

Juan Su

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

199
papers

10,443
citations

56
h-index

97
g-index

208
ext. papers

12,080
ext. citations

9.2
avg, IF

6.59
L-index

#	Paper	IF	Citations
199	Toward Hydrogen-Free and Dendrite-Free Aqueous Zinc Batteries: Formation of Zincophilic Protective Layer on Zn Anodes.. <i>Advanced Science</i> , 2022 , e2104866	13.6	22
198	Heteroatom-Embedded Approach to Vinylene-Linked Covalent Organic Frameworks with Isoelectronic Structures for Photoredox Catalysis. <i>Angewandte Chemie</i> , 2022 , 134, e202111627	3.6	1
197	Dendrite-free lithium anode achieved under lean-electrolyte condition through the modification of separators with F-functionalized Ti3C2 nanosheets. <i>Journal of Energy Chemistry</i> , 2022 , 66, 366-373	12	2
196	Facilitating Hot Electron Injection from Graphene to Semiconductor by Rectifying Contact for Vis-NIR-Driven H ₂ O Production.. <i>Small</i> , 2022 , e2200885	11	0
195	Highly Reversible Zinc Anode Enabled by a Cation-Exchange Coating with Zn-Ion Selective Channels.. <i>ACS Nano</i> , 2022 ,	16.7	4
194	Heteroatom-Embedded Approach to Vinylene-Linked Covalent Organic Frameworks with Isoelectronic Structures for Photoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	9
193	Semiconductor-based nanocomposites for selective organic synthesis. <i>Nano Select</i> , 2021 , 2, 1799	3.1	0
192	Synthesis of Ionic Vinylene-Linked Covalent Organic Frameworks through Quaternization-Activated Knoevenagel Condensation. <i>Angewandte Chemie</i> , 2021 , 133, 13726-13732	3.6	3
191	Synthesis of Ionic Vinylene-Linked Covalent Organic Frameworks through Quaternization-Activated Knoevenagel Condensation. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 13614-13620	16.4	18
190	Enhanced Electrochemical Performance of Aprotic Li-CO Batteries with a Ruthenium-Complex-Based Mobile Catalyst. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16404-16408	16.4	12
189	Enhanced Electrochemical Performance of Aprotic Li-CO ₂ Batteries with a Ruthenium-Complex-Based Mobile Catalyst. <i>Angewandte Chemie</i> , 2021 , 133, 16540-16544	3.6	2
188	Electrochemical activation of C-H by electron-deficient WC nanocrystals for simultaneous alkoxylation and hydrogen evolution. <i>Nature Communications</i> , 2021 , 12, 3882	17.4	1
187	Designed electron-deficient gold nanoparticles for a room-temperature C-C coupling reaction. <i>Chemical Communications</i> , 2021 , 57, 741-744	5.8	5
186	Oxygen Vacancy Engineering of Titania-Induced by Sr Dopants for Visible-Light-Driven Hydrogen Evolution. <i>Inorganic Chemistry</i> , 2021 , 60, 32-36	5.1	2
185	Towards high performance lithium-oxygen batteries: Co ₃ O ₄ -NiO heterostructure induced preferential growth of ultrathin Li ₂ O ₂ film. <i>Journal of Alloys and Compounds</i> , 2021 , 863, 158073	5.7	0
184	Chemical fixation of CO ₂ on nanocarbons and hybrids. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 20857-20873	10.73	6
183	Boosting the Zn-ion transfer kinetics to stabilize the Zn metal interface for high-performance rechargeable Zn-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 16814-16823	13	20

