

Junjie Zhong

List of Publications by Year in descending order

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Version: 2024-02-01

146
papers

20,199
citations

15495

65
h-index

10724

138
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150
all docs

150
docs citations

150
times ranked

13721
citing authors

#	ARTICLE	IF	CITATIONS
1	Microplastics shift impacts of climate change on a plant-microbe mutualism: Temperature, CO ₂ , and tire wear particles. <i>Environmental Research</i> , 2022, 203, 111727.	3.7	18
2	Concentrated Ethanol Electrosynthesis from CO ₂ via a Porous Hydrophobic Adlayer. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4155-4162.	4.0	15
3	Efficient electrosynthesis of n-propanol from carbon monoxide using a Ag ⁺ Ru ⁺ Cu catalyst. <i>Nature Energy</i> , 2022, 7, 170-176.	19.8	96
4	Redox-mediated electrosynthesis of ethylene oxide from CO ₂ and water. <i>Nature Catalysis</i> , 2022, 5, 185-192.	16.1	40
5	Nanoplastic State and Fate in Aquatic Environments: Multiscale Modeling. <i>Environmental Science & Technology</i> , 2022, 56, 4017-4028.	4.6	24
6	Past, Present, and Future of Microfluidic Fluid Analysis in the Energy Industry. <i>Energy & Fuels</i> , 2022, 36, 8578-8590.	2.5	10
7	Carbon-efficient carbon dioxide electrolyzers. <i>Nature Sustainability</i> , 2022, 5, 563-573.	11.5	95
8	Eliminating the need for anodic gas separation in CO ₂ electroreduction systems via liquid-to-liquid anodic upgrading. <i>Nature Communications</i> , 2022, 13, .	5.8	37
9	Toxicity of nanoplastics to zooplankton is influenced by temperature, salinity, and natural particulate matter. <i>Environmental Science: Nano</i> , 2022, 9, 2678-2690.	2.2	10
10	CO ₂ Electroreduction to Formate at a Partial Current Density of 930 mA cm ⁻² with InP Colloidal Quantum Dot Derived Catalysts. <i>ACS Energy Letters</i> , 2021, 6, 79-84.	8.8	100
11	FertDish: microfluidic sperm selection-in-a-dish for intracytoplasmic sperm injection. <i>Lab on A Chip</i> , 2021, 21, 775-783.	3.1	29
12	Selection of high-quality sperm with thousands of parallel channels. <i>Lab on A Chip</i> , 2021, 21, 2464-2475.	3.1	15
13	Suppressing the liquid product crossover in electrochemical CO ₂ reduction. <i>SmartMat</i> , 2021, 2, 12-16.	6.4	90
14	Self-Cleaning CO ₂ Reduction Systems: Unsteady Electrochemical Forcing Enables Stability. <i>ACS Energy Letters</i> , 2021, 6, 809-815.	8.8	159
15	A glucose meter interface for point-of-care gene circuit-based diagnostics. <i>Nature Communications</i> , 2021, 12, 724.	5.8	54
16	Designing anion exchange membranes for CO ₂ electrolyzers. <i>Nature Energy</i> , 2021, 6, 339-348.	19.8	209
17	Inside Front Cover: Volume 2 Issue 1. <i>SmartMat</i> , 2021, 2, iii.	6.4	1
18	Screening High-Temperature Foams with Microfluidics for Thermal Recovery Processes. <i>Energy & Fuels</i> , 2021, 35, 7866-7873.	2.5	21

