Jun Chen

List of Publications by Year in Descending Order

605 papers	67,447 citations	137 h-index	240 g-index
652 ext. papers	78,177 ext. citations	11.2 avg, IF	8.61 L-index

#	Paper	IF	Citations
605	Manipulating Stable Layered P2-Type Cathode via a Co-Substitution Strategy for High Performance Sodium Ion Batteries.. *Small Methods*, **2022**, e2101292	12.8	5
604	Orthoquinone - Based Covalent Organic Frameworks with Ordered Channel Structures for Ultrahigh Performance Aqueous Zinc-Organic Battery.. *Angewandte Chemie - International Edition*, **2022**,	16.4	8
603	MXene-Based Metal Anode with Stepped Sodiophilic Gradient Structure Enables a Large Current Density for Rechargeable Na-O Batteries.. *Advanced Materials*, **2022**, e2106565	24	5
602	Building Homogenous Li TiO Coating Layer on Primary Particles to Stabilize Li-Rich Mn-Based Cathode Materials.. *Small*, **2022**, e2106337	11	2
601	A potential anchoring material for lithium□ulfur batteries: Monolayer PtTe sheet. *Applied Surface Science*, **2022**, 572, 151378	6.7	1
600	High-performance all-solid-state electrolyte for sodium batteries enabled by the interaction between the anion in salt and NaSbS.. *Chemical Science*, **2022**, 13, 3416-3423	9.4	2
599	Photoelectrochemistry of oxygen in rechargeable Li-O batteries.. *Chemical Society Reviews*, **2022**,	58.5	8
598	MnO2 Nanosheets on a Carbon Nanofiber Freestanding Film by Electrospinning and In Situ Spraying for Lithium and Sodium Storage. *ACS Applied Energy Materials*, **2022**, 5, 3587-3594	6.1	1
597	Crack-free single-crystalline Co-free Ni-rich LiNi0.95Mn0.05O2 layered cathode. *EScience*, **2022**,		20
596	A free-sealed high-voltage aqueous polymeric sodium battery enabling operation at □15□C. *Cell Reports Physical Science*, **2022**, 3, 100805	6.1	3
595	UV-Cured Semi-Interpenetrating polymer networks of solid electrolytes for rechargeable lithium metal batteries. *Chemical Engineering Journal*, **2022**, 437, 135329	14.7	2
594	A Symmetric All-Organic Proton Battery in Mild Electrolyte. *Angewandte Chemie*, **2022**, 134,	3.6	5
593	Gradient doping Mg and Al to stabilize Ni-rich cathode materials for rechargeable lithium-ion batteries. *Journal of Power Sources*, **2022**, 535, 231445	8.9	2
592	A telluride-doped porous carbon as highly efficient bifunctional catalyst for rechargeable Zn-air batteries. *Electrochimica Acta*, **2021**, 139606	6.7	1
591	Syntheses, challenges and modifications of single-crystal cathodes for lithium-ion battery. *Journal of Energy Chemistry*, **2021**,	12	2
590	Insights into Redox Processes and Correlated Performance of Organic Carbonyl Electrode Materials in Rechargeable Batteries. *Advanced Materials*, **2021**, e2104150	24	10
589	Organic/Inorganic Hybrid Fibers: Controllable Architectures for Electrochemical Energy Applications. *Advanced Science*, **2021**, 8, e2102859	13.6	11

588	Revisiting the Hitherto Elusive Cyclohexanehexone Molecule: Bulk Synthesis, Mass Spectrometry, and Theoretical Studies. *Journal of Physical Chemistry Letters*, **2021**, 12, 9848-9852	6.4	4
587	Aromaticity/Antiaromaticity Effect on Activity of Transition Metal Macrocyclic Complexes towards Electrocatalytic Oxygen Reduction. *ChemSusChem*, **2021**, 14, 1835-1839	8.3	4
586	Rechargeable K-CO Batteries with a KSn Anode and a Carboxyl-Containing Carbon Nanotube Cathode Catalyst. *Angewandte Chemie - International Edition*, **2021**, 60, 9540-9545	16.4	5
585	Rechargeable K-CO2 Batteries with a KSn Anode and a Carboxyl-Containing Carbon Nanotube Cathode Catalyst. *Angewandte Chemie*, **2021**, 133, 9626-9631	3.6	1
584	High-Energy-Density Quinone-Based Electrodes with [Al(OTF)]2+ Storage Mechanism for Rechargeable Aqueous Aluminum Batteries. *Advanced Functional Materials*, **2021**, 31, 2102063	15.6	16
583	Surface plasmon mediates the visible light-responsive lithium-oxygen battery with Au nanoparticles on defective carbon nitride. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	24
