

Guo Chen

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

417
citations

840776

11
h-index

794594

19
g-index

33
all docs

33
docs citations

33
times ranked

674
citing authors

#	ARTICLE	IF	CITATIONS
1	Coalescence of Pickering Emulsion Droplets Induced by an Electric Field. <i>Physical Review Letters</i> , 2013, 110, 064502.	7.8	46
2	Emergent Field-Driven Robot Swarm States. <i>Physical Review Letters</i> , 2021, 126, 108002.	7.8	44
3	Fano resonance assisting plasmonic circular dichroism from nanorice heterodimers for extrinsic chirality. <i>Scientific Reports</i> , 2015, 5, 16069.	3.3	37
4	Application of Microfluidics in Wearable Devices. <i>Small Methods</i> , 2019, 3, 1900688.	8.6	37
5	The Impact of Hybrid Compositional Film/Structure on Organic-Inorganic Perovskite Solar Cells. <i>Nanomaterials</i> , 2018, 8, 356.	4.1	30
6	Metal Nanoparticle-Nanowire Assisted SERS on Film. <i>Journal of Physical Chemistry C</i> , 2015, 119, 19376-19381.	3.1	24
7	Realizations of highly heterogeneous collagen networks via stochastic reconstruction for micromechanical analysis of tumor cell invasion. <i>Physical Review E</i> , 2018, 97, 033311.	2.1	23
8	Drop impacting on a surface with adjustable wettability based on the dielectrowetting effect. <i>Physics of Fluids</i> , 2020, 32, .	4.0	17
9	Modeling three-dimensional invasive solid tumor growth in heterogeneous microenvironment under chemotherapy. <i>PLoS ONE</i> , 2018, 13, e0206292.	2.5	16
10	Microfabrication-Based Three-Dimensional (3-D) Extracellular Matrix Microenvironments for Cancer and Other Diseases. <i>International Journal of Molecular Sciences</i> , 2018, 19, 935.	4.1	16
11	Hollow Au-Ag Alloy Nanorices and Their Optical Properties. <i>Nanomaterials</i> , 2017, 7, 255.	4.1	14
12	Relaxation of liquid bridge after droplets coalescence. <i>AIP Advances</i> , 2016, 6, 115115.	1.3	12
13	Nanowire assisted repeatable DEP-SERS detection in microfluidics. <i>Nanotechnology</i> , 2019, 30, 475202.	2.6	12
14	Multifunctional atomic force probes for Mn ²⁺ doped perovskite solar cells. <i>Journal of Power Sources</i> , 2019, 425, 130-137.	7.8	11
15	Shannon entropy for time-varying persistence of cell migration. <i>Biophysical Journal</i> , 2021, 120, 2552-2565.	0.5	10
16	Robots as models of evolving systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2120019119.	7.1	10
17	SKPM study on organic-inorganic perovskite materials. <i>AIP Advances</i> , 2018, 8, .	1.3	9
18	Electromagnetic field redistribution induced selective plasmon driven surface catalysis in metal nanowire-film systems. <i>Scientific Reports</i> , 2015, 5, 17223.	3.3	7