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19	Silica-copper catalyst interfaces enable carbon-carbon coupling towards ethylene electrosynthesis. <i>Nature Communications</i> , 2021, 12, 2808.	5.8	91
20	Low coordination number copper catalysts for electrochemical CO ₂ methanation in a membrane electrode assembly. <i>Nature Communications</i> , 2021, 12, 2932.	5.8	97
21	Evaluation of a Microencapsulated Phase Change Slurry for Subsurface Energy Recovery. <i>Energy & Fuels</i> , 2021, 35, 10293-10302.	2.5	10
22	Machine learning for sperm selection. <i>Nature Reviews Urology</i> , 2021, 18, 387-403.	1.9	39
23	Gold-in-copper at low *CO coverage enables efficient electromethanation of CO ₂ . <i>Nature Communications</i> , 2021, 12, 3387.	5.8	70
24	CO ₂ electrolysis to multicarbon products in strong acid. <i>Science</i> , 2021, 372, 1074-1078.	6.0	541
25	Effects of Hydrogen Peroxide on Cyanobacterium <i>Microcystis aeruginosa</i> in the Presence of Nanoplastics. <i>ACS ES&T Water</i> , 2021, 1, 1596-1607.	2.3	22
26	Single Pass CO ₂ Conversion Exceeding 85% in the Electrosynthesis of Multicarbon Products via Local CO ₂ Regeneration. <i>ACS Energy Letters</i> , 2021, 6, 2952-2959.	8.8	155
27	Gold Adparticles on Silver Combine Low Overpotential and High Selectivity in Electrochemical CO ₂ Conversion. <i>ACS Applied Energy Materials</i> , 2021, 4, 7504-7512.	2.5	18
28	In Situ Formation of Nano Ni-Co Oxyhydroxide Enables Water Oxidation Electrocatalysts Durable at High Current Densities. <i>Advanced Materials</i> , 2021, 33, e2103812.	11.1	78
29	Glycerol Oxidation Pairs with Carbon Monoxide Reduction for Low-Voltage Generation of C ₂ and C ₃ Product Streams. <i>ACS Energy Letters</i> , 2021, 6, 3538-3544.	8.8	36
30	Stable, active CO ₂ reduction to formate via redox-modulated stabilization of active sites. <i>Nature Communications</i> , 2021, 12, 5223.	5.8	145
31	AbCellera's success is unprecedented: what have we learned?. <i>Lab on A Chip</i> , 2021, 21, 2330-2332.	3.1	2
32	How to select ICSI-viable sperm from the most challenging samples. <i>Nature Reviews Urology</i> , 2021, , .	1.9	3
33	Downstream of the CO ₂ Electrolyzer: Assessing the Energy Intensity of Product Separation. <i>ACS Energy Letters</i> , 2021, 6, 4405-4412.	8.8	53
34	Exploring Anomalous Fluid Behavior at the Nanoscale: Direct Visualization and Quantification via Nanofluidic Devices. <i>Accounts of Chemical Research</i> , 2020, 53, 347-357.	7.6	43
35	Increased Temperature and Turbulence Alter the Effects of Leachates from Tire Particles on Fathead Minnow (<i>Pimephales promelas</i>). <i>Environmental Science & Technology</i> , 2020, 54, 1750-1759.	4.6	52
36	Oxygen-tolerant electroproduction of C ₂ products from simulated flue gas. <i>Energy and Environmental Science</i> , 2020, 13, 554-561.	15.6	113

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37	When robotics met fluidics. Lab on A Chip, 2020, 20, 709-716.	3.1	27
38	Catalyst synthesis under CO ₂ electroreduction favours faceting and promotes renewable fuels electrosynthesis. Nature Catalysis, 2020, 3, 98-106.	16.1	325
39	Tuning OH binding energy enables selective electrochemical oxidation of ethylene to ethylene glycol. Nature Catalysis, 2020, 3, 14-22.	16.1	120
40	Promoting CO ₂ methanation via ligand-stabilized metal oxide clusters as hydrogen-donating motifs. Nature Communications, 2020, 11, 6190.	5.8	93
41	Enhanced multi-carbon alcohol electroproduction from CO via modulated hydrogen adsorption. Nature Communications, 2020, 11, 3685.	5.8	72
42	High-Rate and Efficient Ethylene Electrosynthesis Using a Catalyst/Promoter/Transport Layer. ACS Energy Letters, 2020, 5, 2811-2818.	8.8	106
43	Accelerating Fluid Development on a Chip for Renewable Energy. Energy & Fuels, 2020, 34, 11219-11226.	2.5	10
44	CO ₂ Electroreduction to Methane at Production Rates Exceeding 100 mA/cm ² . ACS Sustainable Chemistry and Engineering, 2020, 8, 14668-14673.	3.2	41
45	Efficient electrically powered CO ₂ -to-ethanol via suppression of deoxygenation. Nature Energy, 2020, 5, 478-486.	19.8	363
46	Chloride-mediated selective electrosynthesis of ethylene and propylene oxides at high current density. Science, 2020, 368, 1228-1233.	6.0	196
47	CO ₂ electrolysis to multicarbon products at activities greater than 1 A cm ⁻² . Science, 2020, 367, 661-666.	6.0	860
48	Enhanced Nitrate-to-Ammonia Activity on Copper-Nickel Alloys via Tuning of Intermediate Adsorption. Journal of the American Chemical Society, 2020, 142, 5702-5708.	6.6	638
49	Molecular tuning of CO ₂ -to-ethylene conversion. Nature, 2020, 577, 509-513.	13.7	682
50	Biological Responses to Climate Change and Nanoplastics Are Altered in Concert: Full-Factor Screening Reveals Effects of Multiple Stressors on Primary Producers. Environmental Science & Technology, 2020, 54, 2401-2410.	4.6	48
51	Efficient Methane Electrosynthesis Enabled by Tuning Local CO ₂ Availability. Journal of the American Chemical Society, 2020, 142, 3525-3531.	6.6	154
52	Cooperative CO ₂ -to-ethanol conversion via enriched intermediates at molecule-metal catalyst interfaces. Nature Catalysis, 2020, 3, 75-82.	16.1	390
53	Deep learning-based selection of human sperm with high DNA integrity. Communications Biology, 2019, 2, 250.	2.0	64
54	Dopant-tuned stabilization of intermediates promotes electrosynthesis of valuable C ₃ products. Nature Communications, 2019, 10, 4807.	5.8	26

