

# Shun Wang

## List of Publications by Year in descending order

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189  
papers

8,864  
citations

43973

48  
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48187

88  
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194  
all docs

194  
docs citations

194  
times ranked

11230  
citing authors

#	ARTICLE	IF	CITATIONS
1	Revisiting the Role of Polysulfides in Lithium–Sulfur Batteries. <i>Advanced Materials</i> , 2018, 30, e1705590.	11.1	456
2	A Single-Atom Iridium Heterogeneous Catalyst in Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9640-9645.	7.2	312
3	The Cathode Choice for Commercialization of Sodium–Iron Batteries: Layered Transition Metal Oxides versus Prussian Blue Analogs. <i>Advanced Functional Materials</i> , 2020, 30, 1909530.	7.8	276
4	Graphene Quantum Dots Supported by Graphene Nanoribbons with Ultrahigh Electrocatalytic Performance for Oxygen Reduction. <i>Journal of the American Chemical Society</i> , 2015, 137, 7588-7591.	6.6	262
5	Polymer-Templated Formation of Polydopamine-Coated SnO <sub>2</sub> Nanocrystals: Anodes for Cyclable Lithium–Iron Batteries. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1869-1872.	7.2	260
6	Recent Progress of Layered Transition Metal Oxide Cathodes for Sodium–Iron Batteries. <i>Small</i> , 2019, 15, e1805381.	5.2	246
7	Sodium transition metal oxides: the preferred cathode choice for future sodium-ion batteries?. <i>Energy and Environmental Science</i> , 2021, 14, 158-179.	15.6	224
8	Recent Progress in Biomass-Derived Electrode Materials for High Volumetric Performance Supercapacitors. <i>Advanced Energy Materials</i> , 2018, 8, 1801007.	10.2	213
9	Chemisorption of polysulfides through redox reactions with organic molecules for lithium–sulfur batteries. <i>Nature Communications</i> , 2018, 9, 705.	5.8	207
10	High Volumetric Capacitance, Ultralong Life Supercapacitors Enabled by Waxberry-Derived Hierarchical Porous Carbon Materials. <i>Advanced Energy Materials</i> , 2018, 8, 1702695.	10.2	204
11	Extraordinarily High Activity in the Hydrodesulfurization of 4,6-Dimethyldibenzothiophene over Pd Supported on Mesoporous Zeolite Y. <i>Journal of the American Chemical Society</i> , 2011, 133, 15346-15349.	6.6	186
12	Heteroatom-Doped Porous Carbon Materials with Unprecedented High Volumetric Capacitive Performance. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2397-2401.	7.2	178
13	Thermodynamic Analysis of Decomposition of Thiourea and Thiourea Oxides. <i>Journal of Physical Chemistry B</i> , 2005, 109, 17281-17289.	1.2	169
14	Scrutinizing Defects and Defect Density of Selenium-Doped Graphene for High-Efficiency Triiodide Reduction in Dye-Sensitized Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4682-4686.	7.2	155
15	Molybdenum Carbide Nanoparticles Coated into the Graphene Wrapping N-Doped Porous Carbon Microspheres for Highly Efficient Electrocatalytic Hydrogen Evolution Both in Acidic and Alkaline Media. <i>Advanced Science</i> , 2018, 5, 1700733.	5.6	152
16	Facile Synthesis of Hierarchical Hollow CoP@C Composites with Superior Performance for Sodium and Potassium Storage. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5159-5164.	7.2	142
17	The charge carrier dynamics, efficiency and stability of two-dimensional material-based perovskite solar cells. <i>Chemical Society Reviews</i> , 2019, 48, 4854-4891.	18.7	139
18	Hybrid Organic–Inorganic Thermoelectric Materials and Devices. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15206-15226.	7.2	138