182	Schottky Barrier-Induced Surface Electric Field Boosts Universal Reduction of NO in Water to Ammonia. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 20711-20716	16.4	14
181	Schottky Barrier-Induced Surface Electric Field Boosts Universal Reduction of NO _x in Water to Ammonia. <i>Angewandte Chemie</i> , 2021 , 133, 20879-20884	3.6	7
180	Heterojunction-Based Electron Donators to Stabilize and Activate Ultrafine Pt Nanoparticles for Efficient Hydrogen Atom Dissociation and Gas Evolution. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 25766-25770	16.4	5
179	Thiophene derivatives as electrode materials for high-performance sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 11530-11536	13	1
178	Construction of Large Non-Localized π -Electron System for Enhanced Sodium-Ion Storage. <i>Small</i> , 2021 , e2105825	11	0
177	Synergy of Fe-N ₄ and non-coordinated boron atoms for highly selective oxidation of amine into nitrile. <i>Nano Research</i> , 2020 , 13, 2079-2084	10	12
176	Vinylene-Bridged Two-Dimensional Covalent Organic Frameworks via Knoevenagel Condensation of Tricyanomesitylene. <i>Journal of the American Chemical Society</i> , 2020 , 142, 11893-11900	16.4	78
175	Boosting the electrochemical performance of LiO ₂ batteries with DPPH redox mediator and graphene-luteolin-protected lithium anode. <i>Energy Storage Materials</i> , 2020 , 31, 373-381	19.4	12
174	Biomimetic Design of a 3 D Transition Metal/Carbon Dyad for the One-Step Hydrodeoxygenation of Vanillin. <i>ChemSusChem</i> , 2020 , 13, 1900-1905	8.3	5
173	Sodium phthalate as an anode material for sodium ion batteries: effect of the bridging carbonyl group. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 8469-8475	13	10
172	Atomically Dispersed Ni-Based Anti-Coking Catalysts for Methanol Dehydrogenation in a Fixed-Bed Reactor. <i>ACS Catalysis</i> , 2020 , 10, 12569-12574	13.1	3
171	Electrocatalyst design for aprotic LiO ₂ batteries. <i>Energy and Environmental Science</i> , 2020 , 13, 4717-4733	35.4	28
170	Isoelectric Si Heteroatoms as Electron Traps for N ₂ Fixation and Activation. <i>Advanced Functional Materials</i> , 2020 , 30, 2005779	15.6	12
169	Autoxidation of polythiophene tethered to carbon cloth boosts its electrocatalytic activity towards durable water oxidation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 19793-19798	13	8
168	Phosphazene-derived stable and robust artificial SEI for protecting lithium anodes of Li-O batteries. <i>Chemical Communications</i> , 2020 , 56, 12566-12569	5.8	2
167	Core-shell anatase anode materials for sodium-ion batteries: the impact of oxygen vacancies and nitrogen-doped carbon coating. <i>Nanoscale</i> , 2019 , 11, 17860-17868	7.7	10
166	Electrochemical Reduction of N into NH by Donor-Acceptor Couples of Ni and Au Nanoparticles with a 67.8% Faradaic Efficiency. <i>Journal of the American Chemical Society</i> , 2019 , 141, 14976-14980	16.4	178
165	Free-standing N,Co-codoped TiO ₂ nanoparticles for LiO ₂ -based LiO ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 23046-23054	13	12