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55	Magnetic Extraction of Microplastics from Environmental Samples. <i>Environmental Science and Technology Letters</i> , 2019, 6, 68-72.	3.9	242
56	Natural gas vaporization in a nanoscale throat connected model of shale: multi-scale, multi-component and multi-phase. <i>Lab on A Chip</i> , 2019, 19, 272-280.	3.1	30
57	Fluorescent Dyes for Visualizing Microplastic Particles and Fibers in Laboratory-Based Studies. <i>Environmental Science and Technology Letters</i> , 2019, 6, 334-340.	3.9	115
58	Deep learning for the classification of human sperm. <i>Computers in Biology and Medicine</i> , 2019, 111, 103342.	3.9	73
59	Prediction of DNA Integrity from Morphological Parameters Using a Single-sperm DNA Fragmentation Index Assay. <i>Advanced Science</i> , 2019, 6, 1900712.	5.6	23
60	Binding Site Diversity Promotes CO ₂ Electroreduction to Ethanol. <i>Journal of the American Chemical Society</i> , 2019, 141, 8584-8591.	6.6	338
61	Electrochemical CO ₂ Reduction into Chemical Feedstocks: From Mechanistic Electrocatalysis Models to System Design. <i>Advanced Materials</i> , 2019, 31, e1807166.	11.1	769
62	Accessory-free quantitative smartphone imaging of colorimetric paper-based assays. <i>Lab on A Chip</i> , 2019, 19, 1991-1999.	3.1	52
63	Efficient electrocatalytic conversion of carbon monoxide to propanol using fragmented copper. <i>Nature Catalysis</i> , 2019, 2, 251-258.	16.1	188
64	Hydroxide promotes carbon dioxide electroreduction to ethanol on copper via tuning of adsorbed hydrogen. <i>Nature Communications</i> , 2019, 10, 5814.	5.8	201
65	Efficient upgrading of CO to C3 fuel using asymmetric C-C coupling active sites. <i>Nature Communications</i> , 2019, 10, 5186.	5.8	127
66	Constraining CO coverage on copper promotes high-efficiency ethylene electroproduction. <i>Nature Catalysis</i> , 2019, 2, 1124-1131.	16.1	214
67	Multi-site electrocatalysts for hydrogen evolution in neutral media by destabilization of water molecules. <i>Nature Energy</i> , 2019, 4, 107-114.	19.8	470
68	Deep Learning with Microfluidics for Biotechnology. <i>Trends in Biotechnology</i> , 2019, 37, 310-324.	4.9	160
69	Direct Visualization of Evaporation in a Two-Dimensional Nanoporous Model for Unconventional Natural Gas. <i>ACS Applied Nano Materials</i> , 2018, 1, 1332-1338.	2.4	40
70	Hydronium-Induced Switching between CO ₂ Electroreduction Pathways. <i>Journal of the American Chemical Society</i> , 2018, 140, 3833-3837.	6.6	144
71	Visualization of fracturing fluid dynamics in a nanofluidic chip. <i>Journal of Petroleum Science and Engineering</i> , 2018, 165, 181-186.	2.1	33
72	Pore-scale analysis of steam-solvent coinjection: azeotropic temperature, dilution and asphaltene deposition. <i>Fuel</i> , 2018, 220, 151-158.	3.4	34

