Hong Wang

List of Publications by Year
in descending order

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48	2,658	201385 27	205818 48
papers	citations	h-index	g-index

49	49	49	2205
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Construction of direct Z-scheme SnS2@ZnIn2S4@kaolinite heterostructure photocatalyst for efficient photocatalytic degradation of tetracycline hydrochloride. Chemical Engineering Journal, 2022, 429, 132105.	6.6	34
2	Injectable Micromotor@Hydrogel System for Antibacterial Therapy. Chemistry - A European Journal, 2022, 28, .	1.7	12
3	An immunoassay based on nanomotor-assisted electrochemical response for the detection of immunoglobulin. Mikrochimica Acta, 2022, 189, 47.	2.5	10
4	Monitoring Methionine Decarboxylase by a Supramolecular Tandem Assay. Chemistry - an Asian Journal, 2022, 17, .	1.7	4
5	Enzyme-powered nanomotors with enhanced cell uptake and lysosomal escape for combined therapy of cancer. Applied Materials Today, 2022, 27, 101445.	2.3	11
6	In situ stable growth of Bi2WO6 on natural hematite for efficient antibiotic wastewater purification by photocatalytic activation of peroxymonosulfate. Chemical Engineering Journal, 2022, 446, 136704.	6.6	8
7	Biotemplated Shell Micromotors for Efficient Degradation of Antibiotics via Enhanced Peroxymonosulfate Activation. Advanced Materials Interfaces, 2022, 9, .	1.9	7
8	Visible-light-responsive Z-scheme heterojunction MoS2 NTs/CuInS2 QDs photoanode for enhanced photoelectrocatalytic degradation of tetracycline. Applied Materials Today, 2022, 28, 101504.	2.3	4
9	Direct Z-scheme heterojunction of ZnO/MoS2 nanoarrays realized by flowing-induced piezoelectric field for enhanced sunlight photocatalytic performances. Applied Catalysis B: Environmental, 2021, 285, 119785.	10.8	124
10	Dualâ€Propelled Sporopolleninâ€Exineâ€Capsule Micromotors for Nearâ€Infrared Light Triggered Degradation of Organic Pollutants. ChemNanoMat, 2021, 7, 483-487.	1.5	4
11	Biocompatible Nanomotors as Active Diagnostic Imaging Agents for Enhanced Magnetic Resonance Imaging of Tumor Tissues In Vivo. Advanced Functional Materials, 2021, 31, 2100936.	7.8	54
12	Structural and optical characteristics of novel rareâ€earthâ€free red-emitting BaSn(PO4)2:Mn4+ phosphor. Journal of Molecular Structure, 2021, 1229, 129839.	1.8	15
13	Polydopamine-Based Surface Modification of Chlorella Microspheres for Multiple Environmental Applications. Journal of Nanoscience and Nanotechnology, 2021, 21, 3065-3071.	0.9	3
14	Hydrogelâ€Based Motors. Advanced Materials Technologies, 2021, 6, 2100158.	3.0	9
15	Self-Propelled Aerogel Solar Evaporators for Efficient Solar Seawater Purification. Langmuir, 2021, 37, 9532-9539.	1.6	19
16	Dual-stimuli-responsive CuS-based micromotors for efficient photo-Fenton degradation of antibiotics. Journal of Colloid and Interface Science, 2021, 603, 685-694.	5.0	46
17	Rapid synthesis of self-propelled tubular micromotors for â€œONâ€“OFFâ€•fluorescent detection of explosives. Chemical Communications, 2021, 57, 10528-10531.	2.2	16
18	Iron-Exchanged Zeolite Micromotors for Enhanced Degradation of Organic Pollutants. Langmuir, 2020, 36, 6924-6929.	1.6	29

