Kai-Xue Wang

List of Publications by Year in Descending Order

152 papers	8,635 citations	51 h-index	89 g-index
155 ext. papers	9,703 ext. citations	9.6 avg, IF	6.32 L-index

#	Paper	IF	Citations
152	Toward Hydrogen-Free and Dendrite-Free Aqueous Zinc Batteries: Formation of Zincophilic Protective Layer on Zn Anodes.. *Advanced Science*, **2022**, e2104866	13.6	22
151	Dendrite-free lithium anode achieved under lean-electrolyte condition through the modification of separators with F-functionalized Ti3C2 nanosheets. *Journal of Energy Chemistry*, **2022**, 66, 366-373	12	2
150	Towards High-performance Lithium-Sulfur Batteries: the Modification of Polypropylene Separator by 3D Porous Carbon Structure Embedded with Fe3C/Fe Nanoparticles. *Chemical Research in Chinese Universities*, **2022**, 38, 147-154	2.2	2
149	Highly Reversible Zinc Anode Enabled by a Cation-Exchange Coating with Zn-Ion Selective Channels.. *ACS Nano*, **2022**,	16.7	4
148	Isolated copper-tin atomic interfaces tuning electrocatalytic CO conversion. *Nature Communications*, **2021**, 12, 1449	17.4	36
147	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
146	Enhanced Electrochemical Performance of Aprotic Li-CO2 Batteries with a Ruthenium-Complex-Based Mobile Catalyst. *Angewandte Chemie*, **2021**, 133, 16540-16544	3.6	2
145	Towards high performance lithium-oxygen batteries: Co3O4-NiO heterostructure induced preferential growth of ultrathin Li2O2 film. *Journal of Alloys and Compounds*, **2021**, 863, 158073	5.7	0
144	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
143	Thiophene derivatives as electrode materials for high-performance sodium-ion batteries. *Journal of Materials Chemistry A*, **2021**, 9, 11530-11536	13	1
142	Construction of Large Non-Localized π-Electron System for Enhanced Sodium-Ion Storage. *Small*, **2021**, e2105825	11	0
141	Recent progress on germanium-based anodes for lithium ion batteries: Efficient lithiation strategies and mechanisms. *Energy Storage Materials*, **2020**, 30, 146-169	19.4	32
140	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
139	Cooperative Effect of Multiple Active Sites and Hierarchical Chemical Bonds in Metal–Organic Compounds for Improving Cathode Performance. *ACS Energy Letters*, **2020**, 5, 477-485	20.1	4
138	Cu2SnSe3/CNTs Composite as a Promising Anode Material for Sodium-ion Batteries. *Chemical Research in Chinese Universities*, **2020**, 36, 91-96	2.2	10
137	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
136	Surface engineering donor and acceptor sites with enhanced charge transport for low-overpotential lithium–oxygen batteries. *Energy Storage Materials*, **2020**, 25, 52-61	19.4	14

