

Xiaohui Yan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/521110/publications.pdf>

Version: 2024-02-01

29
papers

1,946
citations

430874

18
h-index

501196

28
g-index

29
all docs

29
docs citations

29
times ranked

2312
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-Dimensional Hierarchical HRP-MIL-100(Fe) ₂ @TiO ₂ @Fe ₃ O ₄ Janus Magnetic Micromotor as a Smart Active Platform for Detection and Degradation of Hydroquinone. ACS Applied Materials & Interfaces, 2022, 14, 6484-6498.	8.0	34
2	3-D Autonomous Manipulation System of Helical Microswimmers With Online Compensation Update. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1380-1391.	5.2	26
3	Spirulina-templated porous hollow carbon@magnetite core-shell microswimmers. Applied Materials Today, 2021, 22, 100962.	4.3	17
4	Cost-Effective, High-Yield Production of Biotemplated Catalytic Tubular Micromotors as Self-Propelled Microcleaners for Water Treatment. ACS Applied Materials & Interfaces, 2021, 13, 31226-31235.	8.0	37
5	Enzyme-Powered Liquid Metal Nanobots Endowed with Multiple Biomedical Functions. ACS Nano, 2021, 15, 11543-11554.	14.6	91
6	Bioinspired 3D hierarchical BSA-NiCo ₂ O ₄ @MnO ₂ /C multifunctional micromotors for simultaneous spectrophotometric determination of enzyme activity and pollutant removal. Journal of Cleaner Production, 2021, 309, 127294.	9.3	21
7	Molecular Transport of a Magnetic Nanoparticle Swarm Towards Thrombolytic Therapy. IEEE Robotics and Automation Letters, 2021, 6, 5605-5612.	5.1	17
8	Active magnetic Fe ³⁺ -doped BiOBr micromotors as efficient solar photo-fenton catalyst. Journal of Cleaner Production, 2020, 252, 119573.	9.3	36
9	Endocytosis-Enabled Construction of Silica Nanochannels Crossing Living Cell Membrane for Transmembrane Drug Transport. Advanced Functional Materials, 2020, 30, 2002761.	14.9	11
10	Genetically engineered magnetic nanocages for cancer magneto-catalytic theranostics. Nature Communications, 2020, 11, 5421.	12.8	84
11	Importance of Robust and Reliable Nanochannel Sealing for Enhancing Drug Delivery Efficacy of Hollow Mesoporous Nanocontainer. ACS Applied Bio Materials, 2020, 3, 1434-1443.	4.6	6
12	Photoacoustic Imaging-Trackable Magnetic Microswimmers for Pathogenic Bacterial Infection Treatment. ACS Nano, 2020, 14, 2880-2893.	14.6	155
13	Molecular cargo delivery using multicellular magnetic microswimmers. Applied Materials Today, 2019, 15, 242-251.	4.3	52
14	Study on microstructure and properties of Zn-20Sn-0.2Ni-xRE solders. Journal of Materials Science: Materials in Electronics, 2019, 30, 824-831.	2.2	0
15	Effect of Rare Earth Metals on the Properties of Zn-20Sn High-Temperature Lead-Free Solder. Journal of Electronic Materials, 2019, 48, 2685-2690.	2.2	2
16	Citrate-based fluorophores in polymeric matrix by easy and green in situ synthesis for full-band UV shielding and emissive transparent display. Journal of Materials Science, 2019, 54, 1236-1247.	3.7	13
17	Noninvasive magnetic resonance/photoacoustic imaging for photothermal therapy response monitoring. Nanoscale, 2018, 10, 5864-5868.	5.6	25
18	Microstructure and mechanical properties of a novel refractory AlNbTiZr high-entropy alloy. Materials Science and Technology, 2018, 34, 1309-1315.	1.6	34

#	ARTICLE	IF	CITATIONS
19	Construction of unconventional fluorescent poly(amino ester) polyols as sensing platform for label-free detection of Fe ³⁺ ions and L-cysteine. <i>Journal of Materials Science</i> , 2018, 53, 15717-15725.	3.7	15
20	One-step synthesis and assembly of spindle-shaped akaganite nanoparticles via sonochemistry. <i>CrystEngComm</i> , 2018, 20, 2989-2995.	2.6	6
21	Sulfated hyaluronic acid hydrogels with retarded degradation and enhanced growth factor retention promote hMSC chondrogenesis and articular cartilage integrity with reduced hypertrophy. <i>Acta Biomaterialia</i> , 2017, 53, 329-342.	8.3	136
22	Highly Acid-Resistant, Magnetically Steerable Acoustic Micromotors Prepared by Coating Gold Microrods with Fe ₃ O ₄ Nanoparticles via pH Adjustment. <i>Particle and Particle Systems Characterization</i> , 2017, 34, 1600277.	2.3	25
23	Citric Acid/Cysteine-Modified Cellulose-Based Materials: Green Preparation and Their Applications in Anticounterfeiting, Chemical Sensing, and UV Shielding. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 11387-11394.	6.7	55
24	Multifunctional biohybrid magnetite microrobots for imaging-guided therapy. <i>Science Robotics</i> , 2017, 2, .	17.6	594
25	Swimming Characteristics of Bioinspired Helical Microswimmers Based on Soft Lotus-Root Fibers. <i>Micromachines</i> , 2017, 8, 349.	2.9	18
26	Multiple deformation mechanisms in the stone of a sea urchin tooth. <i>CrystEngComm</i> , 2016, 18, 5718-5723.	2.6	2
27	Transdermal Delivery of siRNA through Microneedle Array. <i>Scientific Reports</i> , 2016, 6, 21422.	3.3	54
28	Magnetite Nanostructured Porous Hollow Helical Microswimmers for Targeted Delivery. <i>Advanced Functional Materials</i> , 2015, 25, 5333-5342.	14.9	210
29	Magnetic Actuation Based Motion Control for Microrobots: An Overview. <i>Micromachines</i> , 2015, 6, 1346-1364.	2.9	170