

Jing Tang

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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	Thermal conversion of core-shell metal-organic frameworks: a new method for selectively functionalized nanoporous hybrid carbon. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1572-80	16.4	1085
113	Asymmetric Supercapacitors Using 3D Nanoporous Carbon and Cobalt Oxide Electrodes Synthesized from a Single Metal-Organic Framework. <i>ACS Nano</i> , 2015 , 9, 6288-96	16.7	785
112	Reduced Mesoporous Co ₃ O ₄ Nanowires as Efficient Water Oxidation Electrocatalysts and Supercapacitor Electrodes. <i>Advanced Energy Materials</i> , 2014 , 4, 1400696	21.8	650
111	Nanoarchitectonics for Transition-Metal-Sulfide-Based Electrocatalysts for Water Splitting. <i>Advanced Materials</i> , 2019 , 31, e1807134	24	613
110	Composite mesostructures by nano-confinement. <i>Nature Materials</i> , 2004 , 3, 816-22	27	599
109	Carbon nanodots featuring efficient FRET for real-time monitoring of drug delivery and two-photon imaging. <i>Advanced Materials</i> , 2013 , 25, 6569-74	24	429
108	Carbon materials: MOF morphologies in control. <i>Nature Chemistry</i> , 2016 , 8, 638-9	17.6	375
107	Nanoparticle Superlattices as Efficient Bifunctional Electrocatalysts for Water Splitting. <i>Journal of the American Chemical Society</i> , 2015 , 137, 14305-12	16.4	328
106	Elaborately assembled core-shell structured metal sulfides as a bifunctional catalyst for highly efficient electrochemical overall water splitting. <i>Nano Energy</i> , 2018 , 47, 494-502	17.1	302
105	Magnetite Fe ₃ O ₄ Nanocrystals: Spectroscopic Observation of Aqueous Oxidation Kinetics. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 7501-7506	3.4	299
104	Tailored design of functional nanoporous carbon materials toward fuel cell applications. <i>Nano Today</i> , 2014 , 9, 305-323	17.9	230
103	Ultrahigh performance supercapacitors utilizing core-shell nanoarchitectures from a metal-organic framework-derived nanoporous carbon and a conducting polymer. <i>Chemical Science</i> , 2016 , 7, 5704-5713	9.4	201
102	Templated Synthesis of Highly Ordered Mesostructured Nanowires and Nanowire Arrays. <i>Nano Letters</i> , 2004 , 4, 2337-2342	11.5	190
101	Interlaced NiS ₂ /MoS ₂ nanoflake-nanowires as efficient hydrogen evolution electrocatalysts in basic solutions. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 13439-13443	13	188
100	Synthesis of nitrogen-doped mesoporous carbon spheres with extra-large pores through assembly of diblock copolymer micelles. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 588-93	16.4	185
99	Photoelectrochemical detection of glutathione by IrO ₂ -hemin-TiO ₂ nanowire arrays. <i>Nano Letters</i> , 2013 , 13, 5350-4	11.5	183
98	Zeolitic imidazolate framework (ZIF-8) derived nanoporous carbon: the effect of carbonization temperature on the supercapacitor performance in an aqueous electrolyte. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 29308-29315	3.6	177

97	Polymeric micelle assembly for the smart synthesis of mesoporous platinum nanospheres with tunable pore sizes. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11073-7	16.4	149
96	Simultaneous etching and doping of TiO ₂ nanowire arrays for enhanced photoelectrochemical performance. <i>ACS Nano</i> , 2013 , 7, 9375-83	16.7	140
95	An organometallic synthesis of TiO ₂ nanoparticles. <i>Nano Letters</i> , 2005 , 5, 543-8	11.5	130
94	Incorporation of well-dispersed sub-5-nm graphitic pencil nanodots into ordered mesoporous frameworks. <i>Nature Chemistry</i> , 2016 , 8, 171-8	17.6	128
93	Solid-Solution Nanoparticles: Use of a Nonhydrolytic Sol-Gel Synthesis To Prepare HfO ₂ and Hf _x Zr _{1-x} O ₂ Nanocrystals. <i>Chemistry of Materials</i> , 2004 , 16, 1336-1342	9.6	128
