

Fangyu Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

2,161
citations

516215

16
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839053

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19
all docs

19
docs citations

19
times ranked

2652
citing authors

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