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73	Fluorescence in sub-10 nm channels with an optical enhancement layer. <i>Lab on A Chip</i> , 2018, 18, 568-573.	3.1	13
74	Full Characterization of CO ₂ "Oil Properties On-Chip: Solubility, Diffusivity, Extraction Pressure, Miscibility, and Contact Angle. <i>Analytical Chemistry</i> , 2018, 90, 2461-2467.	3.2	78
75	Asphaltene Deposition during Bitumen Extraction with Natural Gas Condensate and Naphtha. <i>Energy & Fuels</i> , 2018, 32, 1433-1439.	2.5	41
76	Digestible Fluorescent Coatings for Cumulative Quantification of Microplastic Ingestion. <i>Environmental Science and Technology Letters</i> , 2018, 5, 62-67.	3.9	19
77	Capillary Condensation in 8 nm Deep Channels. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 497-503.	2.1	65
78	Low pressure supercritical CO ₂ extraction of astaxanthin from <i>Haematococcus pluvialis</i> demonstrated on a microfluidic chip. <i>Bioresource Technology</i> , 2018, 250, 481-485.	4.8	42
79	Disposable silicon-glass microfluidic devices: precise, robust and cheap. <i>Lab on A Chip</i> , 2018, 18, 3872-3880.	3.1	47
80	Nanomodel visualization of fluid injections in tight formations. <i>Nanoscale</i> , 2018, 10, 21994-22002.	2.8	56
81	A Surface Reconstruction Route to High Productivity and Selectivity in CO ₂ Electroreduction toward C ₂₊ Hydrocarbons. <i>Advanced Materials</i> , 2018, 30, e1804867.	11.1	200
82	Bubble Point Pressures of Hydrocarbon Mixtures in Multiscale Volumes from Density Functional Theory. <i>Langmuir</i> , 2018, 34, 14058-14068.	1.6	22
83	Copper adparticle enabled selective electrosynthesis of n-propanol. <i>Nature Communications</i> , 2018, 9, 4614.	5.8	153
84	High Rate, Selective, and Stable Electroreduction of CO ₂ to CO in Basic and Neutral Media. <i>ACS Energy Letters</i> , 2018, 3, 2835-2840.	8.8	230
85	Copper nanocavities confine intermediates for efficient electrosynthesis of C ₃ alcohol fuels from carbon monoxide. <i>Nature Catalysis</i> , 2018, 1, 946-951.	16.1	354
86	Copper-on-nitride enhances the stable electrosynthesis of multi-carbon products from CO ₂ . <i>Nature Communications</i> , 2018, 9, 3828.	5.8	279
87	CO ₂ electroreduction to ethylene via hydroxide-mediated copper catalysis at an abrupt interface. <i>Science</i> , 2018, 360, 783-787.	6.0	1,638
88	Nanoscale Phase Measurement for the Shale Challenge: Multicomponent Fluids in Multiscale Volumes. <i>Langmuir</i> , 2018, 34, 9927-9935.	1.6	45
89	Dopant-induced electron localization drives CO ₂ reduction to C ₂ hydrocarbons. <i>Nature Chemistry</i> , 2018, 10, 974-980.	6.6	781
90	Metal-Organic Frameworks Mediate Cu Coordination for Selective CO ₂ Electroreduction. <i>Journal of the American Chemical Society</i> , 2018, 140, 11378-11386.	6.6	326

