

# Guo Chen

## List of Publications by Year in descending order

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33  
papers

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citations

840776

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h-index

794594

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g-index

33  
all docs

33  
docs citations

33  
times ranked

674  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Emergent Field-Driven Robot Swarm States. Physical Review Letters, 2021, 126, 108002.	7.8	44
4	Deriving time-varying cellular motility parameters via wavelet analysis. Physical Biology, 2021, 18, 046007.	1.8	2
5	Shannon entropy for time-varying persistence of cell migration. Biophysical Journal, 2021, 120, 2552-2565.	0.5	10
6	Nonlinear dynamics of cell migration in anisotropic microenvironment*. Chinese Physics B, 2021, 30, 090505.	1.4	3
7	Morphological quantification of proliferation-to-invasion transition in tumor spheroids. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129460.	2.4	5
8	Drop expansion driven by bubbling on microscale patterned substrates under low air pressure. Chemical Engineering Journal, 2020, 391, 123547.	12.7	0
9	Drop impacting on a surface with adjustable wettability based on the dielectrowetting effect. Physics of Fluids, 2020, 32, .	4.0	17
10	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
11	The crystal structure of poly[bis(N,N-dimethylformamide- $\hat{p}$ 1O)( $\hat{p}$ 1/4-) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 352 Td (2 $\hat{a}$ $\hat{e}$ $\hat{2}$ ,5,5 $\hat{a}$ $\hat{e}$ $\hat{2}$ N,N-dimethylformamide (1/2), C36H40N4O16Mn. Zeitschrift Fur Kristallographie - New Crystal Structures, 2020, 235, 1015-1017.	0.3	0
12	Poly[bis(dimethylformamide- $\hat{p}$ O)-( $\hat{p}$ 1/48-5,5 $\hat{a}$ $\hat{e}$ $\hat{2}$ $\hat{a}$ $\hat{e}$ $\hat{2}$ -dicarboxy-[1,1 $\hat{a}$ $\hat{e}$ $\hat{2}$ :4 $\hat{a}$ $\hat{e}$ $\hat{2}$ ,1 $\hat{a}$ $\hat{e}$ $\hat{2}$ $\hat{a}$ $\hat{e}$ $\hat{2}$ -terphenyl]-2 $\hat{a}$ $\hat{e}$ $\hat{2}$ ,3,3 $\hat{a}$ $\hat{e}$ $\hat{2}$ $\hat{a}$ $\hat{e}$ $\hat{2}$ ,5 $\hat{a}$ $\hat{e}$ $\hat{2}$ -tetracarboxylato- $\hat{p}$ 8 $\hat{a}$ $\hat{e}$ $\hat{2}$ dimethylformamide (1/2), C18H19N2O8Zn. Zeitschrift Fur Kristallographie - New Crystal Structures, 2020, 235, 1011-1013.	0.3	0
13	A 3D biophysical model for cancer spheroid cell-enhanced invasion in collagen-oriented fiber microenvironment*. Chinese Physics B, 2020, 29, 098702.	1.4	0
14	Application of Microfluidics in Wearable Devices. Small Methods, 2019, 3, 1900688.	8.6	37
15	Growth dynamics of bubbles on a pore-patterned surface under reduced pressure. Physics of Fluids, 2019, 31, .	4.0	4
16	Nanowire assisted repeatable DEP $\hat{a}$ $\hat{e}$ $\hat{2}$ SERS detection in microfluidics. Nanotechnology, 2019, 30, 475202.	2.6	12
17	Drop impacting on a single layer of particles: Evolution of ring without particles. Physics of Fluids, 2019, 31, 047107.	4.0	5
18	Multifunctional atomic force probes for Mn $\hat{2}$ + doped perovskite solar cells. Journal of Power Sources, 2019, 425, 130-137.	7.8	11

#	ARTICLE	IF	CITATIONS
19	SKPM study on organic-inorganic perovskite materials. <i>AIP Advances</i> , 2018, 8, .	1.3	9
20	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
21	Controlled generation of cell-laden hydrogel microspheres with core-shell scaffold mimicking microenvironment of tumor. <i>Chinese Physics B</i> , 2018, 27, 128703.	1.4	3
22	Modeling three-dimensional invasive solid tumor growth in heterogeneous microenvironment under chemotherapy. <i>PLoS ONE</i> , 2018, 13, e0206292.	2.5	16
23	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
24	The Impact of Hybrid Compositional Film/Structure on Organic-Inorganic Perovskite Solar Cells. <i>Nanomaterials</i> , 2018, 8, 356.	4.1	30
25	Hollow Au-Ag Alloy Nanorices and Their Optical Properties. <i>Nanomaterials</i> , 2017, 7, 255.	4.1	14
26	Optimal Revascularization Strategy on Medina 0,1,0 Left Main Bifurcation Lesions in Type 2 Diabetes. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-10.	2.3	1
27	Relaxation of liquid bridge after droplets coalescence. <i>AIP Advances</i> , 2016, 6, 115115.	1.3	12
28	Ascertaining Plasmonic Hot Electrons Generation from Plasmon Decay in Hybrid Plasmonic Modes. <i>Plasmonics</i> , 2016, 11, 909-915.	3.4	4
29	Fano resonance assisting plasmonic circular dichroism from nanorice heterodimers for extrinsic chirality. <i>Scientific Reports</i> , 2015, 5, 16069.	3.3	37
30	Electromagnetic field redistribution induced selective plasmon driven surface catalysis in metal nanowire-film systems. <i>Scientific Reports</i> , 2015, 5, 17223.	3.3	7
31	Metal Nanoparticle-Nanowire Assisted SERS on Film. <i>Journal of Physical Chemistry C</i> , 2015, 119, 19376-19381.	3.1	24
32	Selective plasmon driven surface catalysis in metal triangular nanoplate-molecule-film sandwich structure. <i>Chemical Physics Letters</i> , 2015, 639, 47-51.	2.6	6
33	Coalescence of Pickering Emulsion Droplets Induced by an Electric Field. <i>Physical Review Letters</i> , 2013, 110, 064502.	7.8	46