

Chun Yang

List of Publications by Year in descending order

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Version: 2024-02-01

335
papers

14,044
citations

28274

55
h-index

26613

107
g-index

347
all docs

347
docs citations

347
times ranked

10679
citing authors

#	ARTICLE	IF	CITATIONS
1	Current commercial dPCR platforms: technology and market review. <i>Critical Reviews in Biotechnology</i> , 2023, 43, 433-464.	9.0	33
2	Freezing characteristics of deposited water droplets on hydrophilic and hydrophobic cold surfaces. <i>International Journal of Thermal Sciences</i> , 2022, 171, 107241.	4.9	16
3	Membrane-based indirect power generation technologies for harvesting salinity gradient energy - A review. <i>Desalination</i> , 2022, 525, 115485.	8.2	17
4	Fibrinogen improves liver function via promoting cell aggregation and fibronectin assembly in hepatic spheroids. <i>Biomaterials</i> , 2022, 280, 121266.	11.4	10
5	Characteristics of a freezing nanosuspension drop in two different schemes. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	3
6	Self-peeling of frozen water droplets upon impacting a cold surface. <i>Communications Physics</i> , 2022, 5, .	5.3	13
7	Combined Anomaly Detection Framework for Digital Twins of Water Treatment Facilities. <i>Water (Switzerland)</i> , 2022, 14, 1001.	2.7	8
8	Abusing Cache Line Dirty States to Leak Information in Commercial Processors. , 2022, , .		4
9	Numerical analysis of thermophoresis of charged colloidal particles in non-Newtonian concentrated electrolyte solutions. <i>Electrophoresis</i> , 2022, , .	2.4	1
10	A More Biomimetic Cell Migration Assay with High Reliability and Its Applications. <i>Pharmaceuticals</i> , 2022, 15, 695.	3.8	3
11	Modelling of Melting in Packed Media due to Forced Air Convection with Higher Temperature using Euler-Euler-Lagrangian approach. <i>International Journal of Heat and Mass Transfer</i> , 2022, 194, 123055.	4.8	3
12	Thermal comfort analysis of radiant cooling panels with dedicated fresh-air system. <i>Indoor and Built Environment</i> , 2021, 30, 1596-1608.	2.8	13
13	Promote anti-/de-frosting by suppressing directional ice bridging. <i>International Journal of Heat and Mass Transfer</i> , 2021, 165, 120609.	4.8	22
14	How different freezing morphologies of impacting droplets form. <i>Journal of Colloid and Interface Science</i> , 2021, 584, 403-410.	9.4	36
15	Bacterial inactivation via microfluidic electroporation device with insulating micropillars. <i>Electrophoresis</i> , 2021, 42, 1093-1101.	2.4	5
16	10.1063/5.0044935.1., 2021, , .		0
17	Freezing of a nanofluid droplet: From a pointy tip to flat plateau. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	14
18	Surface wave measurements with IoT image processing. <i>Journal of Hydro-Environment Research</i> , 2021, 39, 60-70.	2.2	2

