Jing Tang

List of Publications by Year in Descending Order

114 papers	11,353 citations	54 h-index	106 g-index
130 ext. papers	12,868 ext. citations	11.5 avg, IF	6.53 L-index

#	Paper	IF	Citations
114	Defect self-assembly of metal-organic framework triggers ferroptosis to overcome resistance.. *Bioactive Materials*, **2023**, 19, 1-11	16.7	8
113	Baicalein-A Potent Pro-Homeostatic Regulator of Microglia in Retinal Ischemic Injury.. *Frontiers in Immunology*, **2022**, 13, 837497	8.4	1
112	Single-atom iron catalysts for biomedical applications. *Progress in Materials Science*, **2022**, 128, 100959	42.2	1
111	A tissue-like neurotransmitter sensor for the brain and gut. *Nature*, **2022**, 606, 94-101	50.4	17
110	Simvastatin induced ferroptosis for triple-negative breast cancer therapy. *Journal of Nanobiotechnology*, **2021**, 19, 311	9.4	11
109	Integrated cooling (i-Cool) textile of heat conduction and sweat transportation for personal perspiration management. *Nature Communications*, **2021**, 12, 6122	17.4	17
108	Four Novel Lanthanide(III) Metal□Organic Frameworks: Tunable Light Emission and Multiresponsive Luminescence Sensors for Vitamin B6 and Pesticides. *Crystal Growth and Design*, **2021**, 21, 2889-2897	3.5	8
107	A novel copper(I) metal□organic framework as a highly efficient and ultrasensitive electrochemical platform for detection of Hg(II) ions in aqueous solution. *CrystEngComm*, **2021**, 23, 3043-3051	3.3	2
106	Engineered Dissolution for Better Electrocatalysts. *CheM*, **2021**, 7, 20-22	16.2	
105	A water-stable zinc(II)□organic framework as an □n□ff□n□ fluorescent sensor for detection of Fe3+ and reduced glutathione. *CrystEngComm*, **2021**, 23, 1243-1250	3.3	4
104	Improving hindlimb locomotor function by Non-invasive AAV-mediated manipulations of propriospinal neurons in mice with complete spinal cord injury. *Nature Communications*, **2021**, 12, 781	17.4	13
103	Origin of enhanced water oxidation activity in an iridium single atom anchored on NiFe oxyhydroxide catalyst. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	21
102	□Highway□Toward Efficient Water Oxidation. *Matter*, **2021**, 4, 21-22	12.7	2
101	Dihydroartemisinin-Loaded Magnetic Nanoparticles for Enhanced Chemodynamic Therapy. *Frontiers in Pharmacology*, **2020**, 11, 226	5.6	20
100	The Synthesis of Hollow/Porous CuO Nanoparticles by Ion-Pairing Behavior Control. *ACS Omega*, **2020**, 5, 1879-1886	3.9	4
99	Highly fluorescent copper nanoclusters for sensing and bioimaging. *Biosensors and Bioelectronics*, **2020**, 154, 112078	11.8	53
98	Single-atom catalysts boost nitrogen electroreduction reaction. *Materials Today*, **2020**, 38, 99-113	21.8	30

