

Nanjing Hao

List of Publications by Year in descending order

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64
papers

3,625
citations

168829

31
h-index

150775

59
g-index

66
all docs

66
docs citations

66
times ranked

6280
citing authors

#	ARTICLE	IF	CITATIONS
1	Acoustic microreactors for chemical engineering. <i>Chemical Engineering Journal</i> , 2022, 433, 133258.	6.6	16
2	Acoustofluidic multimodal diagnostic system for Alzheimer's disease. <i>Biosensors and Bioelectronics</i> , 2022, 196, 113730.	5.3	31
3	Acoustofluidic micromixers: From rational design to lab-on-a-chip applications. <i>Applied Materials Today</i> , 2022, 26, 101356.	2.3	20
4	Acoustics-Actuated Microrobots. <i>Micromachines</i> , 2022, 13, 481.	1.4	23
5	Acoustofluidic black holes for multifunctional in-droplet particle manipulation. <i>Science Advances</i> , 2022, 8, eabm2592.	4.7	17
6	Acoustofluidics for simultaneous nanoparticle-based drug loading and exosome encapsulation. <i>Microsystems and Nanoengineering</i> , 2022, 8, 45.	3.4	27
7	Rational design of robust flower-like sharp-edge acoustic micromixers towards efficient engineering of functional 3D ZnO nanorod array. <i>Chemical Engineering Journal</i> , 2022, 447, 137547.	6.6	10
8	Silver nanoparticle on zinc oxide array for label-free detection of opioids through surface-enhanced raman spectroscopy. <i>RSC Advances</i> , 2021, 11, 11329-11337.	1.7	11
9	Fabrication of monodisperse magnetic nanorods for improving hyperthermia efficacy. <i>Journal of Nanobiotechnology</i> , 2021, 19, 63.	4.2	8
10	Skin-like Elastomer Embedded Zinc Oxide Nanoarrays for Biomechanical Energy Harvesting. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100094.	1.9	11
11	Biomechanical Energy Harvester: Skin-like Elastomer Embedded Zinc Oxide Nanoarrays for Biomechanical Energy Harvesting (<i>Adv. Mater. Interfaces</i> 10/2021). <i>Advanced Materials Interfaces</i> , 2021, 8, 2170057.	1.9	1
12	Acoustoelectronic nanotweezers enable dynamic and large-scale control of nanomaterials. <i>Nature Communications</i> , 2021, 12, 3844.	5.8	22
13	Sharp-edge acoustic microfluidics: Principles, structures, and applications. <i>Applied Materials Today</i> , 2021, 25, 101239.	2.3	18
14	Microfluidics-enabled acceleration of Fenton oxidation for degradation of organic dyes with rod-like zero-valent iron nanoassemblies. <i>Journal of Colloid and Interface Science</i> , 2020, 559, 254-262.	5.0	36
15	Microfluidics-Assisted Surface Trifunctionalization of a Zeolitic Imidazolate Framework Nanocarrier for Targeted and Controllable Multitherapies of Tumors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 45838-45849.	4.0	39
16	Acoustofluidic multi-well plates for enrichment of micro/nano particles and cells. <i>Lab on A Chip</i> , 2020, 20, 3399-3409.	3.1	33
17	Acoustofluidics-Assisted Fluorescence-SERS Bimodal Biosensors. <i>Small</i> , 2020, 16, e2005179.	5.2	68
18	Flexible Energy Harvester on a Pacemaker Lead Using Multibeam Piezoelectric Composite Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 34170-34179.	4.0	40