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19	Analytical analysis of anisotropic thermophoresis of a charged spheroidal colloid in aqueous media for extremely thin EDL cases. <i>Electrophoresis</i> , 2021, 42, 2391-2400.	2.4	3
20	Simulations of Melting in Fluid-filled Packed Media due to Forced Convection with Higher Temperature. <i>International Journal of Heat and Mass Transfer</i> , 2021, 175, 121358.	4.8	2
21	Evaporation of a sessile droplet on flat surfaces: An axisymmetric lattice Boltzmann model with consideration of contact angle hysteresis. <i>International Journal of Heat and Mass Transfer</i> , 2021, 178, 121577.	4.8	28
22	An immersed boundary-lattice Boltzmann model for simulation of deposited particle patterns in an evaporating sessile droplet with dispersed particles. <i>International Journal of Heat and Mass Transfer</i> , 2021, 181, 121905.	4.8	10
23	Freezing morphologies of impact water droplets on an inclined subcooled surface. <i>International Journal of Heat and Mass Transfer</i> , 2021, 181, 121843.	4.8	24
24	A low-Reynolds-number actuator driven by instability: rotating or oscillating. <i>Nonlinear Dynamics</i> , 2021, 106, 2005.	5.2	0
25	Rapid pre-concentration of <i>Escherichia coli</i> in a microfluidic paper-based device using ion concentration polarization. <i>Electrophoresis</i> , 2020, 41, 867-874.	2.4	26
26	Progressive Pulmonary Fibrosis Is Caused by Elevated Mechanical Tension on Alveolar Stem Cells. <i>Cell</i> , 2020, 180, 107-121.e17.	28.9	233
27	Numerical simulations of the liquid-vapor phase change dynamic processes in a flat micro heat pipe. <i>International Journal of Heat and Mass Transfer</i> , 2020, 147, 119022.	4.8	26
28	Enhanced sample pre-concentration by ion concentration polarization on a paraffin coated converging microfluidic paper based analytical platform. <i>Biomicrofluidics</i> , 2020, 14, 014103.	2.4	11
29	Reduced contact time of a droplet impacting on a moving superhydrophobic surface. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	43
30	Dielectrophoretic trapping and impedance detection of <i>Escherichia coli</i> , <i>Vibrio cholera</i> , and <i>Enterococci</i> bacteria. <i>Biomicrofluidics</i> , 2020, 14, 054105.	2.4	12
31	Chemical screening identifies ROCK1 as a regulator of migrasome formation. <i>Cell Discovery</i> , 2020, 6, 51.	6.7	14
32	Active control of the freezing process of a ferrofluid droplet with magnetic fields. <i>Applied Thermal Engineering</i> , 2020, 176, 115444.	6.0	12
33	Kinetics of colloidal particle deposition in microfluidic systems under temperature gradients: experiment and modelling. <i>Soft Matter</i> , 2020, 16, 3649-3656.	2.7	3
34	Water condensate morphologies on a cantilevered microfiber. <i>Journal of Applied Physics</i> , 2020, 127, 244902.	2.5	4
35	An Electroporation Device with Microbead-Enhanced Electric Field for Bacterial Inactivation. <i>Inventions</i> , 2020, 5, 2.	2.5	15
36	Axisymmetric lattice Boltzmann model for simulating the freezing process of a sessile water droplet with volume change. <i>Physical Review E</i> , 2020, 101, 023314.	2.1	27

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37	A numerical study on ion concentration polarization and electric circuit performance of an electrokinetic battery. <i>Electrophoresis</i> , 2020, 41, 811-820.	2.4	3
38	Pore scale investigations on melting of phase change materials considering the interfacial thermal resistance. <i>International Communications in Heat and Mass Transfer</i> , 2020, 115, 104631.	5.6	12
39	Freezing process of ferrofluid droplets: Numerical and scaling analyses. <i>Physical Review Fluids</i> , 2020, 5, .	2.5	15
40	Efficient arithmetic expression optimization with weighted adjoint matrix. , 2020, , .		0
41	Enzymatic in situ synthesis of graphene oxide/polypyrrole composites by peroxidase and their electrical capacitance. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 869-875.	1.7	3
42	Numerical analysis of thermal conductivity effect on thermophoresis of a charged colloidal particle in aqueous media. <i>International Journal of Heat and Mass Transfer</i> , 2019, 142, 118421.	4.8	9
43	Breakup of ultra-thin liquid films on vertical fiber enhanced by Marangoni effect. <i>Chemical Engineering Science</i> , 2019, 199, 342-348.	3.8	23
44	Back Cover: <i>Biotechnology Journal</i> 5/2019. <i>Biotechnology Journal</i> , 2019, 14, 1970054.	3.5	0
45	Continuous flow microfluidic cell inactivation with the use of insulating micropillars for multiple electroporation zones. <i>Electrophoresis</i> , 2019, 40, 2522-2529.	2.4	14
46	Triple condensate halo from a single water droplet impacting upon a cold surface. <i>Applied Physics Letters</i> , 2019, 114, 183703.	3.3	11
47	Thermocapillary effect on the dynamics of liquid films coating the interior surface of a tube. <i>International Journal of Heat and Mass Transfer</i> , 2019, 138, 524-533.	4.8	8
48	Microfluidics-based fundamental characterization of external concentration polarization in forward osmosis. <i>Microfluidics and Nanofluidics</i> , 2019, 23, 1.	2.2	6
49	Perspectives for low-temperature waste heat recovery. <i>Energy</i> , 2019, 176, 1037-1043.	8.8	189
50	Scaledâ€ Inertial Microfluidics: Retention System for Microcarrierâ€Based Suspension Cultures. <i>Biotechnology Journal</i> , 2019, 14, e1800674.	3.5	13
51	Adsorptive removal of heavy metal ions in water using poly(m-phenylenediamine) synthesized by laccase. <i>Chemical Papers</i> , 2019, 73, 1705-1711.	2.2	3
52	Thermal analysis of conjugated cooling configurations using phase change material and liquid cooling techniques for a battery module. <i>International Journal of Heat and Mass Transfer</i> , 2019, 133, 827-841.	4.8	137
53	Inertial particle focusing dynamics in a trapezoidal straight microchannel: application to particle filtration. <i>Microfluidics and Nanofluidics</i> , 2018, 22, 1.	2.2	39
54	Absolute instability induced by Marangoni effect in thin liquid film flows on vertical cylindrical surfaces. <i>Chemical Engineering Science</i> , 2018, 177, 261-269.	3.8	26