582	Tuning local chemistry of P2 layered-oxide cathode for high energy and long cycles of sodium-ion battery. *Nature Communications*, **2021**, 12, 2256	17.4	37
581	Demystifying the Lattice Oxygen Redox in Layered Oxide Cathode Materials of Lithium-Ion Batteries. *ACS Nano*, **2021**, 15, 6061-6104	16.7	25
580	Opportunities and challenges for aqueous metal-proton batteries. *Matter*, **2021**, 4, 1252-1273	12.7	10
579	A Low-Strain Potassium-Rich Prussian Blue Analogue Cathode for High Power Potassium-Ion Batteries. *Angewandte Chemie - International Edition*, **2021**, 60, 13050-13056	16.4	35
578	A Low-Strain Potassium-Rich Prussian Blue Analogue Cathode for High Power Potassium-Ion Batteries. *Angewandte Chemie*, **2021**, 133, 13160-13166	3.6	3
577	Advances and Challenges for the Electrochemical Reduction of CO2 to CO: From Fundamentals to Industrialization. *Angewandte Chemie*, **2021**, 133, 20795-20816	3.6	13
576	Designing Electrolyte Structure to Suppress Hydrogen Evolution Reaction in Aqueous Batteries. *ACS Energy Letters*, **2021**, 6, 2174-2180	20.1	30
575	Fundamental and solutions of microcrack in Ni-rich layered oxide cathode materials of lithium-ion batteries. *Nano Energy*, **2021**, 83, 105854	17.1	66
574	Advances and Challenges for the Electrochemical Reduction of CO to CO: From Fundamentals to Industrialization. *Angewandte Chemie - International Edition*, **2021**, 60, 20627-20648	16.4	72
573	Regulating Electrocatalytic Oxygen Reduction Activity of a Metal Coordination Polymer via d Conjugation. *Angewandte Chemie*, **2021**, 133, 17074-17078	3.6	2
572	Regulating Electrocatalytic Oxygen Reduction Activity of a Metal Coordination Polymer via d- Conjugation. *Angewandte Chemie - International Edition*, **2021**, 60, 16937-16941	16.4	12
571	Molecularly Compensated Pre-Metallation Strategy for Metal-Ion Batteries and Capacitors. *Angewandte Chemie*, **2021**, 133, 17207-17216	3.6	2

570	Molecularly Compensated Pre-Metallation Strategy for Metal-Ion Batteries and Capacitors. *Angewandte Chemie - International Edition*, **2021**, 60, 17070-17079	16.4	11
569	A Universal Compensation Strategy to Anchor Polar Organic Molecules in Bilayered Hydrated Vanadates for Promoting Aqueous Zinc-Ion Storage. *Advanced Materials*, **2021**, 33, e2102701	24	17
568	Bifunctional Effects of Cation Additive on Na-O2 Batteries. *Angewandte Chemie*, **2021**, 133, 3242-3248	3.6	4
567	Bifunctional Effects of Cation Additive on Na-O Batteries. *Angewandte Chemie - International Edition*, **2021**, 60, 3205-3211	16.4	11
566	Current state-of-the-art characterization techniques for probing the layered oxide cathode materials of sodium-ion batteries. *Energy Storage Materials*, **2021**, 35, 400-430	19.4	19
565	A comprehensive understanding of the anionic redox chemistry in layered oxide cathodes for sodium-ion batteries. *Science China Chemistry*, **2021**, 64, 385-402	7.9	15
564	Recent breakthroughs and perspectives of high-energy layered oxide cathode materials for lithium ion batteries. *Materials Today*, **2021**, 43, 132-165	21.8	46
563	A phthalocyanine-grafted MA-VA framework polymer as a high performance anode material for lithium/sodium-ion batteries. *Dalton Transactions*, **2021**, 50, 9858-9870	4.3	2
562	Graphene composite 3,4,9,10-perylenetetracarboxylic sodium salts with a honeycomb structure as a high performance anode material for lithium ion batteries. *Nanoscale Advances*, **2021**, 3, 4561-4571	5.1	1
561	1,4,5,8-Naphthalenetetracarboxylic dianhydride grafted phthalocyanine macromolecules as an anode material for lithium ion batteries. *Nanoscale Advances*, **2021**, 3, 3199-3215	5.1	4
560	Semiconducting Metal-Organic Polymer Nanosheets for a Photoinvolved Li-O Battery under Visible Light. *Journal of the American Chemical Society*, **2021**, 143, 1941-1947	16.4	45