164	Boosting selective nitrogen reduction to ammonia on electron-deficient copper nanoparticles. <i>Nature Communications</i> , 2019 , 10, 4380	17.4	117
163	2D/2D Heterojunctions for Catalysis. <i>Advanced Science</i> , 2019 , 6, 1801702	13.6	115
162	MoS ₂ nanoflakes integrated in a 3D carbon framework for high-performance sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2019 , 797, 1126-1132	5.7	13
161	Synergy of B and Al Dopants in Mesoporous MFI Nanocrystals for Highly Selective Alcoholysis of Furfuryl Alcohol into Ethyl Levulinate. <i>Energy Technology</i> , 2019 , 7, 1900271	3.5	6
160	Photogenerated singlet oxygen over zeolite-confined carbon dots for shape selective catalysis. <i>Science China Chemistry</i> , 2019 , 62, 434-439	7.9	9
159	Oriented arrays of CoO nanoneedles for highly efficient electrocatalytic water oxidation. <i>Chemical Communications</i> , 2019 , 55, 3971-3974	5.8	13
158	Multistaged discharge constructing heterostructure with enhanced solid-solution behavior for long-life lithium-oxygen batteries. <i>Nature Communications</i> , 2019 , 10, 5810	17.4	59
157	3D ordered macroporous MoO ₂ attached on carbonized cloth for high performance free-standing binder-free lithium-sulfur electrodes. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 24524-24531	13	13
156	Schottky Barrier Induced Coupled Interface of Electron-Rich N-Doped Carbon and Electron-Deficient Cu: In-Built Lewis Acid-Base Pairs for Highly Efficient CO Fixation. <i>Journal of the American Chemical Society</i> , 2019 , 141, 38-41	16.4	72
155	Rubber-based carbon electrode materials derived from dumped tires for efficient sodium-ion storage. <i>Dalton Transactions</i> , 2018 , 47, 4885-4892	4.3	6
154	Free-Standing Air Cathodes Based on 3D Hierarchically Porous Carbon Membranes: Kinetic Overpotential of Continuous Macropores in Li-O ₂ Batteries. <i>Angewandte Chemie</i> , 2018 , 130, 6941-6945	3.6	17
153	Free-Standing Air Cathodes Based on 3D Hierarchically Porous Carbon Membranes: Kinetic Overpotential of Continuous Macropores in Li-O Batteries. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 6825-6829	16.4	52
152	Enhanced oxygen electroreduction over nitrogen-free carbon nanotube-supported CuFeO ₂ nanoparticles. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 4331-4336	13	20
151	Tuning the Adsorption Energy of Methanol Molecules Along Ni-N-Doped Carbon Phase Boundaries by the Mott-Schottky Effect for Gas-Phase Methanol Dehydrogenation. <i>Angewandte Chemie</i> , 2018 , 130, 2727-2731	3.6	14
150	Tuning the Adsorption Energy of Methanol Molecules Along Ni-N-Doped Carbon Phase Boundaries by the Mott-Schottky Effect for Gas-Phase Methanol Dehydrogenation. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2697-2701	16.4	58
149	Oxygen vacancy-rich, Ru-doped In ₂ O ₃ ultrathin nanosheets for efficient detection of xylene at low temperature. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 4156-4162	7.1	30
148	Transitions from a Kondo-like diamagnetic insulator into a modulated ferromagnetic metal in FeGaGe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 3273-3278	11.5	7
147	Polarized few-layer g-C ₃ N ₄ as metal-free electrocatalyst for highly efficient reduction of CO ₂ . <i>Nano Research</i> , 2018 , 11, 2450-2459	10	47