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55	Continuous-flow trapping and localized enrichment of micro- and nano-particles using induced-charge electrokinetics. <i>Soft Matter</i> , 2018, 14, 1056-1066.	2.7	15
56	Enhanced cell trapping throughput using DC-biased AC electric field in a dielectrophoresis-based fluidic device with densely packed silica beads. <i>Electrophoresis</i> , 2018, 39, 878-886.	2.4	9
57	Continuous hypergravity alters the cytoplasmic elasticity of MC3T3-E1 osteoblasts via actin filaments. <i>Journal of Biomechanics</i> , 2018, 72, 222-227.	2.1	8
58	Numerical analysis and experimental visualization of phase change material melting process for thermal management of cylindrical power battery. <i>Applied Thermal Engineering</i> , 2018, 128, 489-499.	6.0	70
59	Hydrodynamic Effects on Particle Deposition in Microchannel Flows at Elevated Temperatures. <i>Journal of Heat Transfer</i> , 2018, 140, .	2.1	4
60	Transient characteristics of electric double layer charging and the associated induced-charge electrokinetic flow. <i>Physics of Fluids</i> , 2018, 30, 122005.	4.0	4
61	On-chip generation of microbubbles in photoacoustic contrast agents for dual modal ultrasound/photoacoustic in vivo animal imaging. <i>Scientific Reports</i> , 2018, 8, 6401.	3.3	35
62	Inertial-Based Filtration Method for Removal of Microcarriers from Mesenchymal Stem Cell Suspensions. <i>Scientific Reports</i> , 2018, 8, 12481.	3.3	26
63	Wetting transition of sessile and condensate droplets on copper-based superhydrophobic surfaces. <i>International Journal of Heat and Mass Transfer</i> , 2018, 127, 280-288.	4.8	16
64	Comparison of direct numerical simulation with volume-averaged method on composite phase change materials for thermal energy storage. <i>Applied Energy</i> , 2018, 229, 700-714.	10.1	67
65	Interdroplet freezing wave propagation of condensation frosting on micropillar patterned superhydrophobic surfaces of varying pitches. <i>International Journal of Heat and Mass Transfer</i> , 2017, 108, 1048-1056.	4.8	51
66	Permeability model of micro-metal foam with surface micro-roughness. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 1.	2.2	3
67	Quantitative Analyses of Dynamic Features of Fibroblasts on Different Protein-Coated Compliant Substrates. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 2987-2998.	5.2	5
68	Frost spreading on microscale wettability/morphology patterned surfaces. <i>Applied Thermal Engineering</i> , 2017, 121, 136-145.	6.0	34
69	Rapid prototyping of single-layer microfluidic PDMS devices with abrupt depth variations under non-clean-room conditions by using laser ablation and UV-curable polymer. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 1.	2.2	13
70	A human thermal balance based evaluation of thermal comfort subject to radiant cooling system and sedentary status. <i>Applied Thermal Engineering</i> , 2017, 122, 461-472.	6.0	32
71	Numerical Investigation on the Relationship between Human Thermal Comfort and Thermal Balance under Radiant Cooling System. <i>Energy Procedia</i> , 2017, 105, 2879-2884.	1.8	13
72	Induced charge effects on electrokinetic entry flow. <i>Physics of Fluids</i> , 2017, 29, .	4.0	35