559	A graphene@framework polymer derived from addition polymerization of phthalocyanine/dicarboxaldehyde as a negative material for lithium-ion batteries. *Materials Chemistry Frontiers*, **2021**, 5, 7291-7305	7.8	1
558	Graphite-like structure of disordered polynaphthalene hard carbon anode derived from the carbonization of perylene-3,4,9,10-tetracarboxylic dianhydride for fast-charging lithium-ion batteries. *New Journal of Chemistry*, **2021**, 45, 16658-16669	3.6	2
557	Electroless Formation of a Fluorinated Li/Na Hybrid Interphase for Robust Lithium Anodes. *Journal of the American Chemical Society*, **2021**, 143, 2829-2837	16.4	41
556	Hollow Porous Bowl-like Nitrogen-Doped Cobalt/Carbon Nanocomposites with Enhanced Electromagnetic Wave Absorption. *Chemistry of Materials*, **2021**, 33, 1789-1798	9.6	45
555	Solid Solution Metal Chalcogenides for Sodium-Ion Batteries: The Recent Advances as Anodes. *Small*, **2021**, 17, e2101058	11	13
554	Chaotropic Anion and Fast-Kinetics Cathode Enabling Low-Temperature Aqueous Zn Batteries. *ACS Energy Letters*, **2021**, 6, 2704-2712	20.1	44
553	High performance of low-temperature electrolyte for lithium-ion batteries using mixed additives. *Chemical Engineering Journal*, **2021**, 418, 129400	14.7	12

552	Structure-Performance Relationships of Covalent Organic Framework Electrode Materials in Metal-Ion Batteries. *Journal of Physical Chemistry Letters*, **2021**, 12, 8061-8071	6.4	5
551	Xylitol-assisted ball milling of graphite to prepare long-cycle and high-capacity graphene nanosheet as lithium-ion anode materials. *Journal of Materials Science*, **2021**, 56, 18200-18209	4.3	1
550	Two-Phase Transition Induced Amorphous Metal Phosphides Enabling Rapid, Reversible Alkali-Metal Ion Storage. *ACS Nano*, **2021**,	16.7	8
549	Insights into the Ionic Conduction Mechanism of Quasi-Solid Polymer Electrolytes through Multispectral Characterization. *Angewandte Chemie*, **2021**, 133, 22854	3.6	1
548	Designing Anion-Type Water-Free Zn Solvation Structure for Robust Zn Metal Anode. *Angewandte Chemie - International Edition*, **2021**, 60, 23357-23364	16.4	33
547	An Ionic Liquid Electrolyte with Enhanced Li Transport Ability Enables Stable Li Deposition for High-Performance Li-O Batteries. *Angewandte Chemie - International Edition*, **2021**, 60, 25973-25980	16.4	9
546	Designing Anion-Type Water-Free Zn2+ Solvation Structure for Robust Zn Metal Anode. *Angewandte Chemie*, **2021**, 133, 23545	3.6	13
545	Insights into the Ionic Conduction Mechanism of Quasi-Solid Polymer Electrolytes through Multispectral Characterization. *Angewandte Chemie - International Edition*, **2021**, 60, 22672-22677	16.4	16
544	Phthalocyanine-based covalent organic frameworks as novel anode materials for high-performance lithium-ion/sodium-ion batteries. *Chemical Engineering Journal*, **2021**, 425, 131630	14.7	8
543	Developing better ester- and ether-based electrolytes for potassium-ion batteries. *Chemical Science*, **2021**, 12, 2345-2356	9.4	15
542	An extended carbonyl-rich conjugated polymer cathode for high-capacity lithium-ion batteries. *Journal of Materials Chemistry A*, **2021**, 9, 2700-2705	13	17
541	In Situ Polymerized Conjugated Poly(pyrene-4,5,9,10-tetraone)/Carbon Nanotubes Composites for High-Performance Cathode of Sodium Batteries. *Advanced Energy Materials*, **2021**, 11, 2002917	21.8	30
540	A Symmetric All-Organic Proton Battery in Mild Electrolyte.. *Angewandte Chemie - International Edition*, **2021**, e202115180	16.4	5
539	UV-Cured Interpenetrating Networks of Single-ion Conducting Polymer Electrolytes for Rechargeable Lithium Metal Batteries. *ACS Applied Energy Materials*, **2020**, 3, 12532-12539	6.1	7
538	A chemically self-charging aqueous zinc-ion battery. *Nature Communications*, **2020**, 11, 2199	17.4	101
537	Materials chemistry for rechargeable zinc-ion batteries. *Chemical Society Reviews*, **2020**, 49, 4203-4219	58.5	314