135	Electrocatalyst design for aprotic Li□O2 batteries. *Energy and Environmental Science*, **2020**, 13, 4717-4737	35.4	28
134	Phosphazene-derived stable and robust artificial SEI for protecting lithium anodes of Li-O batteries. *Chemical Communications*, **2020**, 56, 12566-12569	5.8	2
133	Dandelion-clock-inspired preparation of core-shell TiO2@MoS2 composites for high performance sodium ion storage. *Journal of Alloys and Compounds*, **2020**, 815, 152386	5.7	14
132	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
131	Free-standing N,Co-codoped TiO2 nanoparticles for LiO2-based Li□O2 batteries. *Journal of Materials Chemistry A*, **2019**, 7, 23046-23054	13	12
130	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
129	Isolated Diatomic Ni-Fe Metal-Nitrogen Sites for Synergistic Electroreduction of CO. *Angewandte Chemie - International Edition*, **2019**, 58, 6972-6976	16.4	406
128	Isolated Diatomic Ni-Fe Metal□Nitrogen Sites for Synergistic Electroreduction of CO2. *Angewandte Chemie*, **2019**, 131, 7046-7050	3.6	42
127	Free-standing hybrid porous membranes integrated with transition metal nitride and carbide nanoparticles for high-performance lithium-sulfur batteries. *Chemical Engineering Journal*, **2019**, 378, 122208	14.7	22
126	Multistaged discharge constructing heterostructure with enhanced solid-solution behavior for long-life lithium-oxygen batteries. *Nature Communications*, **2019**, 10, 5810	17.4	59
125	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
124	Rubber-based carbon electrode materials derived from dumped tires for efficient sodium-ion storage. *Dalton Transactions*, **2018**, 47, 4885-4892	4.3	6
123	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
122	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
121	Enhanced oxygen electroreduction over nitrogen-free carbon nanotube-supported CuFeO2 nanoparticles. *Journal of Materials Chemistry A*, **2018**, 6, 4331-4336	13	20
120	Superposed Redox Chemistry of Fused Carbon Rings in Cyclooctatetraene-Based Organic Molecules for High-Voltage and High-Capacity Cathodes. *ACS Applied Materials & Interfaces*, **2018**, 10, 2496-2503	9.5	7
119	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
118	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

117	Strategies toward High-Performance Cathode Materials for Lithium-Oxygen Batteries. *Small*, **2018**, 14, e1800078	11	73
116	Top-down fabrication of hierarchical nanocubes on nanosheets composite for high-rate lithium storage. *Dalton Transactions*, **2018**, 47, 16155-16163	4.3	3
115	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
114	Boosting Potassium Storage Capacity Based on Stress-Induced Size-Dependent Solid-Solution Behavior. *Advanced Energy Materials*, **2018**, 8, 1802175	21.8	20
113	Neuron-Inspired Design of High-Performance Electrode Materials for Sodium-Ion Batteries. *ACS Nano*, **2018**, 12, 11503-11510	16.7	64
112	Non-Conjugated Dicarboxylate Anode Materials for Electrochemical Cells. *Angewandte Chemie*, **2018**, 130, 9003-9008	3.6	12
111	Non-Conjugated Dicarboxylate Anode Materials for Electrochemical Cells. *Angewandte Chemie - International Edition*, **2018**, 57, 8865-8870	16.4	32
110	Carbonate decomposition: Low-overpotential Li-CO2 battery based on interlayer-confined monodisperse catalyst. *Energy Storage Materials*, **2018**, 15, 291-298	19.4	55
109	Towards real Li-air batteries: A binder-free cathode with high electrochemical performance in CO 2 and O 2. *Energy Storage Materials*, **2017**, 7, 209-215	19.4	49
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	Uric Acid as an Electrochemically Active Compound for Sodium-Ion Batteries: Stepwise Na-Storage Mechanisms of π-Conjugation and Stabilized Carbon Anion. *ACS Applied Materials & Interfaces*, **2017**, 9, 33934-33940	9.5	8
106	Rational Design of Zirconium-doped Titania Photocatalysts with Synergistic Brønsted Acidity and Photoactivity. *ChemSusChem*, **2016**, 9, 2759-2764	8.3	3
105	Regeneration of Metal Sulfides in the Delithiation Process: The Key to Cyclic Stability. *Advanced Energy Materials*, **2016**, 6, 1601056	21.8	83
104	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
103	Low-Overpotential Li□O2 Batteries Based on TFSI Intercalated Co□□i Layered Double Oxides. *Advanced Functional Materials*, **2016**, 26, 1365-1374	15.6	58
102	Trapping oxygen in hierarchically porous carbon nano-nets: graphitic nitrogen dopants boost the electrocatalytic activity. *RSC Advances*, **2016**, 6, 56765-56771	3.7	7
101	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
100	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