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73	Lab-on-chip microfluidic impedance measurement for laminar flow ratio sensing and differential conductivity difference detection. Applied Physics Letters, 2017, 110, .	3.3	10
74	A multi-module microfluidic platform for continuous pre-concentration of water-soluble ions and separation of oil droplets from oil-in-water (O/W) emulsions using a DC-biased AC electrokinetic technique. Electrophoresis, 2017, 38, 645-652.	2.4	16
75	Confined wetting of water on CNT web patterned surfaces. Applied Physics Letters, 2017, 111, .	3.3	7
76	Pairing of integrins with ECM proteins determines migrasome formation. Cell Research, 2017, 27, 1397-1400.	12.0	83
77	Electrokinetically driven continuous-flow enrichment of colloidal particles by Joule heating induced temperature gradient focusing in a convergent-divergent microfluidic structure. Scientific Reports, 2017, 7, 10803.	3.3	4
78	Design method of radiant cooling area based on the relationship between human thermal comfort and thermal balance. Energy Procedia, 2017, 143, 100-105.	1.8	3
79	Dynamic Electroosmotic Flows of Power-Law Fluids in Rectangular Microchannels. Micromachines, 2017, 8, 34.	2.9	23
80	Microfluidic Techniques for Analytes Concentration. Micromachines, 2017, 8, 28.	2.9	42
81	Particulate Fouling and Mitigation Approach in Microchannel Heat Exchanger. , 2016, , .		2
82	Extracellular matrix stiffness dictates Wnt expression through integrin pathway. Scientific Reports, 2016, 6, 20395.	3.3	155
83	Substrate stiffness of endothelial cells directs LFA-1/ICAM-1 interaction: A physical trigger of immune-related diseases?. Clinical Hemorheology and Microcirculation, 2016, 61, 633-643.	1.7	6
84	Suppression of Frost Propagation With Micropillar Structure Engineered Surface. , 2016, , .		0
85	Vortex generation and control in a microfluidic chamber with actuations. Physics of Fluids, 2016, 28, .	4.0	25
86	Retarded condensate freezing propagation on superhydrophobic surfaces patterned with micropillars. Applied Physics Letters, 2016, 108, .	3.3	59
87	Enhanced Nucleate Pool Boiling From Microstructured Surfaces Fabricated by Selective Laser Melting. , 2016, , .		2
88	Solidification of fluid saturated in open-cell metallic foams with graded morphologies. International Journal of Heat and Mass Transfer, 2016, 98, 60-69.	4.8	80
89	MAPK-Mediated YAP Activation Controls Mechanical-Tension-Induced Pulmonary Alveolar Regeneration. Cell Reports, 2016, 16, 1810-1819.	6.4	178
90	A membrane-free micro-fluidic microbial fuel cell for rapid characterization of exoelectrogenic bacteria. Microfluidics and Nanofluidics, 2016, 20, 1.	2.2	5