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19	Flexible piezoelectric nanogenerators using metal-doped ZnO-PVDF films. <i>Sensors and Actuators A: Physical</i> , 2020, 305, 111912.	2.0	91
20	Advances in diagnostic microfluidics. <i>Advances in Clinical Chemistry</i> , 2020, 95, 1-72.	1.8	37
21	Microfluidics for ZnO micro-/nanomaterials development: rational design, controllable synthesis, and on-chip bioapplications. <i>Biomaterials Science</i> , 2020, 8, 1783-1801.	2.6	35
22	Acoustofluidics-Assisted Engineering of Multifunctional Three-Dimensional Zinc Oxide Nanoarrays. <i>ACS Nano</i> , 2020, 14, 6150-6163.	7.3	56
23	Microfluidics-enabled rational design of ZnO micro-/nanoparticles with enhanced photocatalysis, cytotoxicity, and piezoelectric properties. <i>Chemical Engineering Journal</i> , 2019, 378, 122222.	6.6	67
24	Magnetic nanotechnology for circulating tumor biomarkers screening: Rational design, microfluidics integration and applications. <i>Biomicrofluidics</i> , 2019, 13, .	1.2	19
25	Microfluidics for silica biomaterials synthesis: opportunities and challenges. <i>Biomaterials Science</i> , 2019, 7, 2218-2240.	2.6	42
26	Ultrafast microfluidic synthesis of hierarchical triangular silver core-silica shell nanoplatelet toward enhanced cellular internalization. <i>Journal of Colloid and Interface Science</i> , 2019, 542, 370-378.	5.0	22
27	Microfluidic continuous flow synthesis of functional hollow spherical silica with hierarchical sponge-like large porous shell. <i>Chemical Engineering Journal</i> , 2019, 366, 433-438.	6.6	59
28	Microfluidic synthesis and on-chip enrichment application of two-dimensional hollow sandwich-like mesoporous silica nanosheet with water ripple-like surface. <i>Journal of Colloid and Interface Science</i> , 2019, 539, 87-94.	5.0	16
29	Microfluidic synthesis of functional inorganic micro-/nanoparticles and applications in biomedical engineering. <i>International Materials Reviews</i> , 2018, 63, 461-487.	9.4	76
30	Microfluidic Flow Synthesis of Functional Mesoporous Silica Nanofibers with Tunable Aspect Ratios. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1522-1526.	3.2	38
31	Microfluidic Screening of Circulating Tumor Biomarkers toward Liquid Biopsy. <i>Separation and Purification Reviews</i> , 2018, 47, 19-48.	2.8	31
32	Biomimetic hierarchical walnut kernel-like and erythrocyte-like mesoporous silica nanomaterials: Controllable synthesis and versatile applications. <i>Microporous and Mesoporous Materials</i> , 2018, 261, 144-149.	2.2	19
33	Microfluidics-enabled rapid manufacturing of hierarchical silica-magnetic microflower toward enhanced circulating tumor cell screening. <i>Biomaterials Science</i> , 2018, 6, 3121-3125.	2.6	16
34	Tunable Buckled Beams with Mesoporous PVDF-TrFE/SWCNT Composite Film for Energy Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33516-33522.	4.0	13
35	Microfluidics-enabled rational design of immunomagnetic nanomaterials and their shape effect on liquid biopsy. <i>Lab on A Chip</i> , 2018, 18, 1997-2002.	3.1	22
36	Hierarchical Lotus Leaf-Like Mesoporous Silica Material with Unique Bilayer and Hollow Sandwich-Like Folds: Synthesis, Mechanism, and Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2044-2049.	3.2	20