146	Mono-Atomic Fe Centers in Nitrogen/Carbon Monolayers for Liquid-Phase Selective Oxidation Reaction. <i>ChemCatChem</i> , 2018 , 10, 3539-3545	5.2	9
145	A Polyimide Nanolayer as a Metal-Free and Durable Organic Electrode Toward Highly Efficient Oxygen Evolution. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 12563-12566	16.4	26
144	Germanium nanoparticles supported by 3D ordered macroporous nickel frameworks as high-performance free-standing anodes for Li-ion batteries. <i>Chemical Engineering Journal</i> , 2018 , 354, 616-622	14.7	28
143	A Polyimide Nanolayer as a Metal-Free and Durable Organic Electrode Toward Highly Efficient Oxygen Evolution. <i>Angewandte Chemie</i> , 2018 , 130, 12743-12746	3.6	9
142	Nitrogen-doped carbon nanotube sponge with embedded Fe/Fe ₃ C nanoparticles as binder-free cathodes for high capacity lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 17473-17480 ¹³		49
141	Direct reduction of oxygen gas over dendritic carbons with hierarchical porosity: beyond the diffusion limitation. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2023-2030	6.8	1
140	Strategies toward High-Performance Cathode Materials for Lithium-Oxygen Batteries. <i>Small</i> , 2018 , 14, e1800078	11	73
139	Corrosion engineering towards efficient oxygen evolution electrodes with stable catalytic activity for over 6000 hours. <i>Nature Communications</i> , 2018 , 9, 2609	17.4	244
138	Top-down fabrication of hierarchical nanocubes on nanosheets composite for high-rate lithium storage. <i>Dalton Transactions</i> , 2018 , 47, 16155-16163	4.3	3
137	Thiophene Derivative as a High Electrochemical Active Anode Material for Sodium-Ion Batteries: The Effect of Backbone Sulfur. <i>Chemistry of Materials</i> , 2018 , 30, 8426-8430	9.6	15
136	Efficient oxygen evolution electrocatalysis in acid by a perovskite with face-sharing IrO octahedral dimers. <i>Nature Communications</i> , 2018 , 9, 5236	17.4	193
135	Room-Temperature Activation of Molecular Oxygen Over a Metal-Free Triazine-Decorated sp ² -Carbon Framework for Green Synthesis. <i>ChemCatChem</i> , 2018 , 10, 5331-5335	5.2	2
134	Boosting Potassium Storage Capacity Based on Stress-Induced Size-Dependent Solid-Solution Behavior. <i>Advanced Energy Materials</i> , 2018 , 8, 1802175	21.8	20
133	Grouping Effect of Single Nickel-N Sites in Nitrogen-Doped Carbon Boosts Hydrogen Transfer Coupling of Alcohols and Amines. <i>Angewandte Chemie</i> , 2018 , 130, 15414-15418	3.6	3
132	Use of Nitrogen-Containing Carbon Supports To Control the Acidity of Supported Heteropolyacid Model Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 13999-14010	3.9	4
131	Grouping Effect of Single Nickel-N Sites in Nitrogen-Doped Carbon Boosts Hydrogen Transfer Coupling of Alcohols and Amines. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 15194-15198	16.4	33
130	Neuron-Inspired Design of High-Performance Electrode Materials for Sodium-Ion Batteries. <i>ACS Nano</i> , 2018 , 12, 11503-11510	16.7	64
129	Two Porous Polyoxometalate-Resorcin[4]arene-Based Supramolecular Complexes: Selective Adsorption of Organic Dyes and Electrochemical Properties. <i>Crystal Growth and Design</i> , 2018 , 18, 6046-6053 ²⁵		27

