Juan Su

List of Publications by Citations

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	Metal-free activation of dioxygen by graphene/g-C3N4 nanocomposites: functional dyads for selective oxidation of saturated hydrocarbons. *Journal of the American Chemical Society*, **2011**, 133, 8074-7	16.4	505
198	Janus Co/CoP Nanoparticles as Efficient Mott–Schottky Electrocatalysts for Overall Water Splitting in Wide pH Range. *Advanced Energy Materials*, **2017**, 7, 1602355	21.8	370
197	Surface and interface engineering of electrode materials for lithium-ion batteries. *Advanced Materials*, **2015**, 27, 527-45	24	344
196	Extended structures and physicochemical properties of uranyl-organic compounds. *Accounts of Chemical Research*, **2011**, 44, 531-40	24.3	342
195	Synthesis, structure, and photoelectronic effects of a uranium-zinc-organic coordination polymer containing infinite metal oxide sheets. *Journal of the American Chemical Society*, **2003**, 125, 9266-7	16.4	294
194	Activating Cobalt Nanoparticles via the Mott-Schottky Effect in Nitrogen-Rich Carbon Shells for Base-Free Aerobic Oxidation of Alcohols to Esters. *Journal of the American Chemical Society*, **2017**, 139, 811-818	16.4	266
193	Corrosion engineering towards efficient oxygen evolution electrodes with stable catalytic activity for over 6000 hours. *Nature Communications*, **2018**, 9, 2609	17.4	244
192	Water-insoluble Ag-U-organic assemblies with photocatalytic activity. *Chemistry - A European Journal*, **2005**, 11, 2642-50	4.8	236
191	Macroporous V2O5–BiVO4 Composites: Effect of Heterojunction on the Behavior of Photogenerated Charges. *Journal of Physical Chemistry C*, **2011**, 115, 8064-8071	3.8	228
190	Carbon-Coated V2O5 Nanocrystals as High Performance Cathode Material for Lithium Ion Batteries. *Chemistry of Materials*, **2011**, 23, 5290-5292	9.6	213
189	Preparation, structures, and photocatalytic properties of three new uranyl-organic assembly compounds. *Inorganic Chemistry*, **2008**, 47, 4844-53	5.1	205
188	Surface binding of polypyrrole on porous silicon hollow nanospheres for Li-ion battery anodes with high structure stability. *Advanced Materials*, **2014**, 26, 6145-50	24	201
187	Efficient oxygen evolution reaction catalyzed by low-density Ni-doped Co3O4 nanomaterials derived from metal-embedded graphitic C3N4. *Chemical Communications*, **2013**, 49, 7522-4	5.8	194
186	Efficient oxygen evolution electrocatalysis in acid by a perovskite with face-sharing IrO octahedral dimers. *Nature Communications*, **2018**, 9, 5236	17.4	193
185	Highly efficient dehydrogenation of formic acid over a palladium-nanoparticle-based Mott-Schottky photocatalyst. *Angewandte Chemie - International Edition*, **2013**, 52, 11822-5	16.4	180
184	Electrochemical Reduction of N into NH by Donor-Acceptor Couples of Ni and Au Nanoparticles with a 67.8% Faradaic Efficiency. *Journal of the American Chemical Society*, **2019**, 141, 14976-14980	16.4	178
183	MoO2/Mo2C Heteronanotubes Function as High-Performance Li-Ion Battery Electrode. *Advanced Functional Materials*, **2014**, 24, 3399-3404	15.6	160

182	Strongly veined carbon nanoleaves as a highly efficient metal-free electrocatalyst. *Angewandte Chemie - International Edition*, **2014**, 53, 6905-9	16.4	148
181	Direct conversion of urea into graphitic carbon nitride over mesoporous TiO2 spheres under mild condition. *Chemical Communications*, **2011**, 47, 1066-8	5.8	140
180	Efficient sunlight-driven dehydrogenative coupling of methane to ethane over a Zn(+)-modified zeolite. *Angewandte Chemie - International Edition*, **2011**, 50, 8299-303	16.4	139
179	Encapsulating Palladium Nanoparticles Inside Mesoporous MFI Zeolite Nanocrystals for Shape-Selective Catalysis. *Angewandte Chemie - International Edition*, **2016**, 55, 9178-82	16.4	138