536	Urchin-Like Fe Se Hierarchitectures: A Novel Pseudocapacitive Sodium-Ion Storage Anode with Prominent Rate and Cycling Properties. *Small*, **2020**, 16, e2000504	11	20
535	A 3D Hydroxylated MXene/Carbon Nanotubes Composite as a Scaffold for Dendrite-Free Sodium-Metal Electrodes. *Angewandte Chemie - International Edition*, **2020**, 59, 16705-16711	16.4	72

534	A 3D Hydroxylated MXene/Carbon Nanotubes Composite as a Scaffold for Dendrite-Free Sodium-Metal Electrodes. *Angewandte Chemie*, **2020**, 132, 16848	3.6	0
533	Facile-Processed Nanocarbon-Promoted Sulfur Cathode for Highly Stable Sodium-Sulfur Batteries. *Cell Reports Physical Science*, **2020**, 1, 100015	6.1	12
532	Photo-excited Oxygen Reduction and Oxygen Evolution Reactions Enable a High-Performance Zn-Air Battery. *Angewandte Chemie - International Edition*, **2020**, 59, 18140-18144	16.4	43
531	Photo-excited Oxygen Reduction and Oxygen Evolution Reactions Enable a High-Performance Zn–Air Battery. *Angewandte Chemie*, **2020**, 132, 18297-18301	3.6	8
530	A Novel NASICON-Type Na MnCr(PO) Demonstrating the Energy Density Record of Phosphate Cathodes for Sodium-Ion Batteries. *Advanced Materials*, **2020**, 32, e1906348	24	66
529	Prospects of organic electrode materials for practical lithium batteries. *Nature Reviews Chemistry*, **2020**, 4, 127-142	34.6	340
528	Polyacrylonitrile Hard Carbon as Anode of High Rate Capability for Lithium Ion Batteries. *Frontiers in Energy Research*, **2020**, 8,	3.8	13
527	A phenazine anode for high-performance aqueous rechargeable batteries in a wide temperature range. *Nano Research*, **2020**, 13, 676-683	10	26
526	Electrodeposition Accelerates Metal-Based Batteries. *Joule*, **2020**, 4, 10-11	27.8	16
525	Molecular Design Strategy for High-Redox-Potential and Poorly Soluble n-Type Phenazine Derivatives as Cathode Materials for Lithium Batteries. *ChemSusChem*, **2020**, 13, 2337-2344	8.3	18
524	A Comparative Review of Electrolytes for Organic-Material-Based Energy-Storage Devices Employing Solid Electrodes and Redox Fluids. *ChemSusChem*, **2020**, 13, 2205-2219	8.3	32
523	Nanograined copper foil as a high-performance collector for lithium-ion batteries. *Journal of Alloys and Compounds*, **2020**, 831, 154801	5.7	3
522	Facile synthesis of amorphous MoS-Fe anchored on Zr-MOFs towards efficient and stable electrocatalytic hydrogen evolution. *Chemical Communications*, **2020**, 56, 2763-2766	5.8	14
521	Proton Intercalation/De-Intercalation Dynamics in Vanadium Oxides for Aqueous Aluminum Electrochemical Cells. *Angewandte Chemie - International Edition*, **2020**, 59, 3048-3052	16.4	67
520	Proton Intercalation/De-Intercalation Dynamics in Vanadium Oxides for Aqueous Aluminum Electrochemical Cells. *Angewandte Chemie*, **2020**, 132, 3072-3076	3.6	11
519	Nitrogen-rich covalent organic frameworks with multiple carbonyls for high-performance sodium batteries. *Nature Communications*, **2020**, 11, 178	17.4	124
518	3D-Printed Ultra-Robust Surface-Doped Porous Silicone Sensors for Wearable Biomonitoring. *ACS Nano*, **2020**, 14, 1520-1532	16.7	76
517	Understanding the Ion-Sorption Dynamics in Functionalized Porous Carbons for Enhanced Capacitive Energy Storage. *ACS Applied Materials & Interfaces*, **2020**, 12, 2773-2782	9.5	10

516	Hot-Injection Synthesis of PtCu3 Concave Nanocubes with High-Index Facets for Electrocatalytic Oxidation of Methanol and Formic Acid. *ACS Applied Energy Materials*, **2020**, 3, 1010-1016	6.1	16
515	Pore size effect of graphyne supports on CO electrocatalytic activity of Cu single atoms. *Physical Chemistry Chemical Physics*, **2020**, 22, 1181-1186	3.6	27
514	Synthesis and application of Calix[6]quinone as a high-capacity organic cathode for plastic crystal electrolyte-based lithium-ion batteries. *Energy Storage Materials*, **2020**, 26, 465-471	19.4	40
513	Hierarchical Engineering of Porous P2-Na2/3Ni1/3Mn2/3O2 Nanofibers Assembled by Nanoparticles Enables Superior Sodium-Ion Storage Cathodes. *Advanced Functional Materials*, **2020**, 30, 1907837	15.6	64