128	Engineering the Interfaces of Superadsorbing Graphene-Based Electrodes with Gas and Electrolyte to Boost Gas Evolution and Activation Reactions. <i>ChemSusChem</i> , 2018 , 11, 2306-2309	8.3	14
127	Non-Conjugated Dicarboxylate Anode Materials for Electrochemical Cells. <i>Angewandte Chemie</i> , 2018 , 130, 9003-9008	3.6	12
126	Non-Conjugated Dicarboxylate Anode Materials for Electrochemical Cells. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8865-8870	16.4	32
125	Atomic-Scale Mott-Schottky Heterojunctions of Boron Nitride Monolayer and Graphene as Metal-Free Photocatalysts for Artificial Photosynthesis. <i>Advanced Science</i> , 2018 , 5, 1800062	13.6	34
124	Carbonate decomposition: Low-overpotential Li-CO ₂ battery based on interlayer-confined monodisperse catalyst. <i>Energy Storage Materials</i> , 2018 , 15, 291-298	19.4	55
123	Accelerated room-temperature crystallization of ultrahigh-surface-area porous anatase titania by storing photogenerated electrons. <i>Chemical Communications</i> , 2017 , 53, 1619-1621	5.8	17
122	Mesoporous TS-1 Nanocrystals as Low Cost and High Performance Catalysts for Epoxidation of Styrene. <i>Chinese Journal of Chemistry</i> , 2017 , 35, 577-580	4.9	6
121	Janus Co/CoP Nanoparticles as Efficient Mott-Schottky Electrocatalysts for Overall Water Splitting in Wide pH Range. <i>Advanced Energy Materials</i> , 2017 , 7, 1602355	21.8	370
120	Ultrathin InO Nanosheets with Uniform Mesopores for Highly Sensitive Nitric Oxide Detection. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 16335-16342	9.5	80
119	Oxygen Vacancy Engineering of Co O Nanocrystals through Coupling with Metal Support for Water Oxidation. <i>ChemSusChem</i> , 2017 , 10, 2875-2879	8.3	64
118	Well-ordered mesoporous FeO/C composites as high performance anode materials for sodium-ion batteries. <i>Dalton Transactions</i> , 2017 , 46, 5025-5032	4.3	29
117	Activating Cobalt Nanoparticles via the Mott-Schottky Effect in Nitrogen-Rich Carbon Shells for Base-Free Aerobic Oxidation of Alcohols to Esters. <i>Journal of the American Chemical Society</i> , 2017 , 139, 811-818	16.4	266
116	The solution-phase process of a g-CN/BiVO ₄ dyad to a large-area photoanode: interfacial synergy for highly efficient water oxidation. <i>Chemical Communications</i> , 2017 , 53, 10544-10547	5.8	15
115	Uric Acid as an Electrochemically Active Compound for Sodium-Ion Batteries: Stepwise Na-Storage Mechanisms of Conjugation and Stabilized Carbon Anion. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 33934-33940	9.5	8
114	Constructing Ohmic contact in cobalt selenide/Ti dyadic electrode: The third aspect to promote the oxygen evolution reaction. <i>Nano Energy</i> , 2017 , 39, 321-327	17.1	28
113	Synthetic porous materials applied in hydrogenation reactions. <i>Microporous and Mesoporous Materials</i> , 2017 , 237, 246-259	5.3	35
112	A Composite of Carbon-Wrapped Mo ₂ C Nanoparticle and Carbon Nanotube Formed Directly on Ni Foam as a High-Performance Binder-Free Cathode for Li-O ₂ Batteries. <i>Advanced Functional Materials</i> , 2016 , 26, 8514-8520	15.6	68
111	Low-Overpotential Li-O ₂ Batteries Based on TFSI Intercalated Co ₃ Ni Layered Double Oxides. <i>Advanced Functional Materials</i> , 2016 , 26, 1365-1374	15.6	58

110	Programmable synthesis of mesoporous ZSM-5 nanocrystals as selective and stable catalysts for the methanol-to-propylene process. <i>Catalysis Science and Technology</i> , 2016 , 6, 5262-5266	5.5	18
109	Trapping oxygen in hierarchically porous carbon nano-nets: graphitic nitrogen dopants boost the electrocatalytic activity. <i>RSC Advances</i> , 2016 , 6, 56765-56771	3.7	7
108	Nitrogen-doped graphene microtubes with opened inner voids: Highly efficient metal-free electrocatalysts for alkaline hydrogen evolution reaction. <i>Nano Research</i> , 2016 , 9, 2606-2615	10	76
107	Encapsulating Palladium Nanoparticles Inside Mesoporous MFI Zeolite Nanocrystals for Shape-Selective Catalysis. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 9178-82	16.4	138
106	Enriching Co nanoparticles inside carbon nanofibers via nanoscale assembly of metal-organic complexes for highly efficient hydrogen evolution. <i>Nano Energy</i> , 2016 , 22, 79-86	17.1	59
105	Graphene-nanosheet-wrapped LiV3O8 nanocomposites as high performance cathode materials for rechargeable lithium-ion batteries. <i>Journal of Power Sources</i> , 2016 , 307, 426-434	8.9	35
104	Hydroquinone Resin Induced Carbon Nanotubes on Ni Foam As Binder-Free Cathode for Li-O2 Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 3868-73	9.5	26
103	Template-directed metal oxides for electrochemical energy storage. <i>Energy Storage Materials</i> , 2016 , 3, 1-17	19.4	43
102	Strategies to succeed in improving the lithium-ion storage properties of silicon nanomaterials. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 32-50	13	111
101	Ultra-durable two-electrode Zn ir secondary batteries based on bifunctional titania nanocatalysts: a Co ²⁺ dopant boosts the electrochemical activity. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 7841-7847	13	24
100	Activating Oxygen Molecules over Carbonyl-Modified Graphitic Carbon Nitride: Merging Supramolecular Oxidation with Photocatalysis in a Metal-Free Catalyst for Oxidative Coupling of Amines into Imines. <i>ChemCatChem</i> , 2016 , 8, 3441-3445	5.2	23
99	Nitrogen-doped carbon nets with micro/mesoporous structures as electrodes for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 16698-16705	13	68
98	Toward Lower Overpotential through Improved Electron Transport Property: Hierarchically Porous CoN Nanorods Prepared by Nitridation for Lithium-Oxygen Batteries. <i>Nano Letters</i> , 2016 , 16, 5902-8	11.5	37
97	Activating Pd nanoparticles on sol-gel prepared porous g-C ₃ N ₄ /SiO ₂ via enlarging the Schottky barrier for efficient dehydrogenation of formic acid. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 1124-1129	6.8	17
96	Nanoscale Kirkendall growth of silicalite-1 zeolite mesocrystals with controlled mesoporosity and size. <i>Chemical Communications</i> , 2015 , 51, 12563-6	5.8	27
95	Hierarchical carbon nanopapers coupled with ultrathin MoS ₂ nanosheets: Highly efficient large-area electrodes for hydrogen evolution. <i>Nano Energy</i> , 2015 , 15, 335-342	17.1	76
94	General transfer hydrogenation by activating ammonia-borane over cobalt nanoparticles. <i>RSC Advances</i> , 2015 , 5, 102736-102740	3.7	30
93	Surface and interface engineering of electrode materials for lithium-ion batteries. <i>Advanced Materials</i> , 2015 , 27, 527-45	24	344