178	Synthesis of amphiphilic superparamagnetic ferrite/block copolymer hollow submicrospheres. *Journal of the American Chemical Society*, **2006**, 128, 8382-3	16.4	136
177	Facile synthesis of thermal- and photostable titania with paramagnetic oxygen vacancies for visible-light photocatalysis. *Chemistry - A European Journal*, **2013**, 19, 2866-73	4.8	124
176	Boosting selective nitrogen reduction to ammonia on electron-deficient copper nanoparticles. *Nature Communications*, **2019**, 10, 4380	17.4	117
175	2D/2D Heterojunctions for Catalysis. *Advanced Science*, **2019**, 6, 1801702	13.6	115
174	Strategies to succeed in improving the lithium-ion storage properties of silicon nanomaterials. *Journal of Materials Chemistry A*, **2016**, 4, 32-50	13	111
173	Multifunctional Au Nanocatalyst for Highly Efficient Hydrolysis of Ammonia Borane. *ACS Catalysis*, **2015**, 5, 388-392	13.1	111
172	Syntheses and photoluminescent properties of two uranyl-containing compounds with extended structures. *Polyhedron*, **2006**, 25, 1359-1366	2.7	97
171	Porous titania with heavily self-doped Ti3+ for specific sensing of CO at room temperature. *Inorganic Chemistry*, **2013**, 52, 5924-30	5.1	89
170	Anchoring Cobalt Nanocrystals through the Plane of Graphene: Highly Integrated Electrocatalyst for Oxygen Reduction Reaction. *Chemistry of Materials*, **2015**, 27, 544-549	9.6	89
169	Self-modification of titanium dioxide materials by Ti3+ and/or oxygen vacancies: new insights into defect chemistry of metal oxides. *RSC Advances*, **2014**, 4, 13979-13988	3.7	84
168	Ultrathin InO Nanosheets with Uniform Mesopores for Highly Sensitive Nitric Oxide Detection. *ACS Applied Materials & Interfaces*, **2017**, 9, 16335-16342	9.5	80
167	Vinylene-Bridged Two-Dimensional Covalent Organic Frameworks via Knoevenagel Condensation of Tricyanomesitylene. *Journal of the American Chemical Society*, **2020**, 142, 11893-11900	16.4	78
166	Hierarchical carbon nanopapers coupled with ultrathin MoS2 nanosheets: Highly efficient large-area electrodes for hydrogen evolution. *Nano Energy*, **2015**, 15, 335-342	17.1	76
165	Nitrogen-doped graphene microtubes with opened inner voids: Highly efficient metal-free electrocatalysts for alkaline hydrogen evolution reaction. *Nano Research*, **2016**, 9, 2606-2615	10	76

164	Strategies toward High-Performance Cathode Materials for Lithium-Oxygen Batteries. *Small*, **2018**, 14, e1800078	11	73
163	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. *Journal of the American Chemical Society*, **2019**, 141, 38-41	16.4	72
162	Construction of Three-Dimensional Uranyl□Organic Frameworks with Benzenetricarboxylate Ligands. *European Journal of Inorganic Chemistry*, **2010**, 2010, 3780-3788	2.3	70
161	A Composite of Carbon-Wrapped Mo2C Nanoparticle and Carbon Nanotube Formed Directly on Ni Foam as a High-Performance Binder-Free Cathode for Li-O2 Batteries. *Advanced Functional Materials*, **2016**, 26, 8514-8520	15.6	68
160	Room-temperature transfer hydrogenation and fast separation of unsaturated compounds over heterogeneous catalysts in an aqueous solution of formic acid. *Green Chemistry*, **2014**, 16, 3746-3751	10	68
159	Nitrogen-doped carbon nets with micro/mesoporous structures as electrodes for high-performance supercapacitors. *Journal of Materials Chemistry A*, **2016**, 4, 16698-16705	13	68
158	Lithiation mechanism of hierarchical porous MoO2 nanotubes fabricated through one-step carbothermal reduction. *Journal of Materials Chemistry A*, **2014**, 2, 80-86	13	67
157	MOFs of Uranium and the Actinides. *Structure and Bonding*, **2014**, 265-295	0.9	67
156	Uranyl pyridine-dicarboxylate compounds with clustered water molecules. *Inorganic Chemistry Communication*, **2006**, 9, 595-598	3.1	65
