Chuanrui Chen

List of Publications by Year
in descending order

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41 papers	3,358 citations	201385 27 h-index	276539 41 g-index
42 all docs	42 docs citations	42 times ranked	2837 citing authors

#	Article	IF	Citations
1	Injectable Fiber Electronics for Tumor Treatment. Advanced Fiber Materials, 2022, 4, 246-255.	7.9	21
2	Phototactic micromotor assemblies in dynamic line formations for wide-range micromanipulations. Journal of Materials Chemistry C, 2022, 10, 5079-5087.	2.7	12
3	An Antiâ€Biofouling Flexible Fiber Biofuel Cell Working in the Brain. Small Methods, 2022, 6, e2200142.	4.6	11
4	Implantable Fiber Biosensors Based on Carbon Nanotubes. Accounts of Materials Research, 2021, 2, 138-146.	5.9	31
5	Flexible dopamine-sensing fiber based on potentiometric method for long-term detection in vivo. Science China Chemistry, 2021, 64, 1763-1769.	4.2	18
6	The Rise of Soft Neural Electronics. Giant, 2021, 8, 100075.	2.5	5
7	Recent advances of tissue-interfaced chemical biosensors. Journal of Materials Chemistry B, 2020, 8, 3371-3381.	2.9	15
8	A fiber-shaped light-emitting pressure sensor for visualized dynamic monitoring. Journal of Materials Chemistry C, 2020, 8, 935-942.	2.7	16
9	Fiber-shaped organic electrochemical transistors for biochemical detections with high sensitivity and stability. Science China Chemistry, 2020, 63, 1281-1288.	4.2	51
10	A perovskite solar cell textile that works at â˜'40 to 160 Â°C. Journal of Materials Chemistry A, 2020, 8, 5476-5483.	5.2	25
11	A fiber-shaped neural probe with alterable elastic moduli for direct implantation and stable electronicâ€“brain interfaces. Journal of Materials Chemistry B, 2020, 8, 4387-4394.	2.9	39
12	Motile Micropump Based on Synthetic Micromotors for Dynamic Micropatterning. ACS Applied Materials & Interfaces, 2019, 11, 28507-28514.	4.0	37
13	Controlled Drug Release: Magnesium Particles Coated with Mesoporous Nanoshells as Sustainable Therapeutic-Hydrogen Suppliers to Scavenge Continuously Generated Hydroxyl Radicals in Long Term (Part. Part. Syst. Charact. 2/2019). Particle and Particle Systems Characterization, 2019, 36, 1970006.	1.2	0
14	Rotibot: Use of Rotifers as Selfâ€Propelling Biohybrid Microcleaners. Advanced Functional Materials, 2019, 29, 1900658.	7.8	37
15	Structureâ€Dependent Optical Modulation of Propulsion and Collective Behavior of Acoustic/Lightâ€Driven Hybrid Microbowls. Advanced Functional Materials, 2019, 29, 1809003.	7.8	79
16	Magnesium Particles Coated with Mesoporous Nanoshells as Sustainable Therapeuticâ€Hydrogen Suppliers to Scavenge Continuously Generated Hydroxyl Radicals in Long Term. Particle and Particle Systems Characterization, 2019, 36, 1800424.	1.2	14
17	Hybrid Nanovehicles: One Machine, Two Engines. Advanced Functional Materials, 2019, 29, 1806290.	7.8	77
18	Parallel Labelâ€Free Isolation of Cancer Cells Using Arrays of Acoustic Microstreaming Traps. Advanced Materials Technologies, 2019, 4, 1800374.	3.0	35