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91	2D Metal Oxyhalideâ€Derived Catalysts for Efficient CO ₂ Electroreduction. <i>Advanced Materials</i> , 2018, 30, e1802858.	11.1	200
92	Steering post-Câ€C coupling selectivity enables high efficiency electroreduction of carbon dioxide to multi-carbon alcohols. <i>Nature Catalysis</i> , 2018, 1, 421-428.	16.1	537
93	Combined high alkalinity and pressurization enable efficient CO ₂ electroreduction to CO. <i>Energy and Environmental Science</i> , 2018, 11, 2531-2539.	15.6	214
94	Band-aligned C ₃ N ₄ ·xS _{3/2} stabilizes CdS/CuInGaS ₂ photocathodes for efficient water reduction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3167-3171.	5.2	9
95	Bubble nucleation and growth in nanochannels. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 8223-8229.	1.3	48
96	Light dilution via wavelength management for efficient highâ€density photobioreactors. <i>Biotechnology and Bioengineering</i> , 2017, 114, 1160-1169.	1.7	30
97	Microfluidic pore-scale comparison of alcohol- and alkaline-based SAGD processes. <i>Journal of Petroleum Science and Engineering</i> , 2017, 154, 139-149.	2.1	46
98	Periodic harvesting of microalgae from calcium alginate hydrogels for sustained highâ€density production. <i>Biotechnology and Bioengineering</i> , 2017, 114, 2023-2031.	1.7	9
99	Enhanced Solarâ€toâ€Hydrogen Generation with Broadband Epsilonâ€Nearâ€Zero Nanostructured Photocatalysts. <i>Advanced Materials</i> , 2017, 29, 1701165.	11.1	39
100	Hydrothermal disruption of algae cells for astaxanthin extraction. <i>Green Chemistry</i> , 2017, 19, 106-111.	4.6	25
101	Turning the Page: Advancing Paper-Based Microfluidics for Broad Diagnostic Application. <i>Chemical Reviews</i> , 2017, 117, 8447-8480.	23.0	439
102	Direct visualization of fluid dynamics in sub-10 nm nanochannels. <i>Nanoscale</i> , 2017, 9, 9556-9561.	2.8	22
103	Field-emission from quantum-dot-in-perovskite solids. <i>Nature Communications</i> , 2017, 8, 14757.	5.8	83
104	Condensation in One-Dimensional Dead-End Nanochannels. <i>ACS Nano</i> , 2017, 11, 304-313.	7.3	52
105	Microfluidics for sperm analysis and selection. <i>Nature Reviews Urology</i> , 2017, 14, 707-730.	1.9	144
106	Frontispiece: The Full Pressureâ€Temperature Phase Envelope of a Mixture in 1000 Microfluidic Chambers. <i>Angewandte Chemie - International Edition</i> , 2017, 56, .	7.2	0
107	The Full Pressureâ€Temperature Phase Envelope of a Mixture in 1000 Microfluidic Chambers. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13962-13967.	7.2	12
108	Microfluidic and nanofluidic phase behaviour characterization for industrial CO ₂ , oil and gas. <i>Lab on A Chip</i> , 2017, 17, 2740-2759.	3.1	83

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109	Joint tuning of nanostructured Cu-oxide morphology and local electrolyte programs high-rate CO ₂ reduction to C ₂ H ₄ . Green Chemistry, 2017, 19, 4023-4030.	4.6	58
110	Self-adaptive Bioinspired Hummingbird-wing Stimulated Triboelectric Nanogenerators. Scientific Reports, 2017, 7, 17143.	1.6	32
111	The Full Pressure-Temperature Phase Envelope of a Mixture in 1000 Microfluidic Chambers. Angewandte Chemie, 2017, 129, 14150-14155.	1.6	6
112	Frontispiz: The Full Pressure-Temperature Phase Envelope of a Mixture in 1000 Microfluidic Chambers. Angewandte Chemie, 2017, 129, .	1.6	1
113	Predominance of sperm motion in corners. Scientific Reports, 2016, 6, 26669.	1.6	41
114	A combined method for pore-scale optical and thermal characterization of SAGD. Journal of Petroleum Science and Engineering, 2016, 146, 866-873.	2.1	21
115	Enhanced electrocatalytic CO ₂ reduction via field-induced reagent concentration. Nature, 2016, 537, 382-386.	13.7	1,429
116	Paper-based sperm DNA integrity analysis. Analytical Methods, 2016, 8, 6260-6264.	1.3	21
117	High-Density Nanosharp Microstructures Enable Efficient CO ₂ Electroreduction. Nano Letters, 2016, 16, 7224-7228.	4.5	158
118	Microfluidic Manufacturing of Polymeric Nanoparticles: Comparing Flow Control of Multiscale Structure in Single-Phase Staggered Herringbone and Two-Phase Reactors. Langmuir, 2016, 32, 12781-12789.	1.6	48
119	Photon management for augmented photosynthesis. Nature Communications, 2016, 7, 12699.	5.8	200
120	Breathable waveguides for combined light and CO ₂ delivery to microalgae. Bioresource Technology, 2016, 209, 391-396.	4.8	13
121	Direct Measurement of the Fluid Phase Diagram. Analytical Chemistry, 2016, 88, 6986-6989.	3.2	25
122	Paper-Based Quantification of Male Fertility Potential. Clinical Chemistry, 2016, 62, 458-465.	1.5	60
123	Biomass-to-biocrude on a chip via hydrothermal liquefaction of algae. Lab on A Chip, 2016, 16, 256-260.	3.1	27
124	Self-assembled nanoparticle-stabilized photocatalytic reactors. Nanoscale, 2016, 8, 2107-2115.	2.8	22
125	Microfluidic Synthesis of Photoresponsive Spool-Like Block Copolymer Nanoparticles: Flow-Directed Formation and Light-Triggered Dissociation. Chemistry of Materials, 2015, 27, 8094-8104.	3.2	29
126	Fast Fluorescence-Based Microfluidic Method for Measuring Minimum Miscibility Pressure of CO ₂ in Crude Oils. Analytical Chemistry, 2015, 87, 3160-3164.	3.2	68