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37	Ultrafast Synthesis of Multifunctional Submicrometer Hollow Silica Spheres in Microfluidic Spiral Channels. <i>Scientific Reports</i> , 2017, 7, 12616.	1.6	21
38	Microfluidics-mediated self-template synthesis of anisotropic hollow ellipsoidal mesoporous silica nanomaterials. <i>Materials Research Letters</i> , 2017, 5, 584-590.	4.1	27
39	Roles of particle size, shape and surface chemistry of mesoporous silica nanomaterials on biological systems. <i>International Materials Reviews</i> , 2017, 62, 57-77.	9.4	73
40	Magnetic Multivalent Trehalose Glycopolymer Nanoparticles for the Detection of Mycobacteria. <i>Advanced Healthcare Materials</i> , 2016, 5, 2007-2012.	3.9	16
41	Facile and tunable synthesis of hierarchical mesoporous silica materials ranging from flower structure with wrinkled edges to hollow structure with coarse surface. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	3
42	Fabrication of Carbohydrate-Conjugated Fingerprintlike Mesoporous Silica Net for the Targeted Capture of Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 30683-30686.	4.0	1
43	BSA Protein-Mediated Synthesis of Hollow Mesoporous Silica Nanotubes, and Their Carbohydrate Conjugates for Targeting Cancer Cells and Detecting Mycobacteria. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 29208-29212.	4.0	5
44	Shape matters when engineering mesoporous silica-based nanomedicines. <i>Biomaterials Science</i> , 2016, 4, 575-591.	2.6	75
45	Shape control of mesoporous silica nanomaterials templated with dual cationic surfactants and their antibacterial activities. <i>Biomaterials Science</i> , 2016, 4, 87-91.	2.6	32
46	Glyconanomaterials for biosensing applications. <i>Biosensors and Bioelectronics</i> , 2016, 76, 113-130.	5.3	45
47	Carbohydrate-Conjugated Hollow Oblate Mesoporous Silica Nanoparticles as Nanoantibiotics to Target Mycobacteria. <i>Advanced Healthcare Materials</i> , 2015, 4, 2797-2801.	3.9	49
48	One-Step Synthesis of Amine-Functionalized Hollow Mesoporous Silica Nanoparticles as Efficient Antibacterial and Anticancer Materials. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 1040-1045.	4.0	131
49	MCM-41 mesoporous silica sheet with ordered perpendicular nanochannels for protein delivery and the assembly of Ag nanoparticles in catalytic applications. <i>Microporous and Mesoporous Materials</i> , 2015, 218, 223-227.	2.2	32
50	Lectin-gated, mesoporous, photofunctionalized glyconanoparticles for glutathione-responsive drug delivery. <i>Chemical Communications</i> , 2015, 51, 9833-9836.	2.2	34
51	Trehalose-Conjugated, Photofunctionalized Mesoporous Silica Nanoparticles for Efficient Delivery of Isoniazid into Mycobacteria. <i>ACS Biomaterials Science and Engineering</i> , 2015, 1, 1250-1255.	2.6	34
52	Shape-Mediated Biological Effects of Mesoporous Silica Nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 2508-2538.	0.5	45
53	The shape effect of mesoporous silica nanoparticles on intracellular reactive oxygen species in A375 cells. <i>New Journal of Chemistry</i> , 2014, 38, 4258.	1.4	51
54	Facile preparation of ellipsoid-like MCM-41 with parallel channels along the short axis for drug delivery and assembly of Ag nanoparticles for catalysis. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11565.	5.2	41

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55	Multifunctional Fe ₃ O ₄ @P(St/MAA)@Chitosan@Au Core/Shell Nanoparticles for Dual Imaging and Photothermal Therapy. ACS Applied Materials & Interfaces, 2013, 5, 4966-4971.	4.0	87
56	Overcoming Multidrug Resistance with Mesoporous Silica Nanorods as Nanocarrier of Doxorubicin. Journal of Nanoscience and Nanotechnology, 2012, 12, 4458-4466.	0.9	25
57	Doxorubicin loaded silica nanorattles actively seek tumors with improved anti-tumor effects. Nanoscale, 2012, 4, 3365.	2.8	63
58	<i>In Vitro</i> Degradation Behavior of Silica Nanoparticles Under Physiological Conditions. Journal of Nanoscience and Nanotechnology, 2012, 12, 6346-6354.	0.9	76
59	The shape effect of PEGylated mesoporous silica nanoparticles on cellular uptake pathway in Hela cells. Microporous and Mesoporous Materials, 2012, 162, 14-23.	2.2	125
60	Fabrication of PLGA coated silica nanorattle for controlling the drug release behavior. Science Bulletin, 2012, 57, 3631-3638.	1.7	8
61	Size dependent cellular uptake, <i>in vivo</i> fate and light-to-heat conversion efficiency of gold nanoshells on silica nanorattles. Nanoscale, 2012, 4, 3523.	2.8	40
62	The Shape Effect of Mesoporous Silica Nanoparticles on Biodistribution, Clearance, and Biocompatibility <i>in Vivo</i> . ACS Nano, 2011, 5, 5390-5399.	7.3	788
63	Silica Nanorattle-anchored Mesenchymal Stem Cells for Tumor-Tropic Therapy. ACS Nano, 2011, 5, 7462-7470.	7.3	283
64	<i>In Vivo</i> Delivery of Silica Nanorattle Encapsulated Docetaxel for Liver Cancer Therapy with Low Toxicity and High Efficacy. ACS Nano, 2010, 4, 6874-6882.	7.3	304