## Guo Chen

## List of Publications by Year in descending order

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840776 794594 33 417 11 19 citations h-index g-index papers 33 33 33 674 citing authors docs citations times ranked all docs

#	Article	IF	CITATIONS
1	Coalescence of Pickering Emulsion Droplets Induced by an Electric Field. Physical Review Letters, 2013, 110, 064502.	7.8	46
2	Emergent Field-Driven Robot Swarm States. Physical Review Letters, 2021, 126, 108002.	7.8	44
3	Fano resonance assisting plasmonic circular dichroism from nanorice heterodimers for extrinsic chirality. Scientific Reports, 2015, 5, 16069.	3.3	37
4	Application of Microfluidics in Wearable Devices. Small Methods, 2019, 3, 1900688.	8.6	37
5	The Impact of Hybrid Compositional Film/Structure on Organic–Inorganic Perovskite Solar Cells. Nanomaterials, 2018, 8, 356.	4.1	30
6	Metal Nanoparticle–Nanowire Assisted SERS on Film. Journal of Physical Chemistry C, 2015, 119, 19376-19381.	3.1	24
7	Realizations of highly heterogeneous collagen networks via stochastic reconstruction for micromechanical analysis of tumor cell invasion. Physical Review E, 2018, 97, 033311.	2.1	23
8	Drop impacting on a surface with adjustable wettability based on the dielectrowetting effect. Physics of Fluids, 2020, 32, .	4.0	17
9	Modeling three-dimensional invasive solid tumor growth in heterogeneous microenvironment under chemotherapy. PLoS ONE, 2018, 13, e0206292.	2.5	16
10	Microfabrication-Based Three-Dimensional (3-D) Extracellular Matrix Microenvironments for Cancer and Other Diseases. International Journal of Molecular Sciences, 2018, 19, 935.	4.1	16
11	Hollow Au–Ag Alloy Nanorices and Their Optical Properties. Nanomaterials, 2017, 7, 255.	4.1	14
12	Relaxation of liquid bridge after droplets coalescence. AIP Advances, 2016, 6, 115115.	1.3	12
13	Nanowire assisted repeatable DEP–SERS detection in microfluidics. Nanotechnology, 2019, 30, 475202.	2.6	12
14	Multifunctional atomic force probes for Mn2+ doped perovskite solar cells. Journal of Power Sources, 2019, 425, 130-137.	7.8	11
15	Shannon entropy for time-varying persistence of cell migration. Biophysical Journal, 2021, 120, 2552-2565.	0.5	10
16	Robots as models of evolving systems. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2120019119.	7.1	10
17	SKPM study on organic-inorganic perovskite materials. AIP Advances, 2018, 8, .	1.3	9
18	Electromagnetic field redistribution induced selective plasmon driven surface catalysis in metal nanowire-film systems. Scientific Reports, 2015, 5, 17223.	3.3	7

#	Article	IF	CITATIONS
19	Selective plasmon driven surface catalysis in metal triangular nanoplate-molecule-film sandwich structure. Chemical Physics Letters, 2015, 639, 47-51.	2.6	6
20	Drop impacting on a single layer of particles: Evolution of ring without particles. Physics of Fluids, 2019, 31, 047107.	4.0	5
21	Morphological quantification of proliferation-to-invasion transition in tumor spheroids. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129460.	2.4	5
22	Development of elastic artificial vessels with a digital pulse flow system to investigate the risk of restenosis and vasospasm. Lab on A Chip, 2020, 20, 3051-3059.	6.0	5
23	Ascertaining Plasmonic Hot Electrons Generation from Plasmon Decay in Hybrid Plasmonic Modes. Plasmonics, 2016, 11, 909-915.	3.4	4
24	Growth dynamics of bubbles on a pore-patterned surface under reduced pressure. Physics of Fluids, 2019, 31, .	4.0	4
25	Biological gel-based microchamber array for tumor cell proliferation and migration studies in well-controlled biochemical gradients. Lab on A Chip, 2021, 21, 3004-3018.	6.0	4
26	Controlled generation of cell–laden hydrogel microspheres with core–shell scaffold mimicking microenvironment of tumor. Chinese Physics B, 2018, 27, 128703.	1.4	3
27	Nonlinear dynamics of cell migration in anisotropic microenvironment*. Chinese Physics B, 2021, 30, 090505.	1.4	3
28	Deriving time-varying cellular motility parameters via wavelet analysis. Physical Biology, 2021, 18, 046007.	1.8	2
29	Optimal Revascularization Strategy on Medina 0,1,0 Left Main Bifurcation Lesions in Type 2 Diabetes. Journal of Diabetes Research, 2016, 2016, 1-10.	2.3	1
30	Drop expansion driven by bubbling on microscale patterned substrates under low air pressure. Chemical Engineering Journal, 2020, 391, 123547.	12.7	0
04	The crystal structure of poly[bis(N,N-dimethylformamide-l̂º1O)(l̂¹⁄44-) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf		
31	N,N-dimethylformamide (1/2), C36H40N4O16Mn. Zeitschrift Fur Kristallographie - New Crystal Structures. 2020. 235. 1015-1017.	0.3	0
32	Poly[bis(dimethylformamide-κO)-(ν48-5,5′′-dicarboxy-[1,1′:4′,1′′-terphenyl]-2′,3,3′′,5′,6€² dimethylformamide (1/2), C18H19N2O8Zn. Zeitschrift Fur Kristallographie - New Crystal Structures, 2020, 235, 1011-1013.	′-tetraca 0.3	arboxylato-κ8 O
33	A 3D biophysical model for cancer spheroid cell-enhanced invasion in collagen-oriented fiber microenvironment*. Chinese Physics B, 2020, 29, 098702.	1.4	O