97	A turn-on luminescent probe for Fe3+ and ascorbic acid with logic gate operation based on a zinc(II)-based metal□rganic framework. *New Journal of Chemistry*, **2020**, 44, 8728-8735	3.6	12
96	Revealing Molecular Mechanisms in Hierarchical Nanoporous Carbon via Nuclear Magnetic Resonance. *Matter*, **2020**, 3, 2093-2107	12.7	11
95	Recent advances in metal-organic frameworks for pesticide detection and adsorption. *Dalton Transactions*, **2020**, 49, 14361-14372	4.3	27
94	Three-Dimensional Hierarchical Porous Nanotubes Derived from Metal-Organic Frameworks for Highly Efficient Overall Water Splitting. *IScience*, **2020**, 23, 100761	6.1	19
93	The role of commensal microflora-induced T cell responses in glaucoma neurodegeneration. *Progress in Brain Research*, **2020**, 256, 79-97	2.9	9
92	Designing hierarchical nanoporous membranes for highly efficient gas adsorption and storage. *Science Advances*, **2020**, 6,	14.3	21
91	Anion Etching for Accessing Rapid and Deep Self-Reconstruction of Precatalysts for Water Oxidation. *Matter*, **2020**, 3, 2124-2137	12.7	86
90	Biomimetic Mesoporous Silica Nanoparticles for Enhanced Blood Circulation and Cancer Therapy.. *ACS Applied Bio Materials*, **2020**, 3, 7849-7857	4.1	10
89	A Non-volatile View of Site-Specific Adsorption and Dynamics of VOCs and CO2. *Matter*, **2020**, 3, 1823-1824	12.7	
88	One-dimensional CoS-MoS nano-flakes decorated MoO sub-micro-wires for synergistically enhanced hydrogen evolution. *Nanoscale*, **2019**, 11, 3500-3505	7.7	23
87	Remediation of heavy metal contaminated soil by asymmetrical alternating current electrochemistry. *Nature Communications*, **2019**, 10, 2440	17.4	85
86	Direct/Alternating Current Electrochemical Method for Removing and Recovering Heavy Metal from Water Using Graphene Oxide Electrode. *ACS Nano*, **2019**, 13, 6431-6437	16.7	103
85	Self-Supported ZIF-Derived Co O Nanoparticles-Decorated Porous N-Doped Carbon Fibers as Oxygen Reduction Catalyst. *Chemistry - A European Journal*, **2019**, 25, 6807-6813	4.8	19
84	Two novel metal-organic frameworks based on pyridyl-imidazole-carboxyl multifunctional ligand: selective CO capture and multiresponsive luminescence sensor. *Dalton Transactions*, **2019**, 48, 10892-10900	4.3	50
83	Surface-engineered mesoporous silicon microparticles as high-Coulombic-efficiency anodes for lithium-ion batteries. *Nano Energy*, **2019**, 61, 404-410	17.1	88
82	MOF nanoleaves as new sacrificial templates for the fabrication of nanoporous Co□Nx/C electrocatalysts for oxygen reduction. *Nanoscale Horizons*, **2019**, 4, 1006-1013	10.8	78
81	Nanoarchitectonics for Transition-Metal-Sulfide-Based Electrocatalysts for Water Splitting. *Advanced Materials*, **2019**, 31, e1807134	24	613
80	Nanowire arrays restore vision in blind mice. *Nature Communications*, **2018**, 9, 786	17.4	58

79	Elaborately assembled core-shell structured metal sulfides as a bifunctional catalyst for highly efficient electrochemical overall water splitting. *Nano Energy*, **2018**, 47, 494-502	17.1	302
78	Self-Template-Directed Metal-Organic Frameworks Network and the Derived Honeycomb-Like Carbon Flakes via Confinement Pyrolysis. *Small*, **2018**, 14, e1704461	11	31
77	Nuclear-Targeted Multifunctional Magnetic Nanoparticles for Photothermal Therapy. *Advanced Healthcare Materials*, **2017**, 6, 1601289	10.1	82
76	Implantable and Biodegradable Macroporous Iron Oxide Frameworks for Efficient Regeneration and Repair of Infracted Heart. *Theranostics*, **2017**, 7, 1966-1975	12.1	15
75	Nitrogen-doped hollow carbon spheres with large mesoporous shells engineered from diblock copolymer micelles. *Chemical Communications*, **2016**, 52, 505-8	5.8	76
74	Hollow carbon nanospheres using an asymmetric triblock copolymer structure directing agent. *Chemical Communications*, **2016**, 53, 236-239	5.8	33
73	Interface miscibility induced double-capillary carbon nanofibers for flexible electric double layer capacitors. *Nano Energy*, **2016**, 28, 232-240	17.1	54
72	Zeolitic imidazolate framework (ZIF-8) derived nanoporous carbon: the effect of carbonization temperature on the supercapacitor performance in an aqueous electrolyte. *Physical Chemistry Chemical Physics*, **2016**, 18, 29308-29315	3.6	177
71	Interlaced NiS2□MoS2 nanoflake-nanowires as efficient hydrogen evolution electrocatalysts in basic solutions. *Journal of Materials Chemistry A*, **2016**, 4, 13439-13443	13	188
70	Tunable-Sized Polymeric Micelles and Their Assembly for the Preparation of Large Mesoporous Platinum Nanoparticles. *Angewandte Chemie*, **2016**, 128, 10191-10195	3.6	11
69	Tunable-Sized Polymeric Micelles and Their Assembly for the Preparation of Large Mesoporous Platinum Nanoparticles. *Angewandte Chemie - International Edition*, **2016**, 55, 10037-41	16.4	101
68	Highly active nonprecious metal hydrogen evolution electrocatalyst: ultrafine molybdenum carbide nanoparticles embedded into a 3D nitrogen-implanted carbon matrix. *NPG Asia Materials*, **2016**, 8, e293-e293	10.3	89
67	Ultrahigh performance supercapacitors utilizing core-shell nanoarchitectures from a metal-organic framework-derived nanoporous carbon and a conducting polymer. *Chemical Science*, **2016**, 7, 5704-5713	9.4	201
66	Carbon materials: MOF morphologies in control. *Nature Chemistry*, **2016**, 8, 638-9	17.6	375
65	A Synergistic System for Lithium□Oxygen Batteries in Humid Atmosphere Integrating a Composite Cathode and a Hydrophobic Ionic Liquid-Based Electrolyte. *Advanced Functional Materials*, **2016**, 26, 3291-3298	15.6	62
64	Cage-Type Highly Graphitic Porous Carbon-Co3O4 Polyhedron as the Cathode of Lithium-Oxygen Batteries. *ACS Applied Materials & Interfaces*, **2016**, 8, 2796-804	9.5	89
63	Three-dimensional WS2 nanosheet networks for H2O2 produced for cell signaling. *Nanoscale*, **2016**, 8, 5786-92	7.7	18
62	Hierarchical Porous Nickel Cobaltate Nanoneedle Arrays as Flexible Carbon-Protected Cathodes for High-Performance Lithium-Oxygen Batteries. *ACS Applied Materials & Interfaces*, **2016**, 8, 8427-35	9.5	69