99	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
98	Template-directed metal oxides for electrochemical energy storage. *Energy Storage Materials*, **2016**, 3, 1-17	19.4	43
97	Strategies to succeed in improving the lithium-ion storage properties of silicon nanomaterials. *Journal of Materials Chemistry A*, **2016**, 4, 32-50	13	111
96	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
95	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
94	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
93	Co□□-based binder-free cathodes for lithium-oxygen batteries with improved cycling stability. *Dalton Transactions*, **2015**, 44, 8678-84	4.3	31
92	Cobalt-Doped MnO2 Hierarchical Yolk□Shell Spheres with Improved Supercapacitive Performance. *Journal of Physical Chemistry C*, **2015**, 119, 8465-8471	3.8	80
91	Li3V2(PO4)3 particles embedded in porous N-doped carbon as high-rate and long-life cathode material for Li-ion batteries. *RSC Advances*, **2015**, 5, 78209-78214	3.7	6
90	General transfer hydrogenation by activating ammonia-borane over cobalt nanoparticles. *RSC Advances*, **2015**, 5, 102736-102740	3.7	30
89	Surface and interface engineering of electrode materials for lithium-ion batteries. *Advanced Materials*, **2015**, 27, 527-45	24	344
88	Converting waste paper to multifunctional graphene-decorated carbon paper: from trash to treasure. *Journal of Materials Chemistry A*, **2015**, 3, 13926-13932	13	28
87	Multifunctional Au□email□protected] Nanocatalyst for Highly Efficient Hydrolysis of Ammonia Borane. *ACS Catalysis*, **2015**, 5, 388-392	13.1	111
86	In situ catalytic growth of large-area multilayered graphene/MoS2 heterostructures. *Scientific Reports*, **2014**, 4, 4673	4.9	51
85	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
84	CoFeO-Graphene Nanocomposites Synthesized through An Ultrasonic Method with Enhanced Performances as Anode Materials for Li-ion Batteries. *Nano-Micro Letters*, **2014**, 6, 307-315	19.5	65
83	Incorporation of heterostructured Sn/SnO nanoparticles in crumpled nitrogen-doped graphene nanosheets for application as anodes in lithium-ion batteries. *Chemical Communications*, **2014**, 50, 9961-4	5.8	34
82	Lithiation mechanism of hierarchical porous MoO2 nanotubes fabricated through one-step carbothermal reduction. *Journal of Materials Chemistry A*, **2014**, 2, 80-86	13	67

81	The crystallinity effect of mesocrystalline BaZrO3 hollow nanospheres on charge separation for photocatalysis. *Chemical Communications*, **2014**, 50, 3021-3	5.8	22
80	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
79	A facile one-pot reduction method for the preparation of a SnO/SnO2/GNS composite for high performance lithium ion batteries. *Dalton Transactions*, **2014**, 43, 3137-43	4.3	73
78	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
77	Hedgehog-like polycrystalline Si as anode material for high performance Li-ion battery. *RSC Advances*, **2014**, 4, 57083-57086	3.7	
76	Supramolecular nano-assemblies with tailorable surfaces: recyclable hard templates for engineering hollow nanocatalysts. *Science China Materials*, **2014**, 57, 7-12	7.1	6
75	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
74	MoO2/Mo2C Heteronanotubes Function as High-Performance Li-Ion Battery Electrode. *Advanced Functional Materials*, **2014**, 24, 3399-3404	15.6	160
73	Bio-inspired noble metal-free reduction of nitroarenes using NiS2+x/g-C3N4. *RSC Advances*, **2014**, 4, 60873-60877	3.7	15
72	Synthesis of Ni-doped NiO/RGONS nanocomposites with enhanced rate capabilities as anode materials for Li ion batteries. *CrystEngComm*, **2013**, 15, 6663	3.3	31
71	Synthesis of porous Al2O3-PVDF composite separators and their application in lithium-ion batteries. *Journal of Applied Polymer Science*, **2013**, 130, 2886-2890	2.9	18
70	Impact of photogenerated charge behaviors on luminescence of Eu3+-incorporated microporous titanosilicate ETS-10. *Science China Chemistry*, **2013**, 56, 428-434	7.9	1
69	Uniform hierarchical MoO2/carbon spheres with high cycling performance for lithium ion batteries. *Journal of Materials Chemistry A*, **2013**, 1, 12038	13	54
68	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
67	Synergistic effect of Brønsted acid and platinum on purification of automobile exhaust gases. *Scientific Reports*, **2013**, 3, 2349	4.9	14
66	Sol–gel preparation of efficient red phosphor Mg2TiO4:Mn4+ and XAFS investigation on the substitution of Mn4+ for Ti4+. *Journal of Materials Chemistry C*, **2013**, 1, 4327	7.1	77
65	Distinct effect of hierarchical structure on performance of anatase as an anode material for lithium-ion batteries. *RSC Advances*, **2013**, 3, 26052	3.7	6
64	Hierarchical porous carbon spheres as an anode material for lithium ion batteries. *RSC Advances*, **2013**, 3, 10823	3.7	32