92	Solar-driven photoelectrochemical probing of nanodot/nanowire/cell interface. <i>Nano Letters</i> , 2014 , 14, 2702-8	11.5	123
91	Sensitive enzymatic glucose detection by TiO ₂ nanowire photoelectrochemical biosensors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 6153-6157	13	119
90	Direct/Alternating Current Electrochemical Method for Removing and Recovering Heavy Metal from Water Using Graphene Oxide Electrode. <i>ACS Nano</i> , 2019 , 13, 6431-6437	16.7	103
89	MnO nanoparticle@mesoporous carbon composites grown on conducting substrates featuring high-performance lithium-ion battery, supercapacitor and sensor. <i>Scientific Reports</i> , 2013 , 3, 2693	4.9	102
88	Tunable-Sized Polymeric Micelles and Their Assembly for the Preparation of Large Mesoporous Platinum Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10037-41	16.4	101
87	High-Loading Nano-SnO ₂ Encapsulated in situ in Three-Dimensional Rigid Porous Carbon for Superior Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2016 , 22, 4915-23	4.8	98
86	Direct Superassemblies of Freestanding Metal-Carbon Frameworks Featuring Reversible Crystalline-Phase Transformation for Electrochemical Sodium Storage. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16533-16541	16.4	97
85	Synthesis of Nitrogen-Doped Mesoporous Carbon Spheres with Extra-Large Pores through Assembly of Diblock Copolymer Micelles. <i>Angewandte Chemie</i> , 2015 , 127, 598-603	3.6	94
84	Highly active nonprecious metal hydrogen evolution electrocatalyst: ultrafine molybdenum carbide nanoparticles embedded into a 3D nitrogen-implanted carbon matrix. <i>NPG Asia Materials</i> , 2016 , 8, e293-e293	19.3	89
83	Cage-Type Highly Graphitic Porous Carbon-Co ₃ O ₄ Polyhedron as the Cathode of Lithium-Oxygen Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 2796-804	9.5	89
82	Surface-engineered mesoporous silicon microparticles as high-Coulombic-efficiency anodes for lithium-ion batteries. <i>Nano Energy</i> , 2019 , 61, 404-410	17.1	88
81	Anion Etching for Accessing Rapid and Deep Self-Reconstruction of Precatalysts for Water Oxidation. <i>Matter</i> , 2020 , 3, 2124-2137	12.7	86
80	Remediation of heavy metal contaminated soil by asymmetrical alternating current electrochemistry. <i>Nature Communications</i> , 2019 , 10, 2440	17.4	85

79	Photoelectrochemical Conversion from Graphitic C ₃ N ₄ Quantum Dot Decorated Semiconductor Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 12772-9	9.5	84
78	Surface plasmon resonance enhanced real-time photoelectrochemical protein sensing by gold nanoparticle-decorated TiO ₂ nanowires. <i>Analytical Chemistry</i> , 2014 , 86, 6633-9	7.8	83
77	A flexible ligand-based wavy layered metal-organic framework for lithium-ion storage. <i>Journal of Colloid and Interface Science</i> , 2015 , 445, 320-325	9.3	83
76	Gas-Liquid-Solid Phase Transition Model for Two-Dimensional Nanocrystal Self-Assembly on Graphite. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 5653-5658	3.4	83
75	Nuclear-Targeted Multifunctional Magnetic Nanoparticles for Photothermal Therapy. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1601289	10.1	82
74	MOF nanoleaves as new sacrificial templates for the fabrication of nanoporous Co ₃ O ₄ /C electrocatalysts for oxygen reduction. <i>Nanoscale Horizons</i> , 2019 , 4, 1006-1013	10.8	78
73	Nitrogen-doped hollow carbon spheres with large mesoporous shells engineered from diblock copolymer micelles. <i>Chemical Communications</i> , 2016 , 52, 505-8	5.8	76
72	Ultralight mesoporous magnetic frameworks by interfacial assembly of Prussian blue nanocubes. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2888-92	16.4	73
71	Hierarchical Porous Nickel Cobaltate Nanoneedle Arrays as Flexible Carbon-Protected Cathodes for High-Performance Lithium-Oxygen Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 8427-35	9.5	69