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19	Sulfur-impregnated, Sandwich-type, Hybrid Carbon Nanosheets with Hierarchical Porous Structure for High-performance Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2014, 4, 1301988.	10.2	130
20	Structural design of anode materials for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6183-6205.	5.2	127
21	The Preparation of Hierarchical Flowerlike NiO/Reduced Graphene Oxide Composites for High Performance Supercapacitor Applications. <i>Energy &amp; Fuels</i> , 2013, 27, 6304-6310.	2.5	111
22	Aqueous intercalation-type electrode materials for grid-level energy storage: Beyond the limits of lithium and sodium. <i>Nano Energy</i> , 2018, 50, 229-244.	8.2	108
23	Hierarchically Porous Multimetal-Based Carbon Nanorod Hybrid as an Efficient Oxygen Catalyst for Rechargeable Zinc-Air Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 1908167.	7.8	105
24	Synergistic Cascade Carrier Extraction via Dual Interfacial Positioning of Ambipolar Black Phosphorene for High-efficiency Perovskite Solar Cells. <i>Advanced Materials</i> , 2020, 32, e2000999.	11.1	104
25	P2-type $\text{Na}_{2/3}\text{Ni}_{1/3}\text{Mn}_{2/3}\text{O}_2$ as a cathode material with high-rate and long-life for sodium ion storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9215-9221.	5.2	102
26	Origins of Boosted Charge Storage on Heteroatom-Doped Carbons. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7928-7933.	7.2	102
27	A Novel Graphene Oxide Wrapped $\text{Na}_2\text{Fe}_2(\text{SO}_4)_3/\text{C}$ Cathode Composite for Long Life and High Energy Density Sodium-ion Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1800944.	10.2	101
28	Ultrathin 2D $\text{TiS}_2$ Nanosheets for High Capacity and Long-life Sodium Ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1803210.	10.2	100
29	Radially Inwardly Aligned Hierarchical Porous Carbon for Ultra-long-life Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6406-6411.	7.2	100
30	A Versatile Strategy for Shish-Kebab-like Multi-heterostructured Chalcogenides and Enhanced Photocatalytic Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2015, 137, 11004-11010.	6.6	95
31	A Robust Route to $\text{Co}_2(\text{OH})_2\text{CO}_3$ Ultrathin Nanosheets with Superior Lithium Storage Capability Templated by Aspartic Acid-Functionalized Graphene Oxide. <i>Advanced Energy Materials</i> , 2019, 9, 1901093.	10.2	94
32	An electrochemical impedance sensor for the label-free ultrasensitive detection of interleukin-6 antigen. <i>Sensors and Actuators B: Chemical</i> , 2013, 178, 310-315.	4.0	88
33	Electrochemical detection of hepatitis B and papilloma virus DNAs using SWCNT array coated with gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2013, 41, 205-210.	5.3	88
34	3D hierarchical nitrogen-doped carbon nanoflower derived from chitosan for efficient electrocatalytic oxygen reduction and high performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18193-18206.	5.2	86
35	In Situ Encapsulation of Iron Complex Nanoparticles into Biomass-Derived Heteroatom-Enriched Carbon Nanotubes for High-performance Supercapacitors. <i>Advanced Energy Materials</i> , 2019, 9, 1803221.	10.2	86
36	Nitrogen and sulfur co-doped porous carbon sheets for energy storage and pH-universal oxygen reduction reaction. <i>Nano Energy</i> , 2018, 54, 192-199.	8.2	83