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91	Integrin endocytosis on elastic substrates mediates mechanosensing. <i>Journal of Biomechanics</i> , 2016, 49, 2644-2654.	2.1	10
92	Thermophoresis of charged colloidal particles in aqueous media – Effect of particle size. <i>International Journal of Heat and Mass Transfer</i> , 2016, 101, 1283-1291.	4.8	21
93	Combinational concentration gradient confinement through stagnation flow. <i>Lab on A Chip</i> , 2016, 16, 368-376.	6.0	9
94	Bubble dynamics in a microfluidic chamber under low-frequency actuation. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	2.2	7
95	Cells Sensing Mechanical Cues: Stiffness Influences the Lifetime of Cell–Extracellular Matrix Interactions by Affecting the Loading Rate. <i>ACS Nano</i> , 2016, 10, 207-217.	14.6	54
96	Freezing of sessile water droplet for various contact angles. <i>International Journal of Thermal Sciences</i> , 2016, 101, 59-67.	4.9	97
97	Sample concentration in a microfluidic paper-based analytical device using ion concentration polarization. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 735-740.	7.8	84
98	10.1063/1.4971314.1., 2016, , .		0
99	Bubble Translation at Low-frequency Actuation in a Resonator-shaped Microfluidic Chamber. <i>Procedia Engineering</i> , 2015, 126, 711-715.	1.2	0
100	Enhancement of electrophoretic mobility of microparticles near a solid wall – Experimental verification. <i>Electrophoresis</i> , 2015, 36, 731-736.	2.4	17
101	Effects of Hypergravity on Osteopontin Expression in Osteoblasts. <i>PLoS ONE</i> , 2015, 10, e0128846.	2.5	20
102	Thermal Effect on Microchannel Electro-osmotic Flow With Consideration of Thermodiffusion. <i>Journal of Heat Transfer</i> , 2015, 137, .	2.1	9
103	Fabrication of nanoporous junctions using off-the-shelf Nafion membrane. <i>Journal of Micromechanics and Microengineering</i> , 2015, 25, 115019.	2.6	11
104	Translational thermophoresis and rotational movement of peanut-like colloids under temperature gradient. <i>Microfluidics and Nanofluidics</i> , 2015, 19, 805-811.	2.2	19
105	Experimental study on thermophoresis of colloids in aqueous surfactant solutions. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 495102.	1.8	11
106	Microfluidic concentration of sample solutes using Joule heating effects under a combined AC and DC electric field. <i>International Journal of Heat and Mass Transfer</i> , 2015, 85, 158-165.	4.8	11
107	Ion transport and selection through DCGC-based electroosmosis in a conducting nanofluidic channel. <i>Microfluidics and Nanofluidics</i> , 2015, 18, 785-794.	2.2	8
108	Mixing enhancement by the vortex in a microfluidic mixer with actuation. <i>Experimental Thermal and Fluid Science</i> , 2015, 67, 57-61.	2.7	13

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109	Deposition of colloidal particles in a microchannel at elevated temperatures. <i>Microfluidics and Nanofluidics</i> , 2015, 18, 403-414.	2.2	17
110	Superhydrophobic carbon nanotube/polydimethylsiloxane composite coatings. <i>Materials Science and Technology</i> , 2015, 31, 1745-1748.	1.6	18
111	Hypergravity-induced enrichment of β_1 integrin on the cell membranes of osteoblast-like cells via caveolae-dependent endocytosis. <i>Biochemical and Biophysical Research Communications</i> , 2015, 463, 928-933.	2.1	13
112	Continuous Droplet-Based Liquid-Liquid Extraction of Phenol from Oil. <i>Separation Science and Technology</i> , 2015, 50, 1023-1029.	2.5	12
113	Induced-charge electrokinetics in a conducting nanochannel with broken geometric symmetry: Towards a flexible control of ionic transport. <i>Physics of Fluids</i> , 2015, 27, .	4.0	12
114	Three dimensional features of convective heat transfer in droplet-based microchannel heat sinks. <i>International Journal of Heat and Mass Transfer</i> , 2015, 86, 455-464.	4.8	34
115	Binding of integrin β_1 to bone morphogenetic protein receptor IA suggests a novel role of integrin β_1 in bone morphogenetic protein 2 signalling. <i>Journal of Biomechanics</i> , 2015, 48, 3950-3954.	2.1	9
116	Continuous detection of trace level concentration of oil droplets in water using microfluidic AC electroosmosis (ACEO). <i>RSC Advances</i> , 2015, 5, 70197-70203.	3.6	8
117	Rapid concentration of deoxyribonucleic acid via Joule heating induced temperature gradient focusing in poly-dimethylsiloxane microfluidic channel. <i>Analytica Chimica Acta</i> , 2015, 858, 91-97.	5.4	16
118	Design of Variable-Speed Dish-Stirling Solar Thermal Power Plant for Maximum Energy Harness. <i>IEEE Transactions on Energy Conversion</i> , 2015, 30, 394-403.	5.2	41
119	Measuring Zeta Potential, <i>Methods</i> , 2015, , 1727-1737.		0
120	Integrin activation and internalization mediated by extracellular matrix elasticity: A biomechanical model. <i>Journal of Biomechanics</i> , 2014, 47, 1479-1484.	2.1	31
121	Engineering microfluidic concentration gradient generators for biological applications. <i>Microfluidics and Nanofluidics</i> , 2014, 16, 1-18.	2.2	152
122	Dish-Stirling Solar Power Plants: Modeling, Analysis, and Control of Receiver Temperature. <i>IEEE Transactions on Sustainable Energy</i> , 2014, 5, 398-407.	8.8	32
123	Saturated pool boiling from carbon nanotube coated surfaces at different orientations. <i>International Journal of Heat and Mass Transfer</i> , 2014, 79, 893-904.	4.8	48
124	Continuous separation of multiple particles by negative and positive dielectrophoresis in a modified H α filter. <i>Electrophoresis</i> , 2014, 35, 714-720.	2.4	14
125	Energy Conversion from Salinity Gradients by Forward Osmosis Electrokinetics. <i>Journal of Physical Chemistry C</i> , 2014, 118, 10574-10583.	3.1	21
126	Stress fiber response to mechanics: a free energy dependent statistical model. <i>Soft Matter</i> , 2014, 10, 4603.	2.7	4