512	Butyl acrylate (BA) and ethylene carbonate (EC) electrolyte additives for low-temperature performance of lithium ion batteries. *Journal of Power Sources*, **2020**, 476, 228697	8.9	12
511	Energy Storage Chemistry in Aqueous Zinc Metal Batteries. *ACS Energy Letters*, **2020**, 5, 3569-3590	20.1	62
510	Exploring the Interfacial Chemistry between Zinc Anodes and Aqueous Electrolytes via an In Situ Visualized Characterization System. *ACS Applied Materials & Interfaces*, **2020**, 12, 55476-55482	9.5	19
509	Recent advances in Ni-rich layered oxide particle materials for lithium-ion batteries. *Particuology*, **2020**, 53, 1-11	2.8	17
508	Room-Temperature Flexible Quasi-Solid-State Rechargeable Na-O Batteries. *ACS Central Science*, **2020**, 6, 1955-1963	16.8	11
507	A Two-Dimensional Metal□Organic Polymer Enabled by Robust Nickel□Nitrogen and Hydrogen Bonds for Exceptional Sodium-Ion Storage. *Angewandte Chemie*, **2020**, 132, 22310-22315	3.6	8
506	Dual-Strategy of Cation-Doping and Nanoengineering Enables Fast and Stable Sodium-Ion Storage in a Novel Fe/Mn-Based Layered Oxide Cathode. *Advanced Science*, **2020**, 7, 2002199	13.6	26
505	Modulating electrolyte structure for ultralow temperature aqueous zinc batteries. *Nature Communications*, **2020**, 11, 4463	17.4	154
504	A Two-Dimensional Metal-Organic Polymer Enabled by Robust Nickel-Nitrogen and Hydrogen Bonds for Exceptional Sodium-Ion Storage. *Angewandte Chemie - International Edition*, **2020**, 59, 22126-22131	16.4	46
503	A Universal Graphene Quantum Dot Tethering Design Strategy to Synthesize Single-Atom Catalysts. *Angewandte Chemie - International Edition*, **2020**, 59, 21885-21889	16.4	43
502	A Universal Graphene Quantum Dot Tethering Design Strategy to Synthesize Single-Atom Catalysts. *Angewandte Chemie*, **2020**, 132, 22069-22073	3.6	5
501	Improving metallic lithium anode with NaPF6 additive in LiPF6-carbonate electrolyte. *Journal of Energy Chemistry*, **2020**, 42, 1-4	12	14
500	Self-Supported Transition-Metal-Based Electrocatalysts for Hydrogen and Oxygen Evolution. *Advanced Materials*, **2020**, 32, e1806326	24	564
499	Charge Storage Mechanism and Structural Evolution of Viologen Crystals as the Cathode of Lithium Batteries. *Angewandte Chemie*, **2020**, 132, 11630-11636	3.6	5

498	Charge Storage Mechanism and Structural Evolution of Viologen Crystals as the Cathode of Lithium Batteries. *Angewandte Chemie - International Edition*, **2020**, 59, 11533-11539	16.4	13
497	Electrodeposition of (hydro)oxides for an oxygen evolution electrode. *Chemical Science*, **2020**, 11, 10614-10625	9.4	35
496	Mitigation of Jahn-Teller distortion and Na/vacancy ordering in a distorted manganese oxide cathode material by Li substitution. *Chemical Science*, **2020**, 12, 1062-1067	9.4	17
495	Spinel/Lithium-Rich Manganese Oxide Hybrid Nanofibers as Cathode Materials for Rechargeable Lithium-Ion Batteries. *Small Methods*, **2019**, 3, 1900350	12.8	28
494	LiNi0.90Co0.07Mg0.03O2 cathode materials with Mg-concentration gradient for rechargeable lithium-ion batteries. *Journal of Materials Chemistry A*, **2019**, 7, 20958-20964	13	28
493	Recent Advances in Isolated Single-Atom Catalysts for Zinc Air Batteries: A Focus Review. *Nanomaterials*, **2019**, 9,	5.4	21
492	A nonaqueous potassium-ion hybrid capacitor enabled by two-dimensional diffusion pathways of dipotassium terephthalate. *Chemical Science*, **2019**, 10, 2048-2052	9.4	93
491	A Self-Healing Integrated All-in-One Zinc-Ion Battery. *Angewandte Chemie*, **2019**, 131, 4357-4361	3.6	64
490	A Self-Healing Integrated All-in-One Zinc-Ion Battery. *Angewandte Chemie - International Edition*, **2019**, 58, 4313-4317	16.4	180
489	Stabilizing nickel-rich layered oxide cathodes by magnesium doping for rechargeable lithium-ion batteries. *Chemical Science*, **2019**, 10, 1374-1379	9.4	114
