPJ Applied Physics, 2019, 86, 30501.	0.7	10
12	Efficient and low cost multiple optical trap, based on interference. Optik, 2013, 124, 617-621.	2.9	9
13	Pulsed infrared radiation transmission through hollow silica waveguides. Optics and Laser Technology, 2009, 41, 365-373.	4.6	6
14	Geometrical effect characterization of femtosecond-laser manufactured glass microfluidic chips based on optical manipulation of submicroparticles. Optical Engineering, 2017, 56, 1.	1.0	3
15	<title>Ultra-violet laser microbeam and optical trapping for cell micromanipulation</title>. , 2007, , .		2
16	Near infrared optical tweezers and nanosecond ablation on yeast and algae cells. Proceedings of SPIE, 2013, , .	0.8	2
17	Detection and analysis of microplastics in the subtropical ocean of Okinawa using micro-Raman Optical Tweezers. , 2021, , .		2
18	Biophotonics for imaging and cell manipulation: quo vadis?. , 2017, , .		1

#	Article	IF	Citations
19	Giant optical forces using an array of asymmetric split-ring plasmonic nanostructures. , 2021, , .		1
20	Plasmonic annular aperture arrays for nanoparticle manipulation. , 2019, , .		1
21	Radiation pressure effects in diamond structure and III-V semiconductors. , 2008, , .		0
22	Optical tweezers and manipulation of PMMA beads in various conditions. , 2009, , .		0
23	Paper surface modification by lasers. , 2010, , .		0
24	Fibers and fiber end sealing caps for Er:YAG laser ablation. , 2010, , .		0
25	Micromanipulation of cells and microparticles using optical fibers. , 2011, , .		0
26	Raman optical tweezers for microplastic pollution identification in the surface waters of Okinawa. , 2021, , .		0