155	Oxygen Vacancy Engineering of Co O Nanocrystals through Coupling with Metal Support for Water Oxidation. *ChemSusChem*, **2017**, 10, 2875-2879	8.3	64
154	A graphene-wrapped silver□porous silicon composite with enhanced electrochemical performance for lithium-ion batteries. *Journal of Materials Chemistry A*, **2013**, 1, 13648	13	64
153	Neuron-Inspired Design of High-Performance Electrode Materials for Sodium-Ion Batteries. *ACS Nano*, **2018**, 12, 11503-11510	16.7	64
152	Formation of Single-Crystalline CuS Nanoplates Vertically Standing on Flat Substrate. *Crystal Growth and Design*, **2007**, 7, 2265-2267	3.5	63
151	Assembly of a manganese(II) pyridine-3,4-dicarboxylate polymeric network based on infinite Mn□□□ chains. *Dalton Transactions*, **2003**, 28-30	4.3	62
150	Enriching Co nanoparticles inside carbon nanofibers via nanoscale assembly of metal□organic complexes for highly efficient hydrogen evolution. *Nano Energy*, **2016**, 22, 79-86	17.1	59
149	Multistaged discharge constructing heterostructure with enhanced solid-solution behavior for long-life lithium-oxygen batteries. *Nature Communications*, **2019**, 10, 5810	17.4	59
148	Tuning the Adsorption Energy of Methanol Molecules Along Ni-N-Doped Carbon Phase Boundaries by the Mott-Schottky Effect for Gas-Phase Methanol Dehydrogenation. *Angewandte Chemie - International Edition*, **2018**, 57, 2697-2701	16.4	58
147	Low-Overpotential Li□O2 Batteries Based on TFSI Intercalated Co□□i Layered Double Oxides. *Advanced Functional Materials*, **2016**, 26, 1365-1374	15.6	58

146	Li4Ti5O12/TiO2 hollow spheres composed nanoflakes with preferentially exposed Li4Ti5O12 (011) facets for high-rate lithium ion batteries. *ACS Applied Materials & Interfaces*, **2014**, 6, 19791-6	9.5	58
145	Synthesis of uranium oxide nanoparticles and their catalytic performance for benzyl alcohol conversion to benzaldehyde. *Journal of Materials Chemistry*, **2008**, 18, 1146		57
144	The first organo-templated cobalt phosphate with a zeolite topology. *Inorganic Chemistry*, **2000**, 39, 1476-9	5.1	57
143	Synthesis and photocatalytic activity of porous anatase TiO(2) microspheres composed of {010}-faceted nanobelts. *Dalton Transactions*, **2013**, 42, 4365-8	4.3	55
142	Carbonate decomposition: Low-overpotential Li-CO2 battery based on interlayer-confined monodisperse catalyst. *Energy Storage Materials*, **2018**, 15, 291-298	19.4	55
141	Uniform hierarchical MoO2/carbon spheres with high cycling performance for lithium ion batteries. *Journal of Materials Chemistry A*, **2013**, 1, 12038	13	54
140	Highly Efficient Dehydrogenation of Formic Acid over a Palladium-Nanoparticle-Based Mott–Schottky Photocatalyst. *Angewandte Chemie*, **2013**, 125, 12038-12041	3.6	54
139	Synthesis, structure characterization and photocatalytic properties of two new uranyl naphthalene-dicarboxylate coordination polymer compounds. *Inorganic Chemistry Communication*, **2010**, 13, 1542-1547	3.1	54
138	Free-Standing Air Cathodes Based on 3D Hierarchically Porous Carbon Membranes: Kinetic Overpotential of Continuous Macropores in Li-O Batteries. *Angewandte Chemie - International Edition*, **2018**, 57, 6825-6829	16.4	52
137	Controlled growth and photocatalytic properties of CdS nanocrystals implanted in layered metal hydroxide matrixes. *Journal of Physical Chemistry B*, **2005**, 109, 21602-7	3.4	52
136	In situ catalytic growth of large-area multilayered graphene/MoS2 heterostructures. *Scientific Reports*, **2014**, 4, 4673	4.9	51
135	Constructing holey graphene monoliths via supramolecular assembly: Enriching nitrogen heteroatoms up to the theoretical limit for hydrogen evolution reaction. *Nano Energy*, **2015**, 15, 567-575	17.1	51