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37	Direct Observation of Defect-Aided Structural Evolution in a Nickel-Rich Layered Cathode. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22092-22099.	7.2	75
38	A Triphasic Bifunctional Oxygen Electrocatalyst with Tunable and Synergetic Interfacial Structure for Rechargeable Zn-Air Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 1903003.	10.2	74
39	Fundamentals of Electrolytes for Solid-State Batteries: Challenges and Perspectives. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	72
40	SnO <sub>2</sub> as Advanced Anode of Alkali-Ion Batteries: Inhibiting Sn Coarsening by Crafting Robust Physical Barriers, Void Boundaries, and Heterophase Interfaces for Superior Electrochemical Reaction Reversibility. <i>Advanced Energy Materials</i> , 2020, 10, 1902657.	10.2	71
41	Synthesis of Au-Decorated Tripod-Shaped Te Hybrids for Applications in the Ultrasensitive Detection of Arsenic. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 5733-5740.	4.0	68
42	Novel Non-Carbon Sulfur Hosts Based on Strong Chemisorption for Lithium-Sulfur Batteries. <i>Small</i> , 2018, 14, e1801987.	5.2	68
43	Halide Perovskite Materials for Photo(Electro)Chemical Applications: Dimensionality, Heterojunction, and Performance. <i>Advanced Energy Materials</i> , 2022, 12, 2004002.	10.2	68
44	Reconfigurable Plasmonic Diastereomers Assembled by DNA Origami. <i>ACS Nano</i> , 2019, 13, 13702-13708.	7.3	66
45	Incorporating ultra-small N-doped Mo <sub>2</sub> C nanoparticles onto 3D N-doped flower-like carbon nanospheres for robust electrocatalytic hydrogen evolution. <i>Nano Energy</i> , 2021, 86, 106047.	8.2	66
46	A Single-Atom Iridium Heterogeneous Catalyst in Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , 2019, 131, 9742-9747.	1.6	59
47	Graphene Oxide Liquid Crystals as a Versatile and Tunable Alignment Medium for the Measurement of Residual Dipolar Couplings in Organic Solvents. <i>Journal of the American Chemical Society</i> , 2014, 136, 11280-11283.	6.6	58
48	Insights of Heteroatoms Doping-Enhanced Bifunctionalities on Carbon Based Energy Storage and Conversion. <i>Advanced Functional Materials</i> , 2021, 31, 2009109.	7.8	58
49	Research Development on Aqueous Ammonium-Ion Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	58
50	Controllable synthesis of highly uniform flower-like hierarchical carbon nanospheres and their application in high performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6245-6256.	5.2	48
51	A Novel Glucose/pH Responsive Low-Molecular-Weight Organogel of Easy Recycling. <i>Langmuir</i> , 2013, 29, 13568-13575.	1.6	47
52	Single-crystal NaY(MoO <sub>4</sub> ) <sub>2</sub> thin plates with dominant {001} facets for efficient photocatalytic degradation of dyes under visible light irradiation. <i>Chemical Communications</i> , 2011, 47, 8013.	2.2	46
53	Aligned SWCNT-copper oxide array as a nonenzymatic electrochemical probe of glucose. <i>Electrochemistry Communications</i> , 2011, 13, 363-365.	2.3	45
54	Reaction inhomogeneity coupling with metal rearrangement triggers electrochemical degradation in lithium-rich layered cathode. <i>Nature Communications</i> , 2021, 12, 5370.	5.8	44

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55	Ultrasensitive room-temperature detection of NO <sub>2</sub> with tellurium nanotube based chemiresistive sensor. <i>Sensors and Actuators B: Chemical</i> , 2014, 196, 321-327.	4.0	43
56	Tailoring Hierarchically Porous Nitrogen- and Sulfur-Codoped Carbon for High-Performance Supercapacitors and Oxygen Reduction. <i>Small</i> , 2020, 16, e1906584.	5.2	43
57	Hydroxylated Multi-Walled Carbon Nanotubes Covalently Modified with Tris(hydroxypropyl) Phosphine as a Functional Interlayer for Advanced Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	43
58	Facile Preparation of Superhydrophobic Biomimetic Surface Based on Octadecyltrichlorosilane and Silica Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 2393-2398.	4.0	42
59	Mild-Temperature Solution-Assisted Encapsulation of Phosphorus into ZIF-8 Derived Porous Carbon as Lithium-Ion Battery Anode. <i>Small</i> , 2020, 16, e1907141.	5.2	42
60	Synthesis, characterization and optical properties of flower-like tellurium. <i>CrystEngComm</i> , 2010, 12, 166-171.	1.3	40
61	Rapid and Controllable Synthesis of Nanocrystallized Nickel-Cobalt Boride Electrode Materials via a Microimpinging Stream Reaction for High Performance Supercapacitors. <i>Small</i> , 2020, 16, e2003342.	5.2	39
62	Single Mo-N <sub>4</sub> Atomic Sites Anchored on N-doped Carbon Nanoflowers as Sulfur Host with Multiple Immobilization and Catalytic Effects for High-Performance Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	39
63	Study of hydrodesulfurization of 4,6-DM-DBT over Pd supported on mesoporous USY zeolite. <i>Applied Catalysis A: General</i> , 2012, 433-434, 251-257.	2.2	38
64	Deep-Breathing Honeycomb-like Co-N <sub>x</sub> -C Nanopolyhedron Bifunctional Oxygen Electrocatalysts for Rechargeable Zn-Air Batteries. <i>IScience</i> , 2020, 23, 101404.	1.9	38
65	Recent advances in solar-driven CO <sub>2</sub> reduction over g-C <sub>3</sub> N <sub>4</sub> -based photocatalysts. , 2023, 5, .		38
66	Zero discharge process for foil industry waste acid reclamation: Coupling of diffusion dialysis and electro dialysis with bipolar membranes. <i>Journal of Membrane Science</i> , 2013, 432, 90-96.	4.1	37
67	Challenges of layer-structured cathodes for sodium-ion batteries. <i>Nanoscale Horizons</i> , 2022, 7, 338-351.	4.1	37
68	Synthesis of Porous NiO/Reduced Graphene Oxide Composites for Supercapacitors. <i>Journal of the Electrochemical Society</i> , 2012, 159, A990-A994.	1.3	36
69	Integrated dynamic wet spinning of core-sheath hydrogel fibers for optical-to-brain/tissue communications. <i>National Science Review</i> , 2021, 8, nwaa209.	4.6	36
70	Identification of the Structures of Superlong Oriented Single-Walled Carbon Nanotube Arrays by Electrodeposition of Metal and Raman Spectroscopy. <i>Journal of the American Chemical Society</i> , 2008, 130, 11860-11861.	6.6	35
71	Interfacial Strategies for Suppression of Mn Dissolution in Rechargeable Battery Cathode Materials. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 23022-23032.	4.0	35
72	Heteroatom-Doped Porous Carbon Materials with Unprecedented High Volumetric Capacitive Performance. <i>Angewandte Chemie</i> , 2019, 131, 2419-2423.	1.6	34

