Hao Song

List of Publications by Year
in descending order

82 papers	3,918 citations	156536 32 h-index	145109 60 g-index
84 all docs	84 docs citations	84 times ranked	5167 citing authors

#	Article	IF	Citations
1	Mesoporous Bioactive Glasses in Cancer Diagnosis and Therapy: Stimuliâ€Responsive, Toxicity, Immunogenicity, and Clinical Translation. Advanced Science, 2022, 9, e2102678.	5.6	76
2	Quantum dotsâ€™ size matters for balancing their quantity and quality in label materials to improve lateral flow immunoassay performance for C-reactive protein determination. Biosensors and Bioelectronics, 2022, 199, 113892.	5.3	12
3	In-situ synthesis of Drug-Containing bactericidal rough silica nanoparticles for antibacterial coating. Chemical Engineering Journal, 2022, 440, 135837.	6.6	7
4	Pore architecture influences the enzyme immobilization performance of mesoporous silica nanospheres. Microporous and Mesoporous Materials, 2022, 338, 111963.	2.2	10
5	Co-Delivery of Nano-Silver and Vancomycin via Silica Nanopollens for Enhanced Antibacterial Functions. Antibiotics, 2022, 11, 685.	1.5	6
6	Alginate Particles for Enzyme Immobilization Using Spray Drying. Journal of Agricultural and Food Chemistry, 2022, 70, 7139-7147.	2.4	12
7	Nanostructured Organosilica Nitric Oxide Donors Intrinsically Regulate Macrophage Polarization with Antitumor Effect. ACS Nano, 2022, 16, 10943-10957.	7.3	33
8	Nanotechnology enabled reactive species regulation in biosystems for boosting cancer immunotherapy. Nano Today, 2021, 36, 101035.	6.2	28
9	Large scale synthesis of self-assembled shuttlecock-shaped silica nanoparticles with minimized drag as advanced catalytic nanomotors. Chemical Engineering Journal, 2021, 417, 127971.	6.6	9
10	Confined growth of ZIF-8 in dendritic mesoporous organosilica nanoparticles as bioregulators for enhanced mRNA delivery in vivo. National Science Review, 2021, 8, nwaa268.	4.6	21
11	Rambutan-like silica nanoparticles at tailored particle sizes for plasmid DNA delivery. Journal of Materials Science, 2021, 56, 5830-5844.	1.7	12
12	The Role of Dendritic Mesoporous Silica Nanoparticlesâ€™ Size for Quantum Dots Enrichment and Lateral Flow Immunoassay Performance. Small Methods, 2021, 5, e2000924.	4.6	30
13	Rational Design of Dendritic Mesoporous Silica Nanoparticlesâ€™ Surface Chemistry for Quantum Dot Enrichment and an Ultrasensitive Lateral Flow Immunoassay. ACS Applied Materials & Interfaces, 2021, 13, 21507-21515.	4.0	34
14	Ferroptosis-Strengthened Metabolic and Inflammatory Regulation of Tumor-Associated Macrophages Provokes Potent Tumoricidal Activities. Nano Letters, 2021, 21, 6471-6479.	4.5	65
15	Calcium-Doped Silica Nanoparticles Mixed with Phosphate-Doped Silica Nanoparticles for Rapid and Stable Occlusion of Dentin Tubules. ACS Applied Nano Materials, 2021, 4, 8761-8769.	2.4	4
16	MnO₂ Nanoflowers Induce Immunogenic Cell Death under Nutrient Deprivation: Enabling an Orchestrated Cancer Starvationâ€Immunotherapy. Advanced Science, 2021, 8, 2002667.	5.6	34
17	Asymmetric Silica Nanoparticles with Tailored Spiky Coverage Derived from Silicaâ€“Polymer Cooperative Assembly for Enhanced Hemocompatibility and Gene Delivery. ACS Applied Materials & Interfaces, 2021, 13, 50695-50704.	4.0	14
18	Functional Nanoparticles with a Reducible Tetrasulfide Motif to Upregulate mRNA Translation and Enhance Transfection in Hardâ€toâ€Transfect Cells. Angewandte Chemie, 2020, 132, 2717-2721.	1.6	13