92	Innenrücktitelbild: Wrinkled Graphene Monoliths as Superabsorbing Building Blocks for Superhydrophobic and Superhydrophilic Surfaces (Angew. Chem. 50/2015). <i>Angewandte Chemie</i> , 2015 , 127, 15515-15515	3.6	
91	Wrinkled Graphene Monoliths as Superabsorbing Building Blocks for Superhydrophobic and Superhydrophilic Surfaces. <i>Angewandte Chemie</i> , 2015 , 127, 15380-15384	3.6	13
90	Wrinkled Graphene Monoliths as Superabsorbing Building Blocks for Superhydrophobic and Superhydrophilic Surfaces. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 15165-9	16.4	35
89	Formation of a built-in field at the porphyrin/ITO interface directly proven by the time-resolved photovoltage technique. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 5202-6	3.6	3
88	Converting waste paper to multifunctional graphene-decorated carbon paper: from trash to treasure. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 13926-13932	13	28
87	Constructing holey graphene monoliths via supramolecular assembly: Enriching nitrogen heteroatoms up to the theoretical limit for hydrogen evolution reaction. <i>Nano Energy</i> , 2015 , 15, 567-575 ^{17.1}		51
86	Preparation of Porous Silicon by Sodiothermic Reduction of Zeolite and Photoactivation for Benzene Oxidation. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 1330-1333	2.3	4
85	Multifunctional Au Nanocatalyst for Highly Efficient Hydrolysis of Ammonia Borane. <i>ACS Catalysis</i> , 2015 , 5, 388-392	13.1	111
84	Anchoring Cobalt Nanocrystals through the Plane of Graphene: Highly Integrated Electrocatalyst for Oxygen Reduction Reaction. <i>Chemistry of Materials</i> , 2015 , 27, 544-549	9.6	89
83	In situ catalytic growth of large-area multilayered graphene/MoS ₂ heterostructures. <i>Scientific Reports</i> , 2014 , 4, 4673	4.9	51
82	Strongly veined carbon nanoleaves as a highly efficient metal-free electrocatalyst. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 6905-9	16.4	148
81	Li ₄ Ti ₅ O ₁₂ /TiO ₂ hollow spheres composed nanoflakes with preferentially exposed Li ₄ Ti ₅ O ₁₂ (011) facets for high-rate lithium ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 19791-6	9.5	58
80	Chemical "top-down" synthesis of amphiphilic superparamagnetic Fe ₃ O ₄ nanobelts from exfoliated FeOCl layers. <i>Dalton Transactions</i> , 2014 , 43, 16173-7	4.3	12
79	Lithiation mechanism of hierarchical porous MoO ₂ nanotubes fabricated through one-step carbothermal reduction. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 80-86	13	67
78	The crystallinity effect of mesocrystalline BaZrO ₃ hollow nanospheres on charge separation for photocatalysis. <i>Chemical Communications</i> , 2014 , 50, 3021-3	5.8	22
77	In situ growth of ultrafine tin oxide nanocrystals embedded in graphitized carbon nanosheets for use in high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 6960-6965	13	12
76	Room-temperature transfer hydrogenation and fast separation of unsaturated compounds over heterogeneous catalysts in an aqueous solution of formic acid. <i>Green Chemistry</i> , 2014 , 16, 3746-3751	10	68
75	Strongly Veined Carbon Nanoleaves as a Highly Efficient Metal-Free Electrocatalyst. <i>Angewandte Chemie</i> , 2014 , 126, 7025-7029	3.6	43