#	Article	IF	Citations
19	Magnesiumâ€Based Micromotors: Waterâ€Powered Propulsion, Multifunctionality, and Biomedical and Environmental Applications. Small, 2018, 14, e1704252.	5.2	132
20	Biomimetic Plateletâ€Camouflaged Nanorobots for Binding and Isolation of Biological Threats. Advanced Materials, 2018, 30, 1704800.	11.1	139
21	Bioinspired Chemical Communication between Synthetic Nanomotors. Angewandte Chemie, 2018, 130, 247-251.	1.6	14
22	Bioinspired Chemical Communication between Synthetic Nanomotors. Angewandte Chemie - International Edition, 2018, 57, 241-245.	7.2	54
23	Intelligent Micro/nanomotors with Taxis. Accounts of Chemical Research, 2018, 51, 3006-3014.	7.6	118
24	Sweat-based wearable energy harvesting-storage hybrid textile devices. Energy and Environmental Science, 2018, 11, 3431-3442.	15.6	196
25	Hydrophobic Janus Foam Motors: Self-Propulsion and On-The-Fly Oil Absorption. Micromachines, 2018, 9, 23.	1.4	22
26	Chemical/Lightâ€Powered Hybrid Micromotors with â€œOnâ€theâ€Flyâ€•Optical Brakes. Angewandte Chemie - International Edition, 2018, 57, 8110-8114.	7.2	67
27	Chemical/Lightâ€Powered Hybrid Micromotors with â€œOnâ€theâ€Flyâ€•Optical Brakes. Angewandte Chemie, 2018, 130, 8242-8246.	1.6	34
28	Chemotactic Guidance of Synthetic Organic/Inorganic Payloads Functionalized Sperm Micromotors. Advanced Biology, 2018, 2, 1700160.	3.0	98
29	Semiconductors: Lightâ€Steered Isotropic Semiconductor Micromotors (Adv. Mater. 3/2017). Advanced Materials, 2017, 29, .	11.1	5
30	Utilizing Iron's Attractive Chemical and Magnetic Properties in Microrocket Design, Extended Motion, and Unique Performance. Small, 2017, 13, 1700035.	5.2	24
31	Nanoconfined Atomic Layer Deposition of TiO 2 /Pt Nanotubes: Toward Ultrasmall Highly Efficient Catalytic Nanorockets. Advanced Functional Materials, 2017, 27, 1700598.	7.8	54
32	Micromotor-enabled active drug delivery for in vivo treatment of stomach infection. Nature Communications, 2017, 8, 272.	5.8	424
33	Lightâ€Steered Isotropic Semiconductor Micromotors. Advanced Materials, 2017, 29, 1603374.	11.1	246
34	Transient Micromotors That Disappear When No Longer Needed. ACS Nano, 2016, 10, 10389-10396.	7.3	109
35	Light-controlled bubble propulsion of amorphous TiO₂/Au Janus micromotors. RSC Advances, 2016, 6, 10697-10703.	1.7	72
36	Light-controlled propulsion, aggregation and separation of water-fuelled TiO₂/Pt Janus submicromotors and their â€œon-the-flyâ€•photocatalytic activities. Nanoscale, 2016, 8, 4976-4983.	2.8	172

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37	Magnetically Modulated Potâ€Like MnFe₂O₄ Micromotors: Nanoparticle Assembly Fabrication and their Capability for Direct Oil Removal. Advanced Functional Materials, 2015, 25, 6173-6181.	7.8	141
38	Single-Component TiO₂Tubular Microengines with Motion Controlled by Light-Induced Bubbles. Small, 2015, 11, 2564-2570.	5.2	154
39	Autonomous Motion and Temperature-Controlled Drug Delivery of Mg/Pt-Poly(N-isopropylacrylamide) Janus Micromotors Driven by Simulated Body Fluid and Blood Plasma. ACS Applied Materials & Interfaces, 2014, 6, 9897-9903.	4.0	253
40	Oppositely charged twin-head electrospray: a general strategy for building Janus particles with controlled structures. Nanoscale, 2013, 5, 2055.	2.8	40
41	Selfâ€Propelled Micromotors Driven by the Magnesiumâ€“Water Reaction and Their Hemolytic Properties. Angewandte Chemie - International Edition, 2013, 52, 7208-7212.	7.2	223