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19	Fractal-in-a-Sphere: Confined Self-Assembly of Fractal Silica Nanoparticles. Chemistry of Materials, 2020, 32, 341-347.	3.2	38
20	Functional Nanoparticles with a Reducible Tetrasulfide Motif to Upregulate mRNA Translation and Enhance Transfection in Hardâ€toâ€Transfect Cells. Angewandte Chemie - International Edition, 2020, 59, 2695-2699.	7.2	49
21	Antibioticâ€Free Antibacterial Strategies Enabled by Nanomaterials: Progress and Perspectives. Advanced Materials, 2020, 32, e1904106.	11.1	368
22	DNA Vaccine Mediated by Rambutanâ€Like Mesoporous Silica Nanoparticles. Advanced Therapeutics, 2020, 3, 1900154.	1.6	17
23	Silica-Based Nanoparticles for Biomedical Applications: From Nanocarriers to Biomodulators. Accounts of Chemical Research, 2020, 53, 1545-1556.	7.6	128
24	Openwork@Dendritic Mesoporous Silica Nanoparticles for Lactate Depletion and Tumor Microenvironment Regulation. Angewandte Chemie - International Edition, 2020, 59, 22054-22062.	7.2	76
25	Openwork@Dendritic Mesoporous Silica Nanoparticles for Lactate Depletion and Tumor Microenvironment Regulation. Angewandte Chemie, 2020, 132, 22238-22246.	1.6	16
26	Dendritic Mesoporous Silica Nanoparticle Adjuvants Modified with Binuclear Aluminum Complex: Coordination Chemistry Dictates Adjuvanticity. Angewandte Chemie - International Edition, 2020, 59, 19610-19617.	7.2	22
27	Dendritic Mesoporous Silica Nanoparticle Adjuvants Modified with Binuclear Aluminum Complex: Coordination Chemistry Dictates Adjuvanticity. Angewandte Chemie, 2020, 132, 19778-19785.	1.6	3
28	Post translational modification-assisted cancer immunotherapy for effective breast cancer treatment. Chemical Science, 2020, 11, 10421-10430.	3.7	14
29	Antibioticâ€Free Strategies: Antibioticâ€Free Antibacterial Strategies Enabled by Nanomaterials: Progress and Perspectives (Adv. Mater. 18/2020). Advanced Materials, 2020, 32, 2070138.	11.1	14
30	Shaping Nanoparticles for Interface Catalysis: Concave Hollow Spheres via Deflationâ€“Inflation Asymmetric Growth. Advanced Science, 2020, 7, 2000393.	5.6	30
31	Lyophilization enabled disentanglement of polyethylenimine on rambutan-like silica nanoparticles for enhanced plasmid DNA delivery. Journal of Materials Chemistry B, 2020, 8, 4593-4600.	2.9	5
32	Ultralarge interlayer distance and C,N-codoping enable superior sodium storage capabilities of MoS2 nanoonions. Chemical Engineering Journal, 2019, 378, 122249.	6.6	39
33	Heterogeneous Contraction-Mediated Asymmetric Carbon Colloids. , 2019, 1, 290-296.		20
34	Nanotherapy: Nanotherapy in Joints: Increasing Endogenous Hyaluronan Production by Delivering Hyaluronan Synthase 2 (Adv. Mater. 46/2019). Advanced Materials, 2019, 31, 1970331.	11.1	4
35	Modulating Ion Diffusivity and Electrode Conductivity of Carbon Nanotube@Mesoporous Carbon Fibers for High Performance Aluminumâ€“Selenium Batteries. Small, 2019, 15, e1904310.	5.2	33
36	Responsively Aggregatable Sub-6 nm Nanochelators Induce Simultaneous Antiangiogenesis and Vascular Obstruction for Enhanced Tumor Vasculature Targeted Therapy. Nano Letters, 2019, 19, 7750-7759.	4.5	29