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73	The Emerging Electrochemical Activation Tactic for Aqueous Energy Storage: Fundamentals, Applications, and Future. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	34
74	Advancing Performance and Unfolding Mechanism of Lithium and Sodium Storage in SnO <sub>2</sub> via Precision Synthesis of Monodisperse PEG-Ligated Nanoparticles. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	34
75	Electrochemical growth of gold nanoparticles on horizontally aligned carbon nanotubes: A new platform for ultrasensitive DNA sensing. <i>Biosensors and Bioelectronics</i> , 2012, 33, 279-283.	5.3	33
76	Photothermal effect enables markedly enhanced oxygen reduction and evolution activities for high-performance Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 19734-19740.	5.2	33
77	Urchin-Shaped Bi <sub>2</sub> S <sub>3</sub> /Cu <sub>2</sub> S/Cu <sub>3</sub> BiS <sub>3</sub> Composites with Enhanced Photothermal and CT Imaging Performance. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3794-3800.	1.5	32
78	Encapsulating phosphorus inside carbon nanotubes via a solution approach for advanced lithium ion host. <i>Nano Energy</i> , 2019, 58, 23-29.	8.2	32
79	Cascade signal amplification for electrochemical immunosensing by integrating biobarcode probes, surface-initiated enzymatic polymerization and silver nanoparticle deposition. <i>Biosensors and Bioelectronics</i> , 2015, 66, 177-183.	5.3	31
80	Highly sensitive and selective electrochemical detection of Hg <sup>2+</sup> through surface-initiated enzymatic polymerization. <i>Biosensors and Bioelectronics</i> , 2016, 80, 105-110.	5.3	30
81	Tailoring conductive networks within hollow carbon nanospheres to host phosphorus for advanced sodium ion batteries. <i>Nano Energy</i> , 2020, 70, 104569.	8.2	29
82	Facile Synthesis of Birnessite $\gamma$ -MnO <sub>2</sub> and Carbon Nanotube Composites as Effective Catalysts for Li-CO <sub>2</sub> Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 16585-16593.	4.0	29
83	Scrutinizing Defects and Defect Density of Selenium-Doped Graphene for High-Efficiency Triiodide Reduction in Dye-Sensitized Solar Cells. <i>Angewandte Chemie</i> , 2018, 130, 4772-4776.	1.6	28
84	One-step nonlinear electrochemical synthesis of TexSy@PANI nanorod materials for Li-TexSy battery. <i>Energy Storage Materials</i> , 2019, 16, 31-36.	9.5	28
85	Fast coprecipitation of nickel-cobalt oxide in a micro-impinging stream reactor for the construction of high-performance asymmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , 2019, 792, 314-327.	2.8	27
86	Hydrogen evolution reaction catalyzed by nickel/nickel phosphide nanospheres synthesized through electrochemical methods. <i>Electrochimica Acta</i> , 2019, 298, 229-236.	2.6	27
87	Polymer-templated Formation of Polydopamine-Coated SnO <sub>2</sub> Nanocrystals: Anodes for Cyclable Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2017, 129, 1895-1898.	1.6	26
88	Two 2-D homometallic and heterometallic Schiff-base complexes bridged by dicyanamide. <i>Inorganic Chemistry Communication</i> , 2009, 12, 255-258.	1.8	23
89	Strong Graphene 3D Assemblies with High Elastic Recovery and Hardness. <i>Advanced Materials</i> , 2018, 30, e1707424.	11.1	22
90	Scalable fabrication of geometry-tunable self-aligned superlattice photonic crystals for spectrum-programmable light trapping. <i>Nano Energy</i> , 2019, 58, 543-551.	8.2	22