61	Incorporation of well-dispersed sub-5-nm graphitic pencil nanodots into ordered mesoporous frameworks. *Nature Chemistry*, **2016**, 8, 171-8	17.6	128
60	A Highly Energetic N-Rich Metal-Organic Framework as a New High-Energy-Density Material. *Chemistry - A European Journal*, **2016**, 22, 1141-5	4.8	47
59	High-Loading Nano-SnO2 Encapsulated in situ in Three-Dimensional Rigid Porous Carbon for Superior Lithium-Ion Batteries. *Chemistry - A European Journal*, **2016**, 22, 4915-23	4.8	98
58	Direct Superassemblies of Freestanding Metal-Carbon Frameworks Featuring Reversible Crystalline-Phase Transformation for Electrochemical Sodium Storage. *Journal of the American Chemical Society*, **2016**, 138, 16533-16541	16.4	97
57	Strategic synthesis of mesoporous Pt-on-Pd bimetallic spheres templated from a polymeric micelle assembly. *Journal of Materials Chemistry A*, **2016**, 4, 9169-9176	13	25
56	Photoelectrochemical Conversion from Graphitic C3N4 Quantum Dot Decorated Semiconductor Nanowires. *ACS Applied Materials & Interfaces*, **2016**, 8, 12772-9	9.5	84
55	A nickel cobaltate nanoparticle-decorated hierarchical porous N-doped carbon nanofiber film as a binder-free self-supported cathode for nonaqueous Li□2 batteries. *Journal of Materials Chemistry A*, **2016**, 4, 9106-9112	13	66
54	Thermal conversion of core-shell metal-organic frameworks: a new method for selectively functionalized nanoporous hybrid carbon. *Journal of the American Chemical Society*, **2015**, 137, 1572-80	16.4	1085
53	Branched artificial nanofinger arrays by mesoporous interfacial atomic rearrangement. *Journal of the American Chemical Society*, **2015**, 137, 4260-6	16.4	29
52	Plasmon-enhanced photoelectrochemical monitoring of Ca2+ from living cardiomyocytes. *Journal of Electroanalytical Chemistry*, **2015**, 759, 14-20	4.1	5
51	Mesoporous Fe2O3-CdS Heterostructures for Real-Time Photoelectrochemical Dynamic Probing of Cu(2+). *Analytical Chemistry*, **2015**, 87, 6703-8	7.8	54
50	Sub-5 nm porous nanocrystals: interfacial site-directed growth on graphene for efficient biocatalysis. *Chemical Science*, **2015**, 6, 4029-4034	9.4	18
49	Asymmetric Supercapacitors Using 3D Nanoporous Carbon and Cobalt Oxide Electrodes Synthesized from a Single Metal-Organic Framework. *ACS Nano*, **2015**, 9, 6288-96	16.7	785
48	Nanoparticle Superlattices as Efficient Bifunctional Electrocatalysts for Water Splitting. *Journal of the American Chemical Society*, **2015**, 137, 14305-12	16.4	328
47	Three-Dimensional Nitrogen-Doped Hierarchical Porous Carbon as an Electrode for High-Performance Supercapacitors. *Chemistry - A European Journal*, **2015**, 21, 17293-8	4.8	56
46	Interfacial assembly of mesoporous nanopyramids as ultrasensitive cellular interfaces featuring efficient direct electrochemistry. *NPG Asia Materials*, **2015**, 7, e204-e204	10.3	12
45	Freestanding 3D graphene/cobalt sulfide composites for supercapacitors and hydrogen evolution reaction. *RSC Advances*, **2015**, 5, 6886-6891	3.7	43
44	Direct growth of mesoporous carbon-coated Ni nanoparticles on carbon fibers for flexible supercapacitors. *Journal of Materials Chemistry A*, **2015**, 3, 2876-2882	13	25