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37	Nanotherapy in Joints: Increasing Endogenous Hyaluronan Production by Delivering Hyaluronan Synthase 2. Advanced Materials, 2019, 31, e1904535.	11.1	51
38	Hollow Nanostructures: Electron Tomography: A Unique Tool Solving Intricate Hollow Nanostructures (Adv. Mater. 38/2019). Advanced Materials, 2019, 31, 1970272.	11.1	1
39	Mechanism of Iron Oxide-Induced Macrophage Activation: The Impact of Composition and the Underlying Signaling Pathway. Journal of the American Chemical Society, 2019, 141, 6122-6126.	6.6	126
40	Coreâ€“Shell Prussian Blue Analogs with Compositional Heterogeneity and Open Cages for Oxygen Evolution Reaction. Advanced Science, 2019, 6, 1801901.	5.6	86
41	Bottom-up self-assembly of heterotrimeric nanoparticles and their secondary Janus generations. Chemical Science, 2019, 10, 10388-10394.	3.7	26
42	Electron Tomography: A Unique Tool Solving Intricate Hollow Nanostructures. Advanced Materials, 2019, 31, e1801564.	11.1	43
43	RÃ¼cktitelbild: Oxidative Dissolution of Resoles: A Versatile Approach to Intricate Nanostructures (Angew. Chem. 3/2018). Angewandte Chemie, 2018, 130, 862-862.	1.6	0
44	Oxidative Dissolution of Resoles: A Versatile Approach to Intricate Nanostructures. Angewandte Chemie, 2018, 130, 662-666.	1.6	1
45	Hollow Mesoporous Carbon Nanocubes: Rigidâ€Interfaceâ€Induced Outward Contraction of Metalâ€Organic Frameworks. Advanced Functional Materials, 2018, 28, 1705253.	7.8	100
46	Oxidative Dissolution of Resoles: A Versatile Approach to Intricate Nanostructures. Angewandte Chemie - International Edition, 2018, 57, 654-658.	7.2	16
47	Glutathione-depletion mesoporous organosilica nanoparticles as a self-adjuvant and Co-delivery platform for enhanced cancer immunotherapy. Biomaterials, 2018, 175, 82-92.	5.7	135
48	Room temperature synthesis of dendritic mesoporous silica nanoparticles with small sizes and enhanced mRNA delivery performance. Journal of Materials Chemistry B, 2018, 6, 4089-4095.	2.9	52
49	Hybrid Nanoreactors: Enabling an Offâ€theâ€Shelf Strategy for Concurrently Enhanced Chemoâ€immunotherapy. Angewandte Chemie - International Edition, 2018, 57, 11764-11769.	7.2	108
50	Hybrid Nanoreactors: Enabling an Offâ€theâ€Shelf Strategy for Concurrently Enhanced Chemoâ€immunotherapy. Angewandte Chemie, 2018, 130, 11938-11943.	1.6	27
51	Superhydrophobic dendritic mesoporous organosilica nano-particles with ultrahigh-content of gradient organic moieties. Journal of Materials Chemistry A, 2018, 6, 17579-17586.	5.2	16
52	Kinetically Controlled Dendritic Mesoporous Silica Nanoparticles: From Dahlia- to Pomegranate-like Structures by Micelle Filling. Chemistry of Materials, 2018, 30, 5770-5776.	3.2	45
53	Asymmetric Silica Nanoparticles with Tunable Headâ€“Tail Structures Enhance Hemocompatibility and Maturation of Immune Cells. Journal of the American Chemical Society, 2017, 139, 6321-6328.	6.6	105
54	Single-Layered Mesoporous Carbon Sandwiched Graphene Nanosheets for High Performance Ionic Liquid Supercapacitors. Journal of Physical Chemistry C, 2017, 121, 23947-23954.	1.5	12