70	A nickel cobaltate nanoparticle-decorated hierarchical porous N-doped carbon nanofiber film as a binder-free self-supported cathode for nonaqueous Li ₂ O ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9106-9112	13	66
69	A Synergistic System for Lithium-Oxygen Batteries in Humid Atmosphere Integrating a Composite Cathode and a Hydrophobic Ionic Liquid-Based Electrolyte. <i>Advanced Functional Materials</i> , 2016 , 26, 3291-3298	15.6	62
68	Magnetic drug carrier with a smart pH-responsive polymer network shell for controlled delivery of doxorubicin. <i>Journal of Materials Chemistry</i> , 2012 , 22, 15206		61
67	Nanowire arrays restore vision in blind mice. <i>Nature Communications</i> , 2018 , 9, 786	17.4	58
66	Oriented mesoporous nanopyramids as versatile plasmon-enhanced interfaces. <i>Journal of the American Chemical Society</i> , 2014 , 136, 6822-5	16.4	58
65	Doxorubicin-conjugated mesoporous magnetic colloidal nanocrystal clusters stabilized by polysaccharide as a smart anticancer drug vehicle. <i>Small</i> , 2012 , 8, 2690-7	11	58
64	Three-Dimensional Nitrogen-Doped Hierarchical Porous Carbon as an Electrode for High-Performance Supercapacitors. <i>Chemistry - A European Journal</i> , 2015 , 21, 17293-8	4.8	56
63	Mesoporous Fe ₂ O ₃ -CdS Heterostructures for Real-Time Photoelectrochemical Dynamic Probing of Cu(2+). <i>Analytical Chemistry</i> , 2015 , 87, 6703-8	7.8	54
62	Interface miscibility induced double-capillary carbon nanofibers for flexible electric double layer capacitors. <i>Nano Energy</i> , 2016 , 28, 232-240	17.1	54

61	Highly fluorescent copper nanoclusters for sensing and bioimaging. <i>Biosensors and Bioelectronics</i> , 2020 , 154, 112078	11.8	53
60	Fully solar-powered photoelectrochemical conversion for simultaneous energy storage and chemical sensing. <i>Nano Letters</i> , 2014 , 14, 3668-73	11.5	52
59	Enhanced Mesostructural Order and Changes to Optical and Electrochemical Properties Induced by the Addition of Cerium(III) to Mesoporous Titania Thin Films. <i>Chemistry of Materials</i> , 2004 , 16, 3524-3532	9.6	51
58	Two novel metal-organic frameworks based on pyridyl-imidazole-carboxyl multifunctional ligand: selective CO capture and multiresponsive luminescence sensor. <i>Dalton Transactions</i> , 2019 , 48, 10892-10900	4.3	50
57	A Highly Energetic N-Rich Metal-Organic Framework as a New High-Energy-Density Material. <i>Chemistry - A European Journal</i> , 2016 , 22, 1141-5	4.8	47
56	Freestanding 3D graphene/cobalt sulfide composites for supercapacitors and hydrogen evolution reaction. <i>RSC Advances</i> , 2015 , 5, 6886-6891	3.7	43
55	Growth of Single-Layered Two-Dimensional Mesoporous Polymer/Carbon Films by Self-Assembly of Monomicelles at the Interfaces of Various Substrates. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 8425-9	16.4	37
54	Solar-Energy-Driven Photoelectrochemical Biosensing Using TiO ₂ Nanowires. <i>Chemistry - A European Journal</i> , 2015 , 21, 11288-99	4.8	36
53	Hollow carbon nanospheres using an asymmetric triblock copolymer structure directing agent. <i>Chemical Communications</i> , 2016 , 53, 236-239	5.8	33
52	Towards vaporized molecular discrimination: a quartz crystal microbalance (QCM) sensor system using cobalt-containing mesoporous graphitic carbon. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 3238-44	4.5	32
51	Self-Template-Directed Metal-Organic Frameworks Network and the Derived Honeycomb-Like Carbon Flakes via Confinement Pyrolysis. <i>Small</i> , 2018 , 14, e1704461	11	31
50	Single-atom catalysts boost nitrogen electroreduction reaction. <i>Materials Today</i> , 2020 , 38, 99-113	21.8	30
49	Bio-inspired porous antenna-like nanocube/nanowire heterostructure as ultra-sensitive cellular interfaces. <i>NPG Asia Materials</i> , 2014 , 6, e117-e117	10.3	30