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127	An average-value model of kinematic Stirling engine for the study of variable-speed operations of dish-stirling solar-thermal generating system. , 2014, , .		5
128	Vortex generation in a microfluidic chamber with actuations. Experiments in Fluids, 2014, 55, 1.	2.4	3
129	Asymmetric heat transfer in liquid-liquid segmented flow in microchannels. International Journal of Heat and Mass Transfer, 2014, 77, 385-394.	4.8	4
130	Dielectrophoresis Field-Flow Fractionation for Continuous-Flow Separation of Particles and Cells in Microfluidic Devices. Advances in Transport Phenomena, 2014, , 29-62.	0.5	13
131	Trapping of submicron and micron-sized particles using innovative induced-charge electrokinetic flow. , 2014, , .		2
132	Electrokinetic Focusing of Colloidal Particles by Joule Heating Induced Temperature Gradient in a Convergent-Divergent Microfluidic Structure. , 2014, , .		0
133	Combined Pressure-Driven Flow and Electroosmotic Flow. , 2014, , 1-14.		0
134	Measuring Zeta Potential, Methods. , 2014, , 1-13.		0
135	Temperature Gradient Focusing. , 2014, , 1-9.		0
136	Electroosmotic flows of non-Newtonian power-law fluids in a cylindrical microchannel. Electrophoresis, 2013, 34, 662-667.	2.4	55
137	Multi-point laser coherent detection system and its applications in experimental mechanics. Proceedings of SPIE, 2013, , .	0.8	0
138	Collective effects on thermophoresis of colloids: a microfluidic study within the framework of DLVO theory. Soft Matter, 2013, 9, 7726.	2.7	43
139	On the Anomalous Convective Heat Transfer Enhancement in Nanofluids: A Theoretical Answer to the Nanofluids Controversy. Journal of Heat Transfer, 2013, 135, .	2.1	88
140	Convective heat transfer of nanofluids in a concentric annulus. International Journal of Thermal Sciences, 2013, 71, 249-257.	4.9	96
141	Dynamic contact angle of water-based titanium oxide nanofluid. Nanoscale Research Letters, 2013, 8, 282.	5.7	29
142	Electrokinetics of non-Newtonian fluids: A review. Advances in Colloid and Interface Science, 2013, 201-202, 94-108.	14.7	131
143	A dual-scale model for the caveolin-mediated vesiculation. Soft Matter, 2013, 9, 7981.	2.7	6
144	New Flutter-Suppression Method for a Missile Fin with an Actuator. Journal of Aircraft, 2013, 50, 989-994.	2.4	10