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127	Disposable Plasmonics: Rapid and Inexpensive Large Area Patterning of Plasmonic Structures with CO ₂ Laser Annealing. <i>Langmuir</i> , 2015, 31, 5252-5258.	1.6	16
128	Microfluidic assessment of swimming media for motility-based sperm selection. <i>Biomicrofluidics</i> , 2015, 9, 044113.	1.2	37
129	Direct DNA Analysis with Paper-Based Ion Concentration Polarization. <i>Journal of the American Chemical Society</i> , 2015, 137, 13913-13919.	6.6	121
130	Two-dimensional slither swimming of sperm within a micrometre of a surface. <i>Nature Communications</i> , 2015, 6, 8703.	5.8	135
131	A photosynthetic-plasmonic-voltaic cell: Excitation of photosynthetic bacteria and current collection through a plasmonic substrate. <i>Applied Physics Letters</i> , 2014, 104, 043704.	1.5	22
132	Fiber refractometer to detect and distinguish carbon dioxide and methane leakage in the deep ocean. <i>International Journal of Greenhouse Gas Control</i> , 2014, 31, 41-47.	2.3	9
133	Pore-Scale Assessment of Nanoparticle-Stabilized CO ₂ Foam for Enhanced Oil Recovery. <i>Energy & Fuels</i> , 2014, 28, 6221-6227.	2.5	150
134	Determination of Dew Point Conditions for CO ₂ with Impurities Using Microfluidics. <i>Environmental Science & Technology</i> , 2014, 48, 3567-3574.	4.6	44
135	Energy: the microfluidic frontier. <i>Lab on A Chip</i> , 2014, 14, 3127-3134.	3.1	144
136	Steam-on-a-chip for oil recovery: the role of alkaline additives in steam assisted gravity drainage. <i>Lab on A Chip</i> , 2013, 13, 3832.	3.1	81
137	Field tested milliliter-scale blood filtration device for point-of-care applications. <i>Biomicrofluidics</i> , 2013, 7, 44111.	1.2	28
138	Bitumen-Toluene Mutual Diffusion Coefficients Using Microfluidics. <i>Energy & Fuels</i> , 2013, 27, 2042-2048.	2.5	64
139	Culturing photosynthetic bacteria through surface plasmon resonance. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	24
140	Optofluidic Concentration: Plasmonic Nanostructure as Concentrator and Sensor. <i>Nano Letters</i> , 2012, 12, 1592-1596.	4.5	121
141	Rapid Microfluidics-Based Measurement of CO ₂ Diffusivity in Bitumen. <i>Energy & Fuels</i> , 2011, 25, 4829-4835.	2.5	82
142	Optofluidics for energy applications. <i>Nature Photonics</i> , 2011, 5, 583-590.	15.6	266
143	Visualization and numerical modelling of microfluidic on-chip injection processes. <i>Journal of Colloid and Interface Science</i> , 2003, 260, 431-439.	5.0	38
144	A dynamic loading method for controlling on-chip microfluidic sample injection. <i>Journal of Colloid and Interface Science</i> , 2003, 266, 448-456.	5.0	38

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145	Effects of liquid conductivity differences on multi-component sample injection, pumping and stacking in microfluidic chips. Lab on A Chip, 2003, 3, 173.	3.1	18
146	Direct and Indirect Electroosmotic Flow Velocity Measurements in Microchannels. Journal of Colloid and Interface Science, 2002, 254, 184-189.	5.0	51