63	Elucidation of the chemical environment for zinc species in an electron-rich zinc-incorporated zeolite. *Journal of Solid State Chemistry*, **2013**, 202, 111-115	3.3	9
62	Cerium vanadate nanoparticles as a new anode material for lithium ion batteries. *RSC Advances*, **2013**, 3, 7403	3.7	21
61	Amorphous silicon with high specific surface area prepared by a sodiothermic reduction method for supercapacitors. *Chemical Communications*, **2013**, 49, 5007-9	5.8	27
60	A graphene-wrapped silver□orous silicon composite with enhanced electrochemical performance for lithium-ion batteries. *Journal of Materials Chemistry A*, **2013**, 1, 13648	13	64
59	Hierarchical Li4Ti5O12/TiO2 composite tubes with regular structural imperfection for lithium ion storage. *Scientific Reports*, **2013**, 3, 3490	4.9	45
58	Highly Efficient Dehydrogenation of Formic Acid over a Palladium-Nanoparticle-Based Mott□Schottky Photocatalyst. *Angewandte Chemie*, **2013**, 125, 12038-12041	3.6	54
57	Co3O4 nanorods/graphene nanosheets nanocomposites for lithium ion batteries with improved reversible capacity and cycle stability. *Journal of Power Sources*, **2012**, 202, 230-235	8.9	147
56	Carbon nanocolumn arrays prepared by pulsed laser deposition for lithium ion batteries. *Journal of Power Sources*, **2012**, 203, 140-144	8.9	8
55	3D-hierarchical NiO□graphene nanosheet composites as anodes for lithium ion batteries with improved reversible capacity and cycle stability. *RSC Advances*, **2012**, 2, 3410	3.7	72
54	Decomposition of CO2 to carbon and oxygen under mild conditions over a zinc-modified zeolite. *Chemical Communications*, **2012**, 48, 2325-7	5.8	19
53	3D-hierarchical SnS2 micro/nano-structures: controlled synthesis, formation mechanism and lithium ion storage performances. *CrystEngComm*, **2012**, 14, 1364-1375	3.3	92
52	Magnetite modified graphene nanosheets with improved rate performance and cyclic stability for Li ion battery anodes. *RSC Advances*, **2012**, 2, 4397	3.7	18
51	Mesoporous titania rods as an anode material for high performance lithium-ion batteries. *Journal of Power Sources*, **2012**, 214, 298-302	8.9	46
50	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
49	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
48	Synergistic effect on the photoactivation of the methane C-H bond over Ga(3+)-modified ETS-10. *Angewandte Chemie - International Edition*, **2012**, 51, 4702-6	16.4	60
47	Controlled synthesis of magnetic Pd/Fe3O4 spheres via an ethylenediamine-assisted route. *Dalton Transactions*, **2012**, 41, 3204-8	4.3	27
46	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