43	Synthesis of nitrogen-doped mesoporous carbon spheres with extra-large pores through assembly of diblock copolymer micelles. *Angewandte Chemie - International Edition*, **2015**, 54, 588-93	16.4	185
42	Mesoporous Spheres: Multimetallic Mesoporous Spheres Through Surfactant-Directed Synthesis (Adv. Sci. 8/2015). *Advanced Science*, **2015**, 2,	13.6	1
41	Synthesis of Nitrogen-Doped Mesoporous Carbon Spheres with Extra-Large Pores through Assembly of Diblock Copolymer Micelles. *Angewandte Chemie*, **2015**, 127, 598-603	3.6	94
40	Solar-Energy-Driven Photoelectrochemical Biosensing Using TiO2 Nanowires. *Chemistry - A European Journal*, **2015**, 21, 11288-99	4.8	36
39	Polymeric Micelle Assembly for the Smart Synthesis of Mesoporous Platinum Nanospheres with Tunable Pore Sizes. *Angewandte Chemie*, **2015**, 127, 11225-11229	3.6	25
38	Growth of Single-Layered Two-Dimensional Mesoporous Polymer/Carbon Films by Self-Assembly of Monomicelles at the Interfaces of Various Substrates. *Angewandte Chemie*, **2015**, 127, 8545-8549	3.6	14
37	Growth of Single-Layered Two-Dimensional Mesoporous Polymer/Carbon Films by Self-Assembly of Monomicelles at the Interfaces of Various Substrates. *Angewandte Chemie - International Edition*, **2015**, 54, 8425-9	16.4	37
36	Polymeric micelle assembly for the smart synthesis of mesoporous platinum nanospheres with tunable pore sizes. *Angewandte Chemie - International Edition*, **2015**, 54, 11073-7	16.4	149
35	R□ktitelbild: Growth of Single-Layered Two-Dimensional Mesoporous Polymer/Carbon Films by Self-Assembly of Monomicelles at the Interfaces of Various Substrates (Angew. Chem. 29/2015). *Angewandte Chemie*, **2015**, 127, 8686-8686	3.6	
34	R□ktitelbild: Polymeric Micelle Assembly for the Smart Synthesis of Mesoporous Platinum Nanospheres with Tunable Pore Sizes (Angew. Chem. 38/2015). *Angewandte Chemie*, **2015**, 127, 11444-11444	3.6	
33	Ordered Hexagonal Mesoporous Aluminosilicates and their Application in Ligand-Free Synthesis of Secondary Amines. *ChemCatChem*, **2015**, 7, 747-751	5.2	11
32	A flexible ligand-based wavy layered metal-organic framework for lithium-ion storage. *Journal of Colloid and Interface Science*, **2015**, 445, 320-325	9.3	83
31	Ultralight mesoporous magnetic frameworks by interfacial assembly of Prussian blue nanocubes. *Angewandte Chemie - International Edition*, **2014**, 53, 2888-92	16.4	73
30	Surface plasmon resonance enhanced real-time photoelectrochemical protein sensing by gold nanoparticle-decorated TiO□nanowires. *Analytical Chemistry*, **2014**, 86, 6633-9	7.8	83
29	Sensitive enzymatic glucose detection by TiO2 nanowire photoelectrochemical biosensors. *Journal of Materials Chemistry A*, **2014**, 2, 6153-6157	13	119
28	Aqueous Li-ion cells with superior cycling performance using multi-channeled polyaniline/Fe2O3 nanotube anodes. *Journal of Materials Chemistry A*, **2014**, 2, 20177-20181	13	10
27	Reversible chemical tuning of charge carriers for enhanced photoelectrochemical conversion and probing of living cells. *Small*, **2014**, 10, 4967-74	11	15
26	Mesoporous carbon coated molybdenum oxide nanobelts for improved lithium ion storage. *RSC Advances*, **2014**, 4, 29586-29590	3.7	10