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55	Glucose-Responsive Nanosystem Mimicking the Physiological Insulin Secretion via an Enzymeâ€“Polymer Layer-by-Layer Coating Strategy. Chemistry of Materials, 2017, 29, 7725-7732.	3.2	46
56	Plasmid DNA Delivery: Nanotopography Matters. Journal of the American Chemical Society, 2017, 139, 18247-18254.	6.6	109
57	Al-modified dendritic mesoporous silica nanospheres-supported NiMo catalysts for the hydrodesulfurization of dibenzothiophene: Efficient accessibility of active sites and suitable metalâ€“support interaction. Journal of Catalysis, 2017, 356, 269-282.	3.1	81
58	Mg(OH)₂â€“MgO@reduced graphene oxide nanocomposites: the roles of composition and nanostructure in arsenite sorption. Journal of Materials Chemistry A, 2017, 5, 24484-24492.	5.2	26
59	Tailoring mesoporous-silica nanoparticles for robust immobilization of lipase and biocatalysis. Nano Research, 2017, 10, 605-617.	5.8	63
60	Rattle-type magnetic mesoporous hollow carbon as a high-performance and reusable adsorbent for water treatment. Chemosphere, 2017, 166, 109-117.	4.2	24
61	Application of Bacillus spp. in Pilot Test of Microbial Huff and Puff to Improve Heavy Oil Recovery. Energy & Fuels, 2017, 31, 13724-13732.	2.5	23
62	In situ StÃ¶ber templating: facile synthesis of hollow mesoporous carbon spheres from silicaâ€“polymer composites for ultra-high level in-cavity adsorption. Journal of Materials Chemistry A, 2016, 4, 9063-9071.	5.2	73
63	Silica Nanopollens Enhance Adhesion for Long-Term Bacterial Inhibition. Journal of the American Chemical Society, 2016, 138, 6455-6462.	6.6	219
64	Mesoporous Magnesium Oxide Hollow Spheres as Superior Arsenite Adsorbent: Synthesis and Adsorption Behavior. ACS Applied Materials & Interfaces, 2016, 8, 25306-25312.	4.0	69
65	Encapsulation of selenium sulfide in double-layered hollow carbon spheres as advanced electrode material for lithium storage. Nano Research, 2016, 9, 3725-3734.	5.8	45
66	Hollow mesoporous carbon nanocarriers for vancomycin delivery: understanding the structureâ€“release relationship for prolonged antibacterial performance. Journal of Materials Chemistry B, 2016, 4, 7014-7021.	2.9	30
67	A Vesicle Supraâ€Assembly Approach to Synthesize Amineâ€Functionalized Hollow Dendritic Mesoporous Silica Nanospheres for Protein Delivery. Small, 2016, 12, 5169-5177.	5.2	72
68	Anion Assisted Synthesis of Large Pore Hollow Dendritic Mesoporous Organosilica Nanoparticles: Understanding the Composition Gradient. Chemistry of Materials, 2016, 28, 704-707.	3.2	199
69	From Helixes to Mesostructures: Evolution of Mesoporous Silica Shells on Single-Walled Carbon Nanotubes. Chemistry of Materials, 2016, 28, 936-942.	3.2	17
70	Small-sized and large-pore dendritic mesoporous silica nanoparticles enhance antimicrobial enzyme delivery. Journal of Materials Chemistry B, 2016, 4, 2646-2653.	2.9	87
71	Monodispersed colloidal zinc oxide nanospheres with various size scales: synthesis, formation mechanism, and enhanced photocatalytic activity. Journal of Materials Science, 2016, 51, 5445-5459.	1.7	19
72	Coreâ€Cone Structured Monodispersed Mesoporous Silica Nanoparticles with Ultraâ€large Cavity for Protein Delivery. Small, 2015, 11, 5949-5955.	5.2	140

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73	Preparation of fluorescent mesoporous hollow silicaâ€“fullerene nanoparticles via selective etching for combined chemotherapy and photodynamic therapy. Nanoscale, 2015, 7, 11894-11898.	2.8	25
74	New Insight into Ordered Cage-Type Mesostructures and Their Pore Size Determination by Electron Tomography. Langmuir, 2015, 31, 2545-2553.	1.6	6
75	Self-Organized Mesostructured Hollow Carbon Nanoparticles via a Surfactant-Free Sequential Heterogeneous Nucleation Pathway. Chemistry of Materials, 2015, 27, 6297-6304.	3.2	99
76	Hierarchical SAPO-11 preparation in the presence of glucose. Materials Letters, 2015, 154, 116-119.	1.3	25
77	Synthesis of meso-SAPO-11 and its enhancement of isomerization in fluid catalytic cracking process. Applied Petrochemical Research, 2014, 4, 389-394.	1.3	2
78	Preparation of hierarchical SAPO-11 molecular sieve and its application for n-dodecane isomerization. Applied Petrochemical Research, 2014, 4, 401-407.	1.3	9
79	Synthesis of hierarchical SAPO-11 for hydroisomerization reaction in refinery processes. Applied Petrochemical Research, 2014, 4, 351-358.	1.3	15
80	Fabrication of ordered mesoporous carbon hollow fiber membranes via a confined soft templating approach. Journal of Materials Chemistry A, 2014, 2, 4144-4149.	5.2	22
81	The fabrication of porous N-doped carbon from widely available urea formaldehyde resin for carbon dioxide adsorption. Journal of Colloid and Interface Science, 2014, 416, 124-132.	5.0	95
82	Hierarchical Meso-Microporous SAPO-11 Synthesis from Acid Assistant Dealuminzation: Effect of Acid Strength. Applied Mechanics and Materials, 0, 313-314, 219-222.	0.2	3