#	Article	IF	Citations
19	Fluorescent self-propelled covalent organic framework as a microsensor for nitro explosive detection. Applied Materials Today, 2020, 19, 100550.	2.3	36
20	Nanorobots: Machines Squeezed between Molecular Motors and Micromotors. CheM, 2020, 6, 867-884.	5.8	56
21	Coordinated behaviors of artificial micro/nanomachines: from mutual interactions to interactions with the environment. Chemical Society Reviews, 2020, 49, 3211-3230.	18.7	91
22	Magnetically driven motile superhydrophobic sponges for efficient oil removal. Applied Materials Today, 2019, 15, 263-266.	2.3	55
23	Micro/Nanomachines and Living Biosystems: From Simple Interactions to Microcyborgs. Advanced Functional Materials, 2018, 28, 1705421.	7.8	99
24	Bjerknes Forces in Motion: Longâ€Range Translational Motion and Chiral Directionality Switching in Bubbleâ€Propelled Micromotors via an Ultrasonic Pathway. Advanced Functional Materials, 2018, 28, 1702618.	7.8	41
25	Rational Design of Nanoparticles with Deep Tumor Penetration for Effective Treatment of Tumor Metastasis. Advanced Functional Materials, 2018, 28, 1801840.	7.8	112
26	Emerging materials for the fabrication of micro/nanomotors. Nanoscale, 2017, 9, 2109-2116.	2.8	67
27	Nano/Microrobots Meet Electrochemistry. Advanced Functional Materials, 2017, 27, 1604759.	7.8	67
28	Bioinspired Spiky Micromotors Based on Sporopollenin Exine Capsules. Advanced Functional Materials, 2017, 27, 1702338.	7.8	92
29	Influence of pH on the Motion of Catalytic Janus Particles and Tubular Bubbleâ€Propelled Micromotors. Chemistry - A European Journal, 2016, 22, 355-360.	1.7	28
30	From Nanomotors to Micromotors: The Influence of the Size of an Autonomous Bubble-Propelled Device upon Its Motion. ACS Nano, 2016, 10, 5041-5050.	7.3	97
31	Catalytic DNA-Functionalized Self-Propelled Micromachines for Environmental Remediation. CheM, 2016, 1, 473-481.	5.8	68
32	Beyond platinum: silver-catalyst based bubble-propelled tubular micromotors. Chemical Communications, 2016, 52, 4333-4336.	2.2	65
33	Simultaneous self-exfoliation and autonomous motion of MoS₂particles in water. Chemical Communications, 2015, 51, 9899-9902.	2.2	13
34	Fabrication of Micro/Nanoscale Motors. Chemical Reviews, 2015, 115, 8704-8735.	23.0	603
35	The gating effect by thousands of bubble-propelled micromotors in macroscale channels. Nanoscale, 2015, 7, 11575-11579.	2.8	4
36	Electrochemical properties of layered SnO and PbO for energy applications. RSC Advances, 2015, 5, 101949-101958.	1.7	11

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37	Blood metabolite strongly suppresses motion of electrochemically deposited catalytic self-propelled microjet engines. Electrochemistry Communications, 2014, 38, 128-130.	2.3	10
38	Iridiumâ€Catalystâ€Based Autonomous Bubbleâ€Propelled Graphene Micromotors with Ultralow Catalyst Loading. Chemistry - A European Journal, 2014, 20, 14946-14950.	1.7	25
39	Acetylene bubble-powered autonomous capsules: towards in situ fuel. Chemical Communications, 2014, 50, 15849-15851.	2.2	10
40	Tissue cell assisted fabrication of tubular catalytic platinum microengines. Nanoscale, 2014, 6, 11359-11363.	2.8	27
41	Biomimetic Artificial Inorganic Enzymeâ€Free Selfâ€Propelled Microfish Robot for Selective Detection of Pb²⁺ in Water. Chemistry - A European Journal, 2014, 20, 4292-4296.	1.7	99
42	Beyond Platinum: Bubble-Propelled Micromotors Based on Ag and MnO₂ Catalysts. Journal of the American Chemical Society, 2014, 136, 2719-2722.	6.6	205
43	Crucial Role of Surfactants in Bubble-Propelled Microengines. Journal of Physical Chemistry C, 2014, 118, 5268-5274.	1.5	79
44	Influence of real-world environments on the motion of catalytic bubble-propelled micromotors. Lab on A Chip, 2013, 13, 2937.	3.1	40
45	Blood electrolytes exhibit a strong influence on the mobility of artificial catalytic microengines. Physical Chemistry Chemical Physics, 2013, 15, 17277.	1.3	24
46	Artificial micro-cinderella based on self-propelled micromagnets for the active separation of paramagnetic particles. Chemical Communications, 2013, 49, 5147.	2.2	27
47	PhI(OCOCF3)2-Mediated Câ€“C Bond Formation Concomitant with a 1,2-Aryl Shift in a Metal-Free Synthesis of 3-Arylquinolin-2-ones. Organic Letters, 2013, 15, 2906-2909.	2.4	71
48	Blood Proteins Strongly Reduce the Mobility of Artificial Selfâ€Propelled Micromotors. Chemistry - A European Journal, 2013, 19, 16756-16759.	1.7	27