48	Branched artificial nanofinger arrays by mesoporous interfacial atomic rearrangement. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4260-6	16.4	29
47	Recent advances in metal-organic frameworks for pesticide detection and adsorption. <i>Dalton Transactions</i> , 2020 , 49, 14361-14372	4.3	27
46	Direct growth of mesoporous carbon-coated Ni nanoparticles on carbon fibers for flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2876-2882	13	25
45	Polymeric Micelle Assembly for the Smart Synthesis of Mesoporous Platinum Nanospheres with Tunable Pore Sizes. <i>Angewandte Chemie</i> , 2015 , 127, 11225-11229	3.6	25
44	Strategic synthesis of mesoporous Pt-on-Pd bimetallic spheres templated from a polymeric micelle assembly. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9169-9176	13	25

43	One-dimensional CoS-MoS nano-flakes decorated MoO sub-micro-wires for synergistically enhanced hydrogen evolution. <i>Nanoscale</i> , 2019 , 11, 3500-3505	7.7	23
42	Hollow-core magnetic colloidal nanocrystal clusters with ligand-exchanged surface modification as delivery vehicles for targeted and stimuli-responsive drug release. <i>Chemistry - A European Journal</i> , 2012 , 18, 16517-24	4.8	22
41	Designing hierarchical nanoporous membranes for highly efficient gas adsorption and storage. <i>Science Advances</i> , 2020 , 6,	14.3	21
40	Origin of enhanced water oxidation activity in an iridium single atom anchored on NiFe oxyhydroxide catalyst. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	21
39	Dihydroartemisinin-Loaded Magnetic Nanoparticles for Enhanced Chemodynamic Therapy. <i>Frontiers in Pharmacology</i> , 2020 , 11, 226	5.6	20
38	Self-Supported ZIF-Derived Co O Nanoparticles-Decorated Porous N-Doped Carbon Fibers as Oxygen Reduction Catalyst. <i>Chemistry - A European Journal</i> , 2019 , 25, 6807-6813	4.8	19
37	Three-Dimensional Hierarchical Porous Nanotubes Derived from Metal-Organic Frameworks for Highly Efficient Overall Water Splitting. <i>iScience</i> , 2020 , 23, 100761	6.1	19
36	Sub-5 nm porous nanocrystals: interfacial site-directed growth on graphene for efficient biocatalysis. <i>Chemical Science</i> , 2015 , 6, 4029-4034	9.4	18
35	Three-dimensional WS ₂ nanosheet networks for H ₂ O ₂ produced for cell signaling. <i>Nanoscale</i> , 2016 , 8, 5786-92	7.7	18
34	CoNiO ₂ /TiN/TiOxNy composites for ultrahigh electrochemical energy storage and simultaneous glucose sensing. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 10904	13	17
33	Integrated cooling (i-Cool) textile of heat conduction and sweat transportation for personal perspiration management. <i>Nature Communications</i> , 2021 , 12, 6122	17.4	17
32	A tissue-like neurotransmitter sensor for the brain and gut. <i>Nature</i> , 2022 , 606, 94-101	50.4	17
31	Implantable and Biodegradable Macroporous Iron Oxide Frameworks for Efficient Regeneration and Repair of Infarcted Heart. <i>Theranostics</i> , 2017 , 7, 1966-1975	12.1	15
30	Reversible chemical tuning of charge carriers for enhanced photoelectrochemical conversion and probing of living cells. <i>Small</i> , 2014 , 10, 4967-74	11	15
29	Growth of Single-Layered Two-Dimensional Mesoporous Polymer/Carbon Films by Self-Assembly of Monomicelles at the Interfaces of Various Substrates. <i>Angewandte Chemie</i> , 2015 , 127, 8545-8549	3.6	14
28	Improving hindlimb locomotor function by Non-invasive AAV-mediated manipulations of propriospinal neurons in mice with complete spinal cord injury. <i>Nature Communications</i> , 2021 , 12, 781	17.4	13
27	Interfacial assembly of mesoporous nanopylramids as ultrasensitive cellular interfaces featuring efficient direct electrochemistry. <i>NPG Asia Materials</i> , 2015 , 7, e204-e204	10.3	12