134	A green chemistry of graphene: photochemical reduction towards monolayer graphene sheets and the role of water adlayers. *ChemSusChem*, **2012**, 5, 642-6	8.3	51
133	Fabrication and Growth Mechanism of Selenium and Tellurium Nanobelts through a Vacuum Vapor Deposition Route. *Journal of Physical Chemistry C*, **2007**, 111, 12926-12932	3.8	51
132	Heterometal alkoxides as precursors for the preparation of porous Fe- and Mn-TiO2 photocatalysts with high efficiencies. *Chemistry - A European Journal*, **2008**, 14, 11123-31	4.8	50
131	Nitrogen-doped carbon nanotube sponge with embedded Fe/Fe3C nanoparticles as binder-free cathodes for high capacity lithium–sulfur batteries. *Journal of Materials Chemistry A*, **2018**, 6, 17473-17480	13	49
130	Polarized few-layer g-C3N4 as metal-free electrocatalyst for highly efficient reduction of CO2. *Nano Research*, **2018**, 11, 2450-2459	10	47
129	A uranium–zinc–organic molecular compound containing planar tetranuclear uranyl units. *Dalton Transactions*, **2003**, 4219-4220	4.3	47

128	Mesoporous titania rods as an anode material for high performance lithium-ion batteries. *Journal of Power Sources*, **2012**, 214, 298-302	8.9	46
127	Hierarchical Li4Ti5O12/TiO2 composite tubes with regular structural imperfection for lithium ion storage. *Scientific Reports*, **2013**, 3, 3490	4.9	45
126	Light-induced formation of porous TiO2 with superior electron-storing capacity. *Chemical Communications*, **2010**, 46, 2112-4	5.8	45
125	Template-directed metal oxides for electrochemical energy storage. *Energy Storage Materials*, **2016**, 3, 1-17	19.4	43
124	Strongly Veined Carbon Nanoleaves as a Highly Efficient Metal-Free Electrocatalyst. *Angewandte Chemie*, **2014**, 126, 7025-7029	3.6	43
123	A precursor route to single-crystalline WO3 nanoplates with an uneven surface and enhanced sensing properties. *Dalton Transactions*, **2012**, 41, 9773-80	4.3	43
122	Photoluminescent and photovoltaic properties observed in a zinc borate Zn2(OH)BO3. *Journal of Materials Chemistry*, **2003**, 13, 2227-2233		43
121	Photochemically engineering the metal-semiconductor interface for room-temperature transfer hydrogenation of nitroarenes with formic acid. *Chemistry - A European Journal*, **2014**, 20, 16732-7	4.8	40
120	Efficient Sunlight-Driven Dehydrogenative Coupling of Methane to Ethane over a Zn+-Modified Zeolite. *Angewandte Chemie*, **2011**, 123, 8449-8453	3.6	40
119	Toward Lower Overpotential through Improved Electron Transport Property: Hierarchically Porous CoN Nanorods Prepared by Nitridation for Lithium-Oxygen Batteries. *Nano Letters*, **2016**, 16, 5902-8	11.5	37
118	Graphene-nanosheet-wrapped LiV3O8 nanocomposites as high performance cathode materials for rechargeable lithium-ion batteries. *Journal of Power Sources*, **2016**, 307, 426-434	8.9	35
117	Room-temperature spontaneous crystallization of porous amorphous titania into a high-surface-area anatase photocatalyst. *Chemical Communications*, **2013**, 49, 8217-9	5.8	35
116	Synthetic porous materials applied in hydrogenation reactions. *Microporous and Mesoporous Materials*, **2017**, 237, 246-259	5.3	35
115	Wrinkled Graphene Monoliths as Superabsorbing Building Blocks for Superhydrophobic and Superhydrophilic Surfaces. *Angewandte Chemie - International Edition*, **2015**, 54, 15165-9	16.4	35
114	Atomic-Scale Mott-Schottky Heterojunctions of Boron Nitride Monolayer and Graphene as Metal-Free Photocatalysts for Artificial Photosynthesis. *Advanced Science*, **2018**, 5, 1800062	13.6	34
113	Grouping Effect of Single Nickel-N Sites in Nitrogen-Doped Carbon Boosts Hydrogen Transfer Coupling of Alcohols and Amines. *Angewandte Chemie - International Edition*, **2018**, 57, 15194-15198	16.4	33
112	Hierarchical porous carbon spheres as an anode material for lithium ion batteries. *RSC Advances*, **2013**, 3, 10823	3.7	32