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91	Enhanced Potassium Storage Capability of Two-Dimensional Transition-Metal Chalcogenides Enabled by a Collective Strategy. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 18838-18848.	4.0	21
92	Origins of Boosted Charge Storage on Heteroatom-Doped Carbons. <i>Angewandte Chemie</i> , 2020, 132, 8002-8007.	1.6	20
93	Cationic-anionic redox couple gradient to immunize against irreversible processes of Li-rich layered oxides. <i>Journal of Materials Chemistry A</i> , 2021, 9, 2325-2333.	5.2	20
94	Facile Synthesis of Hierarchical Hollow CoP@C Composites with Superior Performance for Sodium and Potassium Storage. <i>Angewandte Chemie</i> , 2020, 132, 5197-5202.	1.6	19
95	Understanding the Ni-rich layered structure materials for high-energy density lithium-ion batteries. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2607-2622.	3.2	19
96	Structural engineering of electrode materials to boost high-performance sodium-ion batteries. <i>Cell Reports Physical Science</i> , 2021, 2, 100551.	2.8	19
97	Photo-Thermo-Mechanochemical Approach to Synthesize Quinolines via Addition/Cyclization of Sulfoxonium Ylides with 2-Vinylanilines Catalyzed by Iron(II) Phthalocyanine. <i>Organic Letters</i> , 2022, 24, 1146-1151.	2.4	19
98	Large-scale synthesis of feather-like single-crystal Te via a biphasic interfacial reaction route. <i>CrystEngComm</i> , 2010, 12, 3852.	1.3	18
99	Urchin-shaped MoS <sub>2</sub> @Cd <sub>0.8</sub> Zn <sub>0.2</sub> S nanocomposites with greatly enhanced and long-lasting photocatalytic activity. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 18824-18831.	3.8	18
100	Tuning the NIR photoabsorption of CuWO <sub>4</sub> nanodots with oxygen vacancies for CT imaging guided photothermal therapy of tumors. <i>Biomaterials Science</i> , 2019, 7, 4651-4660.	2.6	18
101	Toward High-Performance Lithium-Sulfur Batteries: Efficient Anchoring and Catalytic Conversion of Polysulfides Using P-Doped Carbon Foam. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 50093-50100.	4.0	18
102	Determination of amino acids in by high performance capillary electrophoresis. <i>Talanta</i> , 2005, 66, 755-761.	2.9	17
103	Nano-TiO <sub>2</sub> : An Efficient and Reusable Heterogeneous Catalyst for Ring Opening of Epoxides Under Solvent-Free Conditions. <i>Synthetic Communications</i> , 2012, 42, 2440-2452.	1.1	17
104	A highly efficient reusable homogeneous copper catalyst for the selective aerobic oxygenation sulfides to sulfoxides. <i>Tetrahedron Letters</i> , 2018, 59, 982-986.	0.7	17
105	Surface lattice engineering for fine-tuned spatial configuration of nanocrystals. <i>Nature Communications</i> , 2021, 12, 5661.	5.8	17
106	Structure engineering of PtCu <sub>3</sub> /C catalyst from disordered to ordered intermetallic compound with heat-treatment for the methanol electrooxidation reaction. <i>Nano Research</i> , 2022, 15, 3866-3871.	5.8	17
107	Development of novel highly stable synergistic quaternary photocatalyst for the efficient hydrogen evolution reaction. <i>Applied Surface Science</i> , 2020, 510, 145498.	3.1	16
108	The enhanced electrocatalytic activity of graphene co-doped with chlorine and fluorine atoms. <i>Electrochimica Acta</i> , 2015, 177, 36-42.	2.6	15