26	A turn-on luminescent probe for Fe ³⁺ and ascorbic acid with logic gate operation based on a zinc(II)-based metal-organic framework. <i>New Journal of Chemistry</i> , 2020 , 44, 8728-8735	3.6	12

25	Tunable-Sized Polymeric Micelles and Their Assembly for the Preparation of Large Mesoporous Platinum Nanoparticles. <i>Angewandte Chemie</i> , 2016 , 128, 10191-10195	3.6	11
24	Ordered Hexagonal Mesoporous Aluminosilicates and their Application in Ligand-Free Synthesis of Secondary Amines. <i>ChemCatChem</i> , 2015 , 7, 747-751	5.2	11
23	Simvastatin induced ferroptosis for triple-negative breast cancer therapy. <i>Journal of Nanobiotechnology</i> , 2021 , 19, 311	9.4	11
22	Revealing Molecular Mechanisms in Hierarchical Nanoporous Carbon via Nuclear Magnetic Resonance. <i>Matter</i> , 2020 , 3, 2093-2107	12.7	11
21	Aqueous Li-ion cells with superior cycling performance using multi-channeled polyaniline/Fe ₂ O ₃ nanotube anodes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 20177-20181	13	10
20	Mesoporous carbon coated molybdenum oxide nanobelts for improved lithium ion storage. <i>RSC Advances</i> , 2014 , 4, 29586-29590	3.7	10
19	Biomimetic Mesoporous Silica Nanoparticles for Enhanced Blood Circulation and Cancer Therapy.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 7849-7857	4.1	10
18	Artificial metabolism-inspired photoelectrochemical probing of biomolecules and cells. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 15752-15757	13	9
17	The role of commensal microflora-induced T cell responses in glaucoma neurodegeneration. <i>Progress in Brain Research</i> , 2020 , 256, 79-97	2.9	9
16	Defect self-assembly of metal-organic framework triggers ferroptosis to overcome resistance.. <i>Bioactive Materials</i> , 2023 , 19, 1-11	16.7	8
15	Four Novel Lanthanide(III) Metal-Organic Frameworks: Tunable Light Emission and Multiresponsive Luminescence Sensors for Vitamin B6 and Pesticides. <i>Crystal Growth and Design</i> , 2021 , 21, 2889-2897	3.5	8
14	Plasmon-enhanced photoelectrochemical monitoring of Ca ²⁺ from living cardiomyocytes. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 759, 14-20	4.1	5
13	The Synthesis of Hollow/Porous CuO Nanoparticles by Ion-Pairing Behavior Control. <i>ACS Omega</i> , 2020 , 5, 1879-1886	3.9	4
12	One-step bulk preparation of calcium carbonate nanotubes and its application in anticancer drug delivery. <i>Biological Trace Element Research</i> , 2012 , 147, 408-17	4.5	4
11	A water-stable zinc(II)-organic framework as an efficient fluorescent sensor for detection of Fe ³⁺ and reduced glutathione. <i>CrystEngComm</i> , 2021 , 23, 1243-1250	3.3	4
10	A novel copper(I) metal-organic framework as a highly efficient and ultrasensitive electrochemical platform for detection of Hg(II) ions in aqueous solution. <i>CrystEngComm</i> , 2021 , 23, 3043-3051	3.3	2
9	Highway Toward Efficient Water Oxidation. <i>Matter</i> , 2021 , 4, 21-22	12.7	2
8	Ultralight Mesoporous Magnetic Frameworks by Interfacial Assembly of Prussian Blue Nanocubes. <i>Angewandte Chemie</i> , 2014 , 126, 2932-2936	3.6	1

- 7 Mesoporous Spheres: Multimetallic Mesoporous Spheres Through Surfactant-Directed Synthesis (Adv. Sci. 8/2015). *Advanced Science*, **2015**, 2, 13.6 1
- 6 Baicalein-A Potent Pro-Homeostatic Regulator of Microglia in Retinal Ischemic Injury.. *Frontiers in Immunology*, **2022**, 13, 837497 8.4 1
- 5 Single-atom iron catalysts for biomedical applications. *Progress in Materials Science*, **2022**, 128, 100959 42.2 1
- 4 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
- 3 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 13.6
- 2 A Non-volatile View of Site-Specific Adsorption and Dynamics of VOCs and CO₂. *Matter*, **2020**, 3, 1823-1824 14.7
- 1 Engineered Dissolution for Better Electrocatalysts. *Chem*, **2021**, 7, 20-22 16.2