111	Non-Conjugated Dicarboxylate Anode Materials for Electrochemical Cells. *Angewandte Chemie - International Edition*, **2018**, 57, 8865-8870	16.4	32

110	General transfer hydrogenation by activating ammonia-borane over cobalt nanoparticles. *RSC Advances*, **2015**, 5, 102736-102740	3.7	30
109	Oxygen vacancy-rich, Ru-doped In2O3 ultrathin nanosheets for efficient detection of xylene at low temperature. *Journal of Materials Chemistry C*, **2018**, 6, 4156-4162	7.1	30
108	Well-ordered mesoporous FeO/C composites as high performance anode materials for sodium-ion batteries. *Dalton Transactions*, **2017**, 46, 5025-5032	4.3	29
107	Mixed-bonded open-framework aluminophosphates and related layered materials. *Topics in Catalysis*, **1999**, 9, 93-103	2.3	29
106	Germanium nanoparticles supported by 3D ordered macroporous nickel frameworks as high-performance free-standing anodes for Li-ion batteries. *Chemical Engineering Journal*, **2018**, 354, 616-622	14.7	28
105	Constructing Ohmic contact in cobalt selenide/Ti dyadic electrode: The third aspect to promote the oxygen evolution reaction. *Nano Energy*, **2017**, 39, 321-327	17.1	28
104	Converting waste paper to multifunctional graphene-decorated carbon paper: from trash to treasure. *Journal of Materials Chemistry A*, **2015**, 3, 13926-13932	13	28
103	Porous vanadium-doped titania with active hydrogen: a renewable reductant for chemoselective hydrogenation of nitroarenes under ambient conditions. *Chemical Communications*, **2012**, 48, 9032-4	5.8	28
102	Synthesis and X-ray crystal structures of two new alkaline-earth metal borates: SrBO2(OH) and Ba3B6O9(OH)6. *Dalton Transactions RSC*, **2002**, 2031-2035		28
101	Hydrothermal synthesis and photoluminesent properties of Sb3+-doped and (Sb3+,Mn2+)-co-doped calcium hydroxyapatite. *Journal of Materials Chemistry*, **2002**, 12, 3761-3765		28
100	Electrocatalyst design for aprotic Li□O2 batteries. *Energy and Environmental Science*, **2020**, 13, 4717-4737	35.4	28
99	Nanoscale Kirkendall growth of silicalite-1 zeolite mesocrystals with controlled mesoporosity and size. *Chemical Communications*, **2015**, 51, 12563-6	5.8	27
98	Polyether-grafted SnO2 nanoparticles designed for solid polymer electrolytes with long-term stability. *Journal of Materials Chemistry*, **2004**, 14, 2775		27
97	Two Porous Polyoxometalate-Resorcin[4]arene-Based Supramolecular Complexes: Selective Adsorption of Organic Dyes and Electrochemical Properties. *Crystal Growth and Design*, **2018**, 18, 6046-6053	3.5	27
96	Hydroquinone Resin Induced Carbon Nanotubes on Ni Foam As Binder-Free Cathode for Li-O2 Batteries. *ACS Applied Materials & Interfaces*, **2016**, 8, 3868-73	9.5	26
95	A Polyimide Nanolayer as a Metal-Free and Durable Organic Electrode Toward Highly Efficient Oxygen Evolution. *Angewandte Chemie - International Edition*, **2018**, 57, 12563-12566	16.4	26
94	Ultra-durable two-electrode Zn–air secondary batteries based on bifunctional titania nanocatalysts: a Co2+ dopant boosts the electrochemical activity. *Journal of Materials Chemistry A*, **2016**, 4, 7841-7847	13	24
93	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. *ChemCatChem*, **2016**, 8, 3441-3445	5.2	23

92	The crystallinity effect of mesocrystalline BaZrO3 hollow nanospheres on charge separation for photocatalysis. *Chemical Communications*, **2014**, 50, 3021-3	5.8	22
91	Toward Hydrogen-Free and Dendrite-Free Aqueous Zinc Batteries: Formation of Zincophilic Protective Layer on Zn Anodes.. *Advanced Science*, **2022**, e2104866	13.6	22
90	Cerium vanadate nanoparticles as a new anode material for lithium ion batteries. *RSC Advances*, **2013**, 3, 7403	3.7	21
