

Guiren Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4971084/publications.pdf>

Version: 2024-02-01

41
papers

829
citations

623734

14
h-index

501196

28
g-index

42
all docs

42
docs citations

42
times ranked

1077
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrokinetic mixing of two fluids with equivalent conductivity. Chinese Journal of Chemical Engineering, 2022, 42, 256-260.	3.5	5
2	Depletion of carbon dots in stimulated emission depletion microscopy developed with 405/532-nm continuous-wave lasers. Journal of Modern Optics, 2022, 69, 427-435.	1.3	0
3	Rapid AC Electrokinetic Micromixer with Electrically Conductive Sidewalls. Micromachines, 2022, 13, 34.	2.9	4
4	A Stable NanoPAA-ZnO/ZnCl ₂ Composite with Variable 3D Structured Morphology and Sustained Superhydrophilicity. Langmuir, 2021, 37, 5457-5463.	3.5	3
5	Transition from periodic to chaotic AC electroosmotic flows near electric double layer. AIChE Journal, 2021, 67, e17148.	3.6	7
6	A tentative study of the transport of energy and other scalar quantities in forced turbulence driven by α -type volume forces. Journal of Hydrodynamics, 2021, 33, 1271-1281.	3.2	1
7	Large-Scale Flow in Micro Electrokinetic Turbulent Mixer. Micromachines, 2020, 11, 813.	2.9	8
8	Asymmetric temporal variation of oscillating AC electroosmosis with a steady pressure-driven flow. Experiments in Fluids, 2020, 61, 1.	2.4	5
9	Microfluidic-assisted polymer-protein assembly to fabricate homogeneous functional nanoparticles. Materials Science and Engineering C, 2020, 111, 110768.	7.3	43
10	Fluorescent Nanoparticles for Stimulated Emission Depletion Microscopy. Journal of Nanoscience and Nanotechnology, 2020, 20, 2308-2315.	0.9	1
11	A special three-layer step-index fiber for building compact STED systems. Scientific Reports, 2019, 9, 8455.	3.3	6
12	Artificial Cellulosome Complex from the Self-Assembly of Ni-NTA-Functionalized Polymeric Micelles and Cellulases. ChemBioChem, 2019, 20, 1394-1399.	2.6	20
13	Parametric study of the emission spectra and photobleaching time constants of a fluorescent dye in laser induced fluorescence photobleaching anemometer (LIFPA) applications. Experiments in Fluids, 2019, 60, 1.	2.4	2
14	Cascade of turbulent energy and scalar variance in DC electrokinetic turbulence. Physica D: Nonlinear Phenomena, 2019, 399, 42-50.	2.8	5
15	Counter-rotating vortex shedding generated by acoustic excitations in confined mixing layers. AIChE Journal, 2019, 65, e16577.	3.6	1
16	Drug screening assay based on the interaction of intact Keap1 and Nrf2 proteins in cancer cells. Bioorganic and Medicinal Chemistry, 2019, 27, 92-99.	3.0	3
17	Study of Oscillating Electroosmotic Flows with High Temporal and Spatial Resolution. Analytical Chemistry, 2018, 90, 1652-1659.	6.5	13
18	Studying compaction-decompaction of DNA molecules induced by surfactants. Biochemical and Biophysical Research Communications, 2018, 495, 2559-2565.	2.1	11

#	ARTICLE	IF	CITATIONS
19	Abnormal Rheological Phenomena in Newtonian Fluids in Electroosmotic Flows in a Nanocapillary. <i>Langmuir</i> , 2018, 34, 15203-15210.	3.5	4
20	Mechanisms of rectangular groove-induced multiple-microdroplet coalescences. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2017, 33, 585-594.	3.4	4
21	Rapid mixing by turbulent-like electrokinetic microflow. <i>Chemical Engineering Science</i> , 2017, 165, 113-121.	3.8	19
22	Current characteristics of λ -DNA molecules/polystyrene nanoparticles in TBE buffer solution through micro/nanofluidic capillaries under DC electric field. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 125401.	2.8	3
23	Experimental Investigations on Fluorescence Excitation and Depletion of Carbon Dots. <i>Journal of Fluorescence</i> , 2017, 27, 1435-1441.	2.5	3
24	Influence of concentration on distribution properties of stretched-DNA in the MEC studied with fluorescence imaging and drop shape analyzing. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 151, 11-18.	5.0	0
25	Scaling of velocity and scalar structure functions in ac electrokinetic turbulence. <i>Physical Review E</i> , 2017, 95, 023111.	2.1	12
26	AC Electrokinetic Fast Mixing in Non-Parallel Microchannels. <i>Chemical Engineering Communications</i> , 2017, 204, 190-197.	2.6	15
27	Synthesis and photoluminescence enhancement of nano-PAA-ZnCl ₂ with controllable dimension and morphology. <i>Applied Surface Science</i> , 2016, 390, 122-130.	6.1	8
28	On micro-electrokinetic scalar turbulence in microfluidics at a low Reynolds number. <i>Lab on A Chip</i> , 2016, 16, 1030-1038.	6.0	30
29	Microelectrokinetic turbulence in microfluidics at low Reynolds number. <i>Physical Review E</i> , 2016, 93, 013106.	2.1	23
30	Measurement of velocity fluctuations in microfluidics with simultaneously ultrahigh spatial and temporal resolution. <i>Experiments in Fluids</i> , 2016, 57, 1.	2.4	162
31	Corrections on LIFPA velocity measurements in microchannel with moderate velocity fluctuations. <i>Experiments in Fluids</i> , 2015, 56, 1.	2.4	7
32	Current characteristic signals of aqueous solution transferring through microfluidic channel under non-continuous DC electric field. <i>AIP Advances</i> , 2014, 4, 107139.	1.3	8
33	Separation of tumor cells with dielectrophoresis-based microfluidic chip. <i>Biomicrofluidics</i> , 2013, 7, 11803.	2.4	154
34	Experimental investigations on fluorescence excitation and depletion of ATTO 390 dye. <i>Optics and Laser Technology</i> , 2013, 45, 723-725.	4.6	8
35	Dielectrophoretic Separation of Prostate Cancer Cells. <i>Technology in Cancer Research and Treatment</i> , 2013, 12, 61-70.	1.9	17
36	Ultrafast measurement of transient electroosmotic flow in microfluidics. <i>Microfluidics and Nanofluidics</i> , 2011, 11, 353-358.	2.2	15

#	ARTICLE	IF	CITATIONS
37	A dynamic piezoelectric micropumping phenomenon. <i>Microfluidics and Nanofluidics</i> , 2010, 9, 385-396.	2.2	15
38	Dielectrophoretic separation of colorectal cancer cells. <i>Biomicrofluidics</i> , 2010, 4, 13204.	2.4	91
39	A novel far-field nanoscopic velocimetry for nanofluidics. <i>Lab on A Chip</i> , 2010, 10, 240-245.	6.0	36
40	Measuring flow velocity distribution in microchannels using molecular tracers. <i>Microfluidics and Nanofluidics</i> , 2009, 7, 509-517.	2.2	18
41	Numerical analysis of electrokinetic transport in micro-nanofluidic interconnect preconcentrator in hydrodynamic flow. <i>Microfluidics and Nanofluidics</i> , 2009, 7, 683-696.	2.2	39