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145	Some discussion on high-speed-imaging-based optical coherent measurement. Proceedings of SPIE, 2013, , .	0.8	0
146	Viscoelastic traffic flow model. Journal of Advanced Transportation, 2013, 47, 635-649.	1.7	23
147	A multi-point laser Doppler vibrometer with fiber-based configuration. Review of Scientific Instruments, 2013, 84, 121702.	1.3	17
148	Thermal Effect on Electroosmotic Flow in a Slit Microchannel. , 2013, , .		0
149	Electrokinetics of Non-Newtonian Liquids. , 2013, , 1-8.		0
150	Osmosis and Its Applications. , 2013, , 1-14.		0
151	Experimental Methods of Thermophoresis in Liquids. , 2013, , 1-11.		0
152	AC-dielectrophoretic characterization and separation of submicron and micron particles using sidewall AgPDMS electrodes. Biomicrofluidics, 2012, 6, 12807-128079.	2.4	34
153	Preface to Special Topic: Selected Papers from the Second Conference on Advances in Microfluidics and Nanofluidics and Asia-Pacific International Symposium on Lab on Chip. Biomicrofluidics, 2012, 6, 012701.	2.4	0
154	A method of producing electrokinetic power through forward osmosis. Applied Physics Letters, 2012, 101, .	3.3	21
155	Fabrication and Experimental Characterization of Nanochannels. Journal of Heat Transfer, 2012, 134, .	2.1	10
156	Microfluidic Bubble Generation by Acoustic Field for Mixing Enhancement. Journal of Heat Transfer, 2012, 134, .	2.1	16
157	Advances in electrokinetics and their applications in micro/nano fluidics. Microfluidics and Nanofluidics, 2012, 13, 179-203.	2.2	115
158	Electrokinetic Power Generation by Forward Osmosis. , 2012, , .		0
159	Electroosmotic flows in a microchannel with patterned hydrodynamic slip walls. Electrophoresis, 2012, 33, 899-905.	2.4	17
160	Electrokinetically driven concentration of particles and cells by dielectrophoresis with DC-offset AC electric field. Microfluidics and Nanofluidics, 2012, 12, 723-733.	2.2	52
161	Joule heating induced heat transfer for electroosmotic flow of power-law fluids in a microcapillary. International Journal of Heat and Mass Transfer, 2012, 55, 2044-2051.	4.8	32
162	Cyclic deformation-induced injury and differentiation of rat alveolar epithelial type II cells. Respiratory Physiology and Neurobiology, 2012, 180, 237-246.	1.6	12

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163	Dynamic Behavior of Liquid Droplet Impacting on Heated Surfaces. , 2012, , 28-39.		2
164	Effects of Cyclic Uniaxial Stretch on Mammalian Cell Division Direction*. Progress in Biochemistry and Biophysics, 2012, 39, 59-67.	0.3	0
165	Microfluidic Characterization and Continuous Separation of Cells and Particles Using Conducting Poly(dimethyl siloxane) Electrode Induced Alternating Current-Dielectrophoresis. Analytical Chemistry, 2011, 83, 9579-9585.	6.5	115
166	Towards high concentration enhancement of microfluidic temperature gradient focusing of sample solutes using combined AC and DC field induced Joule heating. Lab on A Chip, 2011, 11, 1396.	6.0	27
167	Mixing enhancement for high viscous fluids in a microfluidic chamber. Lab on A Chip, 2011, 11, 2081.	6.0	65
168	Capillary Filling in Nanochannelsâ€”Modeling, Fabrication, and Experiments. Heat Transfer Engineering, 2011, 32, 624-635.	1.9	17
169	Effects of stress fiber contractility on uniaxial stretch guiding mitosis orientation and stress fiber alignment. Journal of Biomechanics, 2011, 44, 2388-2394.	2.1	20
170	Alveolar Type II Cells Escape Stress Failure Caused by Tonic Stretch through Transient Focal Adhesion Disassembly. International Journal of Biological Sciences, 2011, 7, 588-599.	6.4	9
171	Towards High Concentration Enhancement of Microfluidic Temperature Gradient Focusing of Sample Solutes. , 2011, , .		0
172	An exact solution for electroosmosis of non-Newtonian fluids in microchannels. Journal of Non-Newtonian Fluid Mechanics, 2011, 166, 1076-1079.	2.4	88
173	On the competition between streaming potential effect and hydrodynamic slip effect in pressure-driven microchannel flows. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 386, 191-194.	4.7	17
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175	AC field inducedâ€”charge electroosmosis over leaky dielectric blocks embedded in a microchannel. Electrophoresis, 2011, 32, 629-637.	2.4	36
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