89	Effect of Surface Cations on Photoelectric Conversion Property of Nanosized Zirconia. *Journal of Physical Chemistry C*, **2009**, 113, 9114-9120	3.8	21
88	Enhanced oxygen electroreduction over nitrogen-free carbon nanotube-supported CuFeO2 nanoparticles. *Journal of Materials Chemistry A*, **2018**, 6, 4331-4336	13	20
87	Controlled growth of Sb2O5 nanoparticles and their use as polymer electrolyte fillers. *Journal of Materials Chemistry*, **2003**, 13, 1994-1998		20
86	Boosting the Zn-ion transfer kinetics to stabilize the Zn metal interface for high-performance rechargeable Zn-ion batteries. *Journal of Materials Chemistry A*, **2021**, 9, 16814-16823	13	20
85	Boosting Potassium Storage Capacity Based on Stress-Induced Size-Dependent Solid-Solution Behavior. *Advanced Energy Materials*, **2018**, 8, 1802175	21.8	20
84	Programmable synthesis of mesoporous ZSM-5 nanocrystals as selective and stable catalysts for the methanol-to-propylene process. *Catalysis Science and Technology*, **2016**, 6, 5262-5266	5.5	18
83	Phenoxymethylpenicillin□ntercalated hydrotalcite as a bacteria inhibitor. *Journal of Chemical Technology and Biotechnology*, **2006**, 81, 89-93	3.5	18
82	Synthesis of Ionic Vinylene-Linked Covalent Organic Frameworks through Quaternization-Activated Knoevenagel Condensation. *Angewandte Chemie - International Edition*, **2021**, 60, 13614-13620	16.4	18
81	Accelerated room-temperature crystallization of ultrahigh-surface-area porous anatase titania by storing photogenerated electrons. *Chemical Communications*, **2017**, 53, 1619-1621	5.8	17
80	Free-Standing Air Cathodes Based on 3D Hierarchically Porous Carbon Membranes: Kinetic Overpotential of Continuous Macropores in Li-O2 Batteries. *Angewandte Chemie*, **2018**, 130, 6941-6945	3.6	17
79	Light-driven transformation of ZnS-cyclohexylamine nanocomposite into zinc hydroxysulfate: a photochemical route to inorganic nanosheets. *Inorganic Chemistry*, **2011**, 50, 9106-13	5.1	17
78	Activating Pd nanoparticles on sol□gel prepared porous g-C3N4/SiO2via enlarging the Schottky barrier for efficient dehydrogenation of formic acid. *Inorganic Chemistry Frontiers*, **2016**, 3, 1124-1129	6.8	17
77	Single-site photocatalysts with a porous structure. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2012**, 468, 2099-2112	2.4	16
76	The solution-phase process of a g-CN/BiVO dyad to a large-area photoanode: interfacial synergy for highly efficient water oxidation. *Chemical Communications*, **2017**, 53, 10544-10547	5.8	15
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74	Light-Driven Preparation, Microstructure, and Visible-Light Photocatalytic Property of Porous Carbon-Doped TiO2. *International Journal of Photoenergy*, **2012**, 2012, 1-9	2.1	15
73	Synthesis and structural characterisation of a new layered aluminophosphate [C3H12N2][Al2P2O8(OH)2]·H2O. *Dalton Transactions RSC*, **2000**, 1981-1984		15
72	Thiophene Derivative as a High Electrochemical Active Anode Material for Sodium-Ion Batteries: The Effect of Backbone Sulfur. *Chemistry of Materials*, **2018**, 30, 8426-8430	9.6	15
71	Tuning the Adsorption Energy of Methanol Molecules Along Ni-N-Doped Carbon Phase Boundaries by the Mott–Schottky Effect for Gas-Phase Methanol Dehydrogenation. *Angewandte Chemie*, **2018**, 130, 2727-2731	3.6	14
70	Synergistic Effect on the Photoactivation of the Methane C?H Bond over Ga3+-Modified ETS-10. *Angewandte Chemie*, **2012**, 124, 4780-4784	3.6	14
69	{M(C5H4N)CH(OH)PO3}(H2O) (M = Mn, Fe, Co): layered compounds based on [hydroxy(4-pyridyl)methyl]phosphonate. *Dalton Transactions*, **2003**, 953-956	4.3	14
68	Engineering the Interfaces of Superadsorbing Graphene-Based Electrodes with Gas and Electrolyte to Boost Gas Evolution and Activation Reactions. *ChemSusChem*, **2018**, 11, 2306-2309	8.3	14