45	Progress on the Photoanode for Dye-Sensitized Solar Cells **2012**, 513-564		
44	Carbon-Coated V2O5 Nanocrystals as High Performance Cathode Material for Lithium Ion Batteries. *Chemistry of Materials*, **2011**, 23, 5290-5292	9.6	213
43	Extended structures and physicochemical properties of uranyl-organic compounds. *Accounts of Chemical Research*, **2011**, 44, 531-40	24.3	342
42	Efficient Sunlight-Driven Dehydrogenative Coupling of Methane to Ethane over a Zn+-Modified Zeolite. *Angewandte Chemie*, **2011**, 123, 8449-8453	3.6	40
41	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
40	Hierarchical Bi2O2CO3 microspheres with improved visible-light-driven photocatalytic activity. *CrystEngComm*, **2011**, 13, 4010	3.3	155
39	High stability and superior rate capability of three-dimensional hierarchical SnS2 microspheres as anode material in lithium ion batteries. *Journal of Power Sources*, **2011**, 196, 3650-3654	8.9	154
38	Synthesis of SnO2 hollow nanostructures with controlled interior structures through a template-assisted hydrothermal route. *Dalton Transactions*, **2011**, 40, 8517-9	4.3	24
37	Montmorillonite-supported Ag/TiO(2) nanoparticles: an efficient visible-light bacteria photodegradation material. *ACS Applied Materials & Interfaces*, **2010**, 2, 544-50	9.5	171
36	Self-Oriented Single Crystalline Silicon Nanorod Arrays through a Chemical Vapor Reaction Route. *Journal of Physical Chemistry C*, **2010**, 114, 2471-2475	3.8	1
35	Light-induced formation of porous TiO2 with superior electron-storing capacity. *Chemical Communications*, **2010**, 46, 2112-4	5.8	45
34	Carbon nanocages with nanographene shell for high-rate lithium ion batteries. *Journal of Materials Chemistry*, **2010**, 20, 9748		56
33	Preparation and tunable photoluminescence of carbogenic nanoparticles confined in a microporous magnesium-aluminophosphate. *Inorganic Chemistry*, **2010**, 49, 5859-67	5.1	42
32	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
31	Thermally stable nanocrystallised mesoporous zirconia thin films. *Microporous and Mesoporous Materials*, **2009**, 117, 161-164	5.3	19
30	Hierarchical porous carbon derived from rice straw for lithium ion batteries with high-rate performance. *Electrochemistry Communications*, **2009**, 11, 130-133	5.1	192
29	Synthesis and electrochemical properties of single-crystalline LiV3O8 nanorods as cathode materials for rechargeable lithium batteries. *Journal of Power Sources*, **2009**, 192, 668-673	8.9	101
28	Mesoporous Carbon Nanofibers for Supercapacitor Application. *Journal of Physical Chemistry C*, **2009**, 113, 1093-1097	3.8	174