74	Surface binding of polypyrrole on porous silicon hollow nanospheres for Li-ion battery anodes with high structure stability. <i>Advanced Materials</i> , 2014 , 26, 6145-50	24	201
73	Self-modification of titanium dioxide materials by Ti ³⁺ and/or oxygen vacancies: new insights into defect chemistry of metal oxides. <i>RSC Advances</i> , 2014 , 4, 13979-13988	3.7	84
72	Supramolecular nano-assemblies with tailorable surfaces: recyclable hard templates for engineering hollow nanocatalysts. <i>Science China Materials</i> , 2014 , 57, 7-12	7.1	6
71	MOFs of Uranium and the Actinides. <i>Structure and Bonding</i> , 2014 , 265-295	0.9	67
70	Photochemically engineering the metal-semiconductor interface for room-temperature transfer hydrogenation of nitroarenes with formic acid. <i>Chemistry - A European Journal</i> , 2014 , 20, 16732-7	4.8	40
69	MoO ₂ /Mo ₂ C Heteronanotubes Function as High-Performance Li-Ion Battery Electrode. <i>Advanced Functional Materials</i> , 2014 , 24, 3399-3404	15.6	160
68	Bio-inspired noble metal-free reduction of nitroarenes using NiS _{2+x} /g-C ₃ N ₄ . <i>RSC Advances</i> , 2014 , 4, 60837-60847	3.7	17
67	Room-temperature spontaneous crystallization of porous amorphous titania into a high-surface-area anatase photocatalyst. <i>Chemical Communications</i> , 2013 , 49, 8217-9	5.8	35
66	Facile preparation and cellular imaging of photoluminescent carbogenic nanoparticles derived from defoliations. <i>Chemical Research in Chinese Universities</i> , 2013 , 29, 189-192	2.2	1
65	Uniform hierarchical MoO ₂ /carbon spheres with high cycling performance for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 12038	13	54
64	Porous titania with heavily self-doped Ti ³⁺ for specific sensing of CO at room temperature. <i>Inorganic Chemistry</i> , 2013 , 52, 5924-30	5.1	89
63	Highly efficient dehydrogenation of formic acid over a palladium-nanoparticle-based Mott-Schottky photocatalyst. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 11822-5	16.4	180
62	Distinct effect of hierarchical structure on performance of anatase as an anode material for lithium-ion batteries. <i>RSC Advances</i> , 2013 , 3, 26052	3.7	6
61	Efficient oxygen evolution reaction catalyzed by low-density Ni-doped Co ₃ O ₄ nanomaterials derived from metal-embedded graphitic C ₃ N ₄ . <i>Chemical Communications</i> , 2013 , 49, 7522-4	5.8	194
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