25	CoNiO2/TiNTiOxNy composites for ultrahigh electrochemical energy storage and simultaneous glucose sensing. *Journal of Materials Chemistry A*, **2014**, 2, 10904	13	17
24	Solar-driven photoelectrochemical probing of nanodot/nanowire/cell interface. *Nano Letters*, **2014**, 14, 2702-8	11.5	123
23	Artificial metabolism-inspired photoelectrochemical probing of biomolecules and cells. *Journal of Materials Chemistry A*, **2014**, 2, 15752-15757	13	9
22	Reduced Mesoporous Co3O4 Nanowires as Efficient Water Oxidation Electrocatalysts and Supercapacitor Electrodes. *Advanced Energy Materials*, **2014**, 4, 1400696	21.8	650
21	Tailored design of functional nanoporous carbon materials toward fuel cell applications. *Nano Today*, **2014**, 9, 305-323	17.9	230
20	Fully solar-powered photoelectrochemical conversion for simultaneous energy storage and chemical sensing. *Nano Letters*, **2014**, 14, 3668-73	11.5	52
19	Oriented mesoporous nanopyramids as versatile plasmon-enhanced interfaces. *Journal of the American Chemical Society*, **2014**, 136, 6822-5	16.4	58
18	Ultralight Mesoporous Magnetic Frameworks by Interfacial Assembly of Prussian Blue Nanocubes. *Angewandte Chemie*, **2014**, 126, 2932-2936	3.6	1
17	Towards vaporized molecular discrimination: a quartz crystal microbalance (QCM) sensor system using cobalt-containing mesoporous graphitic carbon. *Chemistry - an Asian Journal*, **2014**, 9, 3238-44	4.5	32
16	Bio-inspired porous antenna-like nanocube/nanowire heterostructure as ultra-sensitive cellular interfaces. *NPG Asia Materials*, **2014**, 6, e117-e117	10.3	30
15	Photoelectrochemical detection of glutathione by IrO2-hemin-TiO2 nanowire arrays. *Nano Letters*, **2013**, 13, 5350-4	11.5	183
14	Carbon nanodots featuring efficient FRET for real-time monitoring of drug delivery and two-photon imaging. *Advanced Materials*, **2013**, 25, 6569-74	24	429
13	Simultaneous etching and doping of TiO2 nanowire arrays for enhanced photoelectrochemical performance. *ACS Nano*, **2013**, 7, 9375-83	16.7	140
12	MnO nanoparticle@mesoporous carbon composites grown on conducting substrates featuring high-performance lithium-ion battery, supercapacitor and sensor. *Scientific Reports*, **2013**, 3, 2693	4.9	102
11	Hollow-core magnetic colloidal nanocrystal clusters with ligand-exchanged surface modification as delivery vehicles for targeted and stimuli-responsive drug release. *Chemistry - A European Journal*, **2012**, 18, 16517-24	4.8	22
10	Magnetic drug carrier with a smart pH-responsive polymer network shell for controlled delivery of doxorubicin. *Journal of Materials Chemistry*, **2012**, 22, 15206		61
9	Doxorubicin-conjugated mesoporous magnetic colloidal nanocrystal clusters stabilized by polysaccharide as a smart anticancer drug vehicle. *Small*, **2012**, 8, 2690-7	11	58
8	One-step bulk preparation of calcium carbonate nanotubes and its application in anticancer drug delivery. *Biological Trace Element Research*, **2012**, 147, 408-17	4.5	4

7	An organometallic synthesis of TiO2 nanoparticles. *Nano Letters*, **2005**, 5, 543-8	11.5	130
6	Composite mesostructures by nano-confinement. *Nature Materials*, **2004**, 3, 816-22	27	599
5	Solid-Solution Nanoparticles: Use of a Nonhydrolytic Sol□Gel Synthesis To Prepare HfO2 and HfxZr1-xO2 Nanocrystals. *Chemistry of Materials*, **2004**, 16, 1336-1342	9.6	128
4	Templated Synthesis of Highly Ordered Mesostructured Nanowires and Nanowire Arrays. *Nano Letters*, **2004**, 4, 2337-2342	11.5	190
3	Enhanced Mesostructural Order and Changes to Optical and Electrochemical Properties Induced by the Addition of Cerium(III) to Mesoporous Titania Thin Films. *Chemistry of Materials*, **2004**, 16, 3524-3532	9.6	51
2	Magnetite Fe3O4 Nanocrystals: Spectroscopic Observation of Aqueous Oxidation Kinetics□ *Journal of Physical Chemistry B*, **2003**, 107, 7501-7506	3.4	299
1	Gas□liquid□Solid Phase Transition Model for Two-Dimensional Nanocrystal Self-Assembly on Graphite. *Journal of Physical Chemistry B*, **2002**, 106, 5653-5658	3.4	83