27	Design and synthesis of a novel nanothorn VO2(B) hollow microsphere and their application in lithium-ion batteries. *Journal of Materials Chemistry*, **2009**, 19, 2835		111
26	Synthesis and characterisation of ordered arrays of mesoporous carbon nanofibres. *Journal of Materials Chemistry*, **2009**, 19, 1331		38
25	Synthesis and electrochemical performance of nano-sized Li4Ti5O12 with double surface modification of Ti(III) and carbon. *Journal of Materials Chemistry*, **2009**, 19, 6789		228
24	Facile synthesis of NaV6O15 nanorods and its electrochemical behavior as cathode material in rechargeable lithium batteries. *Journal of Materials Chemistry*, **2009**, 19, 7885		123
23	Effect of Surface Cations on Photoelectric Conversion Property of Nanosized Zirconia. *Journal of Physical Chemistry C*, **2009**, 113, 9114-9120	3.8	21
22	The design of a LiFePO4/carbon nanocomposite with a core-shell structure and its synthesis by an in situ polymerization restriction method. *Angewandte Chemie - International Edition*, **2008**, 47, 7461-5	16.4	756
21	The Design of a LiFePO4/Carbon Nanocomposite With a Core□Shell Structure and Its Synthesis by an In Situ Polymerization Restriction Method. *Angewandte Chemie*, **2008**, 120, 7571-7575	3.6	80
20	Supercritical fluid processing of mesoporous crystalline TiO2 thin films for highly efficient dye-sensitized solar cells. *Journal of Materials Chemistry*, **2007**, 17, 3888		29
19	Direct fabrication of well-aligned free-standing mesoporous carbon nanofiber arrays on silicon substrates. *Journal of the American Chemical Society*, **2007**, 129, 13388-9	16.4	72
18	Mesoporous Titania Nanotubes: Their Preparation and Application as Electrode Materials for Rechargeable Lithium Batteries. *Advanced Materials*, **2007**, 19, 3016-3020	24	232
17	A Supercritical-Fluid Method for Growing Carbon Nanotubes. *Advanced Materials*, **2007**, 19, 3043-3046	24	11
16	The application of supercritical fluids in the preparation and processing of mesoporous materials. *Studies in Surface Science and Catalysis*, **2007**, 1796-1803	1.8	2
15	Preparation of MCM-48 materials with enhanced hydrothermal stability. *Journal of Materials Chemistry*, **2006**, 16, 4051		40
14	Preparation of Mesoporous Titania Thin Films with Remarkably High Thermal Stability. *Chemistry of Materials*, **2005**, 17, 1269-1271	9.6	51
13	Supercritical Fluid Processing of Thermally Stable Mesoporous Titania Thin Films with Enhanced Photocatalytic Activity. *Chemistry of Materials*, **2005**, 17, 4825-4831	9.6	47
12	Towards Rational Synthesis of Microporous Aluminophosphate AlPO4-21 by Hydrothermal Combinatorial Approach. *Topics in Catalysis*, **2005**, 35, 3-8	2.3	34
11	Inorganic□rganic hybrid material containing □cage: {[H2(en)]Co2(ox)(V4O12)}n. *Inorganic Chemistry Communication*, **2003**, 6, 370-373	3.1	6
10	Investigation on the chain-to-chain and chain-to-open-framework transformations of two one-dimensional aluminophosphate chains. *Inorganic Chemistry*, **2003**, 42, 4597-602	5.1	25

9	Assembly of one-dimensional AlP2O83□ chains into three-dimensional MAlP2O8□C2N2H9 frameworks through transition metal cations (M = Ni2+, Co2+ and Fe2+). *Dalton Transactions*, **2003**, 99-103	4.3	26
8	An anionic framework aluminophosphate |(CH2)6N4H3□H2O|[Al11P12O48] and computer simulation of the template positions. *Microporous and Mesoporous Materials*, **2001**, 50, 151-158	5.3	30
7	A new layered aluminophosphate [C4H12N2][Al2P2O8(OH)2] templated by piperazine. *Journal of Materials Chemistry*, **2001**, 11, 1898-1902		28
6	Synthesis and characterization of a new three-dimensional aluminophosphate [Al11P12O48][C4H12N2][C4H11N2] with an Al/P ratio of 11 : 12. *Dalton Transactions RSC*, **2001**, 1809-1812		25
5	A simulation study on the topotactic transformations from aluminophosphate AlPO(4)-21 to AlPO(4)-25. *Inorganic Chemistry*, **2001**, 40, 5812-7	5.1	11
4	Synthesis and characterization of a new microporous aluminophosphate [Al2P2O8][OCH2CH2NH3] with an open-framework analogous to AlPO4-D. *Microporous and Mesoporous Materials*, **2000**, 39, 281-289	5.3	16
3	Rational Synthesis of Microporous Aluminophosphates with an Inorganic Open Framework Analogous to Al4P5O20H□C6H18N2. *Chemistry of Materials*, **2000**, 12, 3783-3787	9.6	32
2	Catalysts for Li□O2 Batteries: From Heterogeneous to Homogeneous. *ChemNanoMat*,	3.5	3
1	Design of Functional Carbon Composite Materials for Energy Conversion and Storage. *Chemical Research in Chinese Universities*,1	2.2	0