67	Schottky Barrier-Induced Surface Electric Field Boosts Universal Reduction of NO in Water to Ammonia. *Angewandte Chemie - International Edition*, **2021**, 60, 20711-20716	16.4	14
66	MoS2 nanoflakes integrated in a 3D carbon framework for high-performance sodium-ion batteries. *Journal of Alloys and Compounds*, **2019**, 797, 1126-1132	5.7	13
65	Wrinkled Graphene Monoliths as Superabsorbing Building Blocks for Superhydrophobic and Superhydrophilic Surfaces. *Angewandte Chemie*, **2015**, 127, 15380-15384	3.6	13
64	Oriented arrays of CoO nanoneedles for highly efficient electrocatalytic water oxidation. *Chemical Communications*, **2019**, 55, 3971-3974	5.8	13
63	3D ordered macroporous MoO2 attached on carbonized cloth for high performance free-standing binder-free lithium–sulfur electrodes. *Journal of Materials Chemistry A*, **2019**, 7, 24524-24531	13	13
62	Free-standing N,Co-codoped TiO2 nanoparticles for LiO2-based Li–O2 batteries. *Journal of Materials Chemistry A*, **2019**, 7, 23046-23054	13	12
61	Synergy of Fe-N4 and non-coordinated boron atoms for highly selective oxidation of amine into nitrile. *Nano Research*, **2020**, 13, 2079-2084	10	12
60	Boosting the electrochemical performance of Li–O2 batteries with DPPH redox mediator and graphene-luteolin-protected lithium anode. *Energy Storage Materials*, **2020**, 31, 373-381	19.4	12
59	Chemical "top-down" synthesis of amphiphilic superparamagnetic Fe3O4 nanobelts from exfoliated FeOCl layers. *Dalton Transactions*, **2014**, 43, 16173-7	4.3	12
58	In situ growth of ultrafine tin oxide nanocrystals embedded in graphitized carbon nanosheets for use in high-performance lithium-ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 6960-6965	13	12
57	Sensor material based on occluded trisulfur anionic radicals for convenient detection of trace amounts of water molecules. *Journal of Materials Chemistry*, **2010**, 20, 3307		12

56	Synthesis, structures and photoluminescence of two Er(III) coordination polymers. *Journal of Coordination Chemistry*, **2008**, 61, 945-955	1.6	12
55	Isoelectric Si Heteroatoms as Electron Traps for N2 Fixation and Activation. *Advanced Functional Materials*, **2020**, 30, 2005779	15.6	12
54	Enhanced Electrochemical Performance of Aprotic Li-CO Batteries with a Ruthenium-Complex-Based Mobile Catalyst. *Angewandte Chemie - International Edition*, **2021**, 60, 16404-16408	16.4	12
53	Non-Conjugated Dicarboxylate Anode Materials for Electrochemical Cells. *Angewandte Chemie*, **2018**, 130, 9003-9008	3.6	12
52	Core-shell anatase anode materials for sodium-ion batteries: the impact of oxygen vacancies and nitrogen-doped carbon coating. *Nanoscale*, **2019**, 11, 17860-17868	7.7	10
51	Sodium phthalate as an anode material for sodium ion batteries: effect of the bridging carbonyl group. *Journal of Materials Chemistry A*, **2020**, 8, 8469-8475	13	10
50	Mono-Atomic Fe Centers in Nitrogen/Carbon Monolayers for Liquid-Phase Selective Oxidation Reaction. *ChemCatChem*, **2018**, 10, 3539-3545	5.2	9
49	A Polyimide Nanolayer as a Metal-Free and Durable Organic Electrode Toward Highly Efficient Oxygen Evolution. *Angewandte Chemie*, **2018**, 130, 12743-12746	3.6	9
48	Synthesis, structure and photoluminescence of two zinc carboxylate polymers with different coordination architectures. *Chinese Journal of Chemistry*, **2010**, 21, 1305-1308	4.9	9
47	Heteroatom-Embedded Approach to Vinylene-Linked Covalent Organic Frameworks with Isoelectronic Structures for Photoredox Catalysis. *Angewandte Chemie - International Edition*, **2021**,	16.4	9
46	Photogenerated singlet oxygen over zeolite-confined carbon dots for shape selective catalysis. *Science China Chemistry*, **2019**, 62, 434-439	7.9	9
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