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109	Radially Inwardly Aligned Hierarchical Porous Carbon for Ultra-Long-Life Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , 2020, 132, 6468-6473.	1.6	15
110	Self-assembly of osmium complexes on reduced graphene oxide: A case study toward electrochemical chiral sensing. <i>Electrochemistry Communications</i> , 2012, 16, 80-83.	2.3	14
111	Iron and Nitrogen Co-Doped Mesoporous Carbon-Based Heterogeneous Catalysts for Selective Reduction of Nitroarenes. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 3525-3531.	2.1	14
112	Unprecedentedly low thermal conductivity of unique tellurium nanoribbons. <i>Nano Research</i> , 2021, 14, 4725-4731.	5.8	14
113	Novel engineering of ruthenium-based electrocatalysts for acidic water oxidation: A mini review. <i>Engineering Reports</i> , 2021, 3, e12437.	0.9	14
114	Dual cocatalyst modified CdS achieving enhanced photocatalytic H <sub>2</sub> generation and benzylamine oxidation performance. <i>Applied Surface Science</i> , 2022, 592, 153277.	3.1	14
115	Ag@Au Core-Shell Porous Nanocages with Outstanding SERS Activity for Highly Sensitive SERS Immunoassay. <i>Sensors</i> , 2019, 19, 1554.	2.1	12
116	Highly selective and efficient electroreduction of CO <sub>2</sub> in water by quaterpyridine derivative-based molecular catalyst noncovalently tethered to carbon nanotubes. <i>SmartMat</i> , 2022, 3, 151-162.	6.4	12
117	Biomass-Derived Fe <sub>2</sub> N@NCNTs from Bioaccumulation as an Efficient Electrocatalyst for Oxygen Reduction and Zn-Air Battery. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 9105-9112.	3.2	12
118	catena-Poly[[tetra- $\frac{1}{4}$ -acetatodinicel(II)] $\frac{1}{4}$ -N,N $\epsilon^2$ -hexamethylenetetramine]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2002, 58, m242-m244.	0.2	11
119	1,4-Diazoniabicyclo[2.2.2]octane hexaaquacobalt(II) bis(sulfate). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, m671-m672.	0.2	11
120	Oxidative Coupling of Aromatic Amines and Nitrosoarenes: Iodine-Mediated Formation of Unsymmetrical Aromatic Azoxy Compounds. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3150-3156.	2.1	11
121	Polymer-Inorganic Thermoelectric Nanomaterials: Electrical Properties, Interfacial Chemistry Engineering, and Devices. <i>Frontiers in Chemistry</i> , 2021, 9, 677821.	1.8	11
122	Bioinspired, Nanostructure-Amplified, Subcutaneous Light Harvesting to Power Implantable Biomedical Electronics. <i>ACS Nano</i> , 2021, 15, 12475-12482.	7.3	11
123	Controllable and Scale-Up Synthesis of Nickel-Cobalt Boride@Borate/RGO Nanoflakes via Reactive Impingement Mixing: A High-Performance Supercapacitor Electrode and Electrocatalyst. <i>Frontiers in Chemistry</i> , 2022, 10, 874675.	1.8	11
124	Crystallization regulation of solution-processed two-dimensional perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2022, 10, 13625-13650.	5.2	11
125	catena-Poly[[[aquazinc(II)] $\frac{1}{4}$ -2,2 $\epsilon^2$ -dithiodibenzoato] bis(N,N-dimethylformamide)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, m413-m415.	0.2	10
126	Self-assembled Three-dimensional Hierarchical BiVO <sub>4</sub> Microspheres from Nanoplates: Malic Acid-assisted Hydrothermal Synthesis and Photocatalytic Activities. <i>Chemistry Letters</i> , 2009, 38, 962-963.	0.7	10



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127	An Ultra-low-cost Route to Mesostructured TS-1 Zeolite for Efficient Catalytic Conversion of Bulk Molecules. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 13903-13909.	1.8	10
128	A Novel Design of High-Temperature Polymer Electrolyte Membrane Acetone Fuel Cell Sensor. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129006.	4.0	10
129	A rapid green route for fabricating efficient SERS substrates. <i>Green Chemistry</i> , 2011, 13, 2831.	4.6	9
130	Intrinsic dew-enhancing ability of SiO <sub>2</sub> /PODS materials. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 377, 110-114.	2.3	9
131	Cost-Effective Production of Pure Al <sub>13</sub> from AlCl <sub>3</sub> by Electrolysis. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 11201-11206.	1.8	9
132	The selective formation of graphene ranging from two-dimensional sheets to three-dimensional mesoporous nanospheres. <i>Nanoscale</i> , 2014, 6, 7204-7208.	2.8	9
133	Gold Embedded Maghemite Hybrid Nanowires and Their Gas Sensing Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 10534-10540.	4.0	9
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