

Fangyu Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5517029/publications.pdf>

Version: 2024-02-01

18
papers

2,161
citations

516215

16
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839053

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all docs

19
docs citations

19
times ranked

2652
citing authors

#	ARTICLE	IF	CITATIONS
1	Bio-Inspired Evaporation Through Plasmonic Film of Nanoparticles at the Air-Water Interface. <i>Small</i> , 2014, 10, 3234-3239.	5.2	418
2	An epidermal patch for the simultaneous monitoring of haemodynamic and metabolic biomarkers. <i>Nature Biomedical Engineering</i> , 2021, 5, 737-748.	11.6	309
3	Enzyme-powered Janus platelet cell robots for active and targeted drug delivery. <i>Science Robotics</i> , 2020, 5, .	9.9	236
4	Bioinspired Engineering of Thermal Materials. <i>Advanced Materials</i> , 2015, 27, 428-463.	11.1	225
5	Smart Materials for Microrobots. <i>Chemical Reviews</i> , 2022, 122, 5365-5403.	23.0	201
6	Micromotor Pills as a Dynamic Oral Delivery Platform. <i>ACS Nano</i> , 2018, 12, 8397-8405.	7.3	104
7	Infrared Detection Based on Localized Modification of Morpho Butterfly Wings. <i>Advanced Materials</i> , 2015, 27, 1077-1082.	11.1	90
8	A passive perspiration biofuel cell: High energy return on investment. <i>Joule</i> , 2021, 5, 1888-1904.	11.7	89
9	A Nanomotor-Based Active Delivery System for Intracellular Oxygen Transport. <i>ACS Nano</i> , 2019, 13, 11996-12005.	7.3	81
10	Structure-Dependent Optical Modulation of Propulsion and Collective Behavior of Acoustic/Light-Driven Hybrid Microbowls. <i>Advanced Functional Materials</i> , 2019, 29, 1809003.	7.8	79
11	A Macrophage-Magnesium Hybrid Biomotor: Fabrication and Characterization. <i>Advanced Materials</i> , 2019, 31, e1901828.	11.1	76
12	Chemical/Light-Powered Hybrid Micromotors with On-the-Fly Optical Brakes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8110-8114.	7.2	67
13	Micromotors for Active Delivery of Minerals toward the Treatment of Iron Deficiency Anemia. <i>Nano Letters</i> , 2019, 19, 7816-7826.	4.5	54
14	ACE2 Receptor-Modified Algae-Based Microrobot for Removal of SARS-CoV-2 in Wastewater. <i>Journal of the American Chemical Society</i> , 2021, 143, 12194-12201.	6.6	42
15	Biomembrane-Functionalized Micromotors: Biocompatible Active Devices for Diverse Biomedical Applications. <i>Advanced Materials</i> , 2022, 34, e2107177.	11.1	41
16	Chemical/Light-Powered Hybrid Micromotors with On-the-Fly Optical Brakes. <i>Angewandte Chemie</i> , 2018, 130, 8242-8246.	1.6	34
17	Evaporation: Bio-Inspired Evaporation Through Plasmonic Film of Nanoparticles at the Air-Water Interface (<i>Small</i> 16/2014). <i>Small</i> , 2014, 10, 3233-3233.	5.2	14
18	An ancient method-inspired route for fast fabrication of PbS bird feathers™. <i>MRS Communications</i> , 2013, 3, 61-65.	0.8	1