

Xiangchao Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

246
citations

1307366

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1588896

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g-index

19
all docs

19
docs citations

19
times ranked

352
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoporous Metals: From Plasmonic Properties to Applications in Enhanced Spectroscopy and Photocatalysis. ACS Nano, 2021, 15, 6038-6060.	7.3	120
2	Beyond Noble Metals: High Q -Factor Aluminum Nanoplasmonics. ACS Photonics, 2020, 7, 416-424.	3.2	39
3	Electro-plasmonic nanoantenna: A nonfluorescent optical probe for ultrasensitive label-free detection of electrophysiological signals. Science Advances, 2019, 5, eaav9786.	4.7	33
4	Active plasmonic nanoantenna: an emerging toolbox from photonics to neuroscience. Nanophotonics, 2020, 9, 3805-3829.	2.9	15
5	Simulation of laser-generated longitudinal and shear ultrasonic waves in a diamond anvil cell by the finite element method. Journal of Applied Physics, 2012, 111, 013107.	1.1	10
6	Mechanisms of Fano-resonant biosensing: Mechanical loading of plasmonic oscillators. Optics Communications, 2020, 469, 125780.	1.0	10
7	Plasmo-fluidic Microlenses for Label-Free Optical Sorting of Exosomes. Scientific Reports, 2019, 9, 8593.	1.6	9
8	Nanostructure Introduces Artifacts in Quantitative Immunofluorescence by Influencing Fluorophore Intensity. Scientific Reports, 2017, 7, 427.	1.6	7
9	Optofluidic chromatography: label-free sorting of exosomes with plasmonic microlenses. , 2019, , .		2
10	Plasmo-fluidic Nanoporous Gold Membranes for Ultrasensitive Raman Spectroscopy. , 2019, , .		1
11	Influence of initial time of laser ultrasonic on calculating its propagation velocity in a diamond anvil cell. Ultrasonics, 2013, 53, 701-705.	2.1	0
12	Electro-Active Plasmonics for Label-Free Voltage Sensing and Electrophysiology. , 2020, , .		0
13	Plasmonic Nanopores: Optofluidic Separation of Nano-Bioparticles via Negative Depletion. , 0, , .		0
14	Plasmonic NanoLenses: Size Based Sorting of Bacteria Like Bio-Particles. , 2015, , .		0
15	Plasmonic nanolenses and metasurfaces for sorting single bacterial cells. SPIE Newsroom, 0, , .	0.1	0
16	Optofluidic Chromatography: A Tunable Plasmonic Microlens for Label-Free On-Flight Sorting of Exosomes. , 2020, , .		0
17	Electro-plasmonic nanoresonators for wireless voltage sensing and ultra-high bandwidth brain computer interfaces. , 2020, , .		0
18	Ultrasensitive Field-Effect Plasmonics: Electro-Active Probes for Wireless Voltage Sensing and Electrophysiology. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	Electro-Plasmonic Biosensors for Ultrasensitive Imaging of Electric Field Dynamics and Bioelectric Cell Signaling., 2021, , .		0