488	Ultrathin, flexible, solid polymer composite electrolyte enabled with aligned nanoporous host for lithium batteries. *Nature Nanotechnology*, **2019**, 14, 705-711	28.7	442
487	All-Climate Aqueous Dual-Ion Hybrid Battery with Ultrahigh Rate and Ultralong Life Performance. *ACS Applied Energy Materials*, **2019**, 2, 4370-4378	6.1	26
486	Recent Progress on Catalysts for the Positive Electrode of Aprotic Lithium-Oxygen Batteries *Inorganics*, **2019**, 7, 69	2.9	5
485	Understanding the superior sodium-ion storage in a novel Na3.5Mn0.5V1.5(PO4)3 cathode. *Energy Storage Materials*, **2019**, 23, 25-34	19.4	40
484	Selective hydrogenation of CO2 over a Ce promoted Cu-based catalyst confined by SBA-15. *Inorganic Chemistry Frontiers*, **2019**, 6, 1799-1812	6.8	12
483	Theoretical study on lithiation mechanism of benzoquinone-based macrocyclic compounds as cathode for lithium-ion batteries. *Physical Chemistry Chemical Physics*, **2019**, 21, 11004-11010	3.6	2
482	Surface modification of Li-rich manganese-based cathode materials by chemical etching. *Inorganic Chemistry Frontiers*, **2019**, 6, 1694-1700	6.8	16
481	Batteries & Supercaps: Making a Better Tomorrow. *Batteries and Supercaps*, **2019**, 2, 401-402	5.6	2

480	Synthesis of Single Lithium-Ion Conducting Polymer Electrolyte Membrane for Solid-State Lithium Metal Batteries. *ACS Applied Energy Materials*, **2019**, 2, 3028-3034	6.1	56
479	Single Atoms on Graphene for Energy Storage and Conversion. *Small Methods*, **2019**, 3, 1800443	12.8	42
478	A stable 2D nano-columnar sandwich layered phthalocyanine negative electrode for lithium-ion batteries. *Journal of Power Sources*, **2019**, 426, 169-177	8.9	20
477	Reversible Oxygen Redox Chemistry in Aqueous Zinc-Ion Batteries. *Angewandte Chemie - International Edition*, **2019**, 58, 7062-7067	16.4	202
476	A high-energy-density sodium-ion full battery based on tin anode. *Science China Chemistry*, **2019**, 62, 616-621	7.9	33
475	Is the Suzuki-Miyaura Cross-Coupling Reaction in the Presence of Pd Nanoparticles Heterogeneously or Homogeneously Catalyzed? An Interfacial Surface-Enhanced Raman Spectroscopy Study. *Journal of Physical Chemistry Letters*, **2019**, 10, 1286-1291	6.4	38
474	Recent progress on lithium-ion batteries with high electrochemical performance. *Science China Chemistry*, **2019**, 62, 533-548	7.9	73
473	Cyclohexanehexone with Ultrahigh Capacity as Cathode Materials for Lithium-Ion Batteries. *Angewandte Chemie - International Edition*, **2019**, 58, 7020-7024	16.4	153
472	Reversible Oxygen Redox Chemistry in Aqueous Zinc-Ion Batteries. *Angewandte Chemie*, **2019**, 131, 7136-7141	3.6	23
471	A novel aqueous sodium-manganese battery system for energy storage. *Journal of Materials Chemistry A*, **2019**, 7, 8122-8128	13	21
470	A compatible anode/succinonitrile-based electrolyte interface in all-solid-state Na-CO batteries. *Chemical Science*, **2019**, 10, 4306-4312	9.4	45
469	Dynamic processes in Si and Si/C anodes in lithium-ion batteries during cycling. *Journal of Electroanalytical Chemistry*, **2019**, 839, 187-194	4.1	12
468	In situ Synthesis of a Bismuth Layer on a Sodium Metal Anode for Fast Interfacial Transport in Sodium-Oxygen Batteries. *Batteries and Supercaps*, **2019**, 2, 663-667	5.6	17
467	Cyclohexanehexone with Ultrahigh Capacity as Cathode Materials for Lithium-Ion Batteries. *Angewandte Chemie*, **2019**, 131, 7094-7098	3.6	29
466	Freestanding reduced graphene oxide/sodium vanadate composite films for flexible aqueous zinc-ion batteries. *Science China Chemistry*, **2019**, 62, 609-615	7.9	38
465	Unraveling the Formation of Amorphous MoS2 Nanograins during the Electrochemical Delithiation Process. *Advanced Functional Materials*, **2019**, 29, 1904843	15.6	26
464	Single Nickel Atoms on Nitrogen-Doped Graphene Enabling Enhanced Kinetics of Lithium-Sulfur Batteries. *Advanced Materials*, **2019**, 31, e1903955	24	263
463	Porous diatomite-mixed 1,4,5,8-NTCDA nanowires as high-performance electrode materials for lithium-ion batteries. *Nanoscale*, **2019**, 11, 15881-15891	7.7	16

462	Safety-reinforced rechargeable Li-CO2 battery based on a composite solid state electrolyte. *Nano Research*, **2019**, 12, 2543-2548	10	17
461	Microcrystalline copper foil as a high performance collector for lithium-ion batteries. *Journal of Power Sources*, **2019**, 438, 226973	8.9	14
460	Morphology tuning of inorganic nanomaterials grown by precipitation through control of electrolytic dissociation and supersaturation. *Nature Chemistry*, **2019**, 11, 695-701	17.6	58
459	Structure design and mechanism analysis of silicon anode for lithium-ion batteries. *Science China Materials*, **2019**, 62, 1515-1536	7.1	39
458	Mn-doped atomic SnO2 layers for highly efficient CO2 electrochemical reduction. *Journal of Materials Chemistry A*, **2019**, 7, 19651-19656	13	37
457	Photoinduced Oxygen Reduction Reaction Boosts the Output Voltage of a Zinc-Air Battery. *Angewandte Chemie - International Edition*, **2019**, 58, 12460-12464	16.4	66
456	Photoinduced Oxygen Reduction Reaction Boosts the Output Voltage of a Zinc□Air Battery. *Angewandte Chemie*, **2019**, 131, 12590-12594	3.6	14
455	Rechargeable Aqueous Polymer-Air Batteries Based on Polyanthraquinone Anode. *CheM*, **2019**, 5, 2159-2170	6.6	36
454	Tuning Oxygen Redox Chemistry in Li-Rich Mn-Based Layered Oxide Cathodes by Modulating Cation Arrangement. *Advanced Materials*, **2019**, 31, e1901808	24	55
453	Aqueous Batteries Operated at □50 □C. *Angewandte Chemie*, **2019**, 131, 17150-17155	3.6	24
452	Photo-energy Conversion and Storage in an Aprotic Li-O2 Battery. *Angewandte Chemie*, **2019**, 131, 19197-19202	3.6	20
451	Photo-energy Conversion and Storage in an Aprotic Li-O Battery. *Angewandte Chemie - International Edition*, **2019**, 58, 19021-19026	16.4	57
450	Aqueous Batteries Operated at -50 □C. *Angewandte Chemie - International Edition*, **2019**, 58, 16994-16999	16.4	129
449	Star Brush Block Copolymer Electrolytes with High Ambient-Temperature Ionic Conductivity for Quasi-Solid-State Lithium Batteries **2019**, 1, 606-612		18
448	MoS2-modified graphite felt as a high performance electrode material for zinc□polyiodide redox flow batteries. *Inorganic Chemistry Frontiers*, **2019**, 6, 731-735	6.8	7
447	Dual Interphase Layers In Situ Formed on a Manganese-Based Oxide Cathode Enable Stable Potassium Storage. *CheM*, **2019**, 5, 3220-3231	16.2	42
446	Layered HTiO/reduced graphene oxide nanosheets as a novel cathode for rechargeable magnesium batteries. *Chemical Communications*, **2019**, 55, 14578-14581	5.8	8
445	Spinel oxide nanoparticles embedded in nitrogen-doped carbon nanofibers as a robust and self-standing bifunctional oxygen cathode for Zn□air batteries. *Journal of Materials Chemistry A*, **2019**, 7, 24868-24876	13	48

444	Combining Quinone Cathode and Ionic Liquid Electrolyte for Organic Sodium-Ion Batteries. *CheM*, **2019**, 5, 364-375	16.2	65
443	Porous V2O5 nanofibers as cathode materials for rechargeable aqueous zinc-ion batteries. *Journal of Energy Chemistry*, **2019**, 38, 20-25	12	122
442	Self-assembly synthesis of solid polymer electrolyte with carbonate terminated poly(ethylene glycol) matrix and its application for solid state lithium battery. *Journal of Energy Chemistry*, **2019**, 38, 55-59	12	16
441	Three-Dimensional Porous Cobalt Phosphide Nanocubes Encapsulated in a Graphene Aerogel as an Advanced Anode with High Coulombic Efficiency for High-Energy Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 5373-5379	9.5	49
440	Recent Advances in 3D Graphene Architectures and Their Composites for Energy Storage Applications. *Small*, **2019**, 15, e1803858	11	74
439	Advanced nanostructured carbon-based materials for rechargeable lithium-sulfur batteries. *Carbon*, **2019**, 141, 400-416	10.4	174
438	Nanostructured NiMoO4 as active electrocatalyst for oxygen evolution. *Chinese Chemical Letters*, **2019**, 30, 319-323	8.1	31
437	Large-Area Reduced Graphene Oxide Composite Films for Flexible Asymmetric Sandwich and Microsized Supercapacitors. *Advanced Functional Materials*, **2018**, 28, 1707247	15.6	85
436	Review of Electrolytes in Nonaqueous Lithium□Oxygen Batteries. *Advanced Sustainable Systems*, **2018**, 2, 1700183	5.9	30
435	A Porous Network of Bismuth Used as the Anode Material for High-Energy-Density Potassium-Ion Batteries. *Angewandte Chemie*, **2018**, 130, 4777-4781	3.6	94
434	A Porous Network of Bismuth Used as the Anode Material for High-Energy-Density Potassium-Ion Batteries. *Angewandte Chemie - International Edition*, **2018**, 57, 4687-4691	16.4	322
433	Low-Cost K Fe(CN) as a High-Voltage Cathode for Potassium-Ion Batteries. *ChemSusChem*, **2018**, 11, 1285-1289	8	28
432	High-capacity aqueous zinc batteries using sustainable quinone electrodes. *Science Advances*, **2018**, 4, eaao1761	14.3	465
431	Super P Carbon Modified Lithium Anode for High-Performance Li□O2 Batteries. *ChemElectroChem*, **2018**, 5, 1702-1707	4.3	19
430	Aqueous rechargeable zinc/sodium vanadate batteries with enhanced performance from simultaneous insertion of dual carriers. *Nature Communications*, **2018**, 9, 1656	17.4	712
429	Room-temperature rechargeable Na-SO batteries containing a gel-polymer electrolyte. *Chemical Communications*, **2018**, 54, 5315-5318	5.8	8
428	The structure-electrochemical property relationship of quinone electrodes for lithium-ion batteries. *Physical Chemistry Chemical Physics*, **2018**, 20, 13478-13484	3.6	30
427	Flexible ultrathin all-solid-state supercapacitors. *Rare Metals*, **2018**, 37, 536-542	5.5	18

426	Defect electrocatalytic mechanism: concept, topological structure and perspective. *Materials Chemistry Frontiers*, **2018**, 2, 1250-1268	7.8	90
425	Nafion/Titanium Dioxide-Coated Lithium Anode for Stable Lithium-Sulfur Batteries. *Chemistry - an Asian Journal*, **2018**, 13, 1379-1385	4.5	24
424	Synergism induced exceptional capacity and complete reversibility in MgY thin films: enabling next generation metal hydride electrodes. *Energy and Environmental Science*, **2018**, 11, 1563-1570	35.4	11
423	Porphyrin-Based Symmetric Redox-Flow Batteries towards Cold-Climate Energy Storage. *Angewandte Chemie*, **2018**, 130, 3212-3216	3.6	23
422	Facile preparation of NH2-functionalized black phosphorene for the electrocatalytic hydrogen evolution reaction. *Journal of Materials Chemistry A*, **2018**, 6, 2494-2499	13	107
421	Transition-Metal-Triggered High-Efficiency Lithium Ion Storage via Coordination Interactions with Redox-Active Croconate in One-Dimensional Metal-Organic Anode Materials. *ACS Applied Materials & Interfaces*, **2018**, 10, 6398-6406	9.5	27
420	Graphene-Based Nanomaterials for Sodium-Ion Batteries. *Advanced Energy Materials*, **2018**, 8, 1702469	21.8	130
419	In situ atomic force microscopy study of nano-micro sodium deposition in ester-based electrolytes. *Chemical Communications*, **2018**, 54, 2381-2384	5.8	63
418	Achieving a stable Na metal anode with a 3D carbon fibre scaffold. *Inorganic Chemistry Frontiers*, **2018**, 5, 864-869	6.8	31
417	Dual-Functional Graphene Carbon as Polysulfide Trapper for High-Performance Lithium Sulfur Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 5594-5602	9.5	69
416	Porphyrin-Based Symmetric Redox-Flow Batteries towards Cold-Climate Energy Storage. *Angewandte Chemie - International Edition*, **2018**, 57, 3158-3162	16.4	70
415	All-solid-state supercapacitors with superior compressive strength and volumetric capacitance. *Energy Storage Materials*, **2018**, 13, 119-126	19.4	16
414	Flexible supercapacitors based on carbon nanotubes. *Chinese Chemical Letters*, **2018**, 29, 571-581	8.1	55
413	Rechargeable aqueous zinc-iodine batteries: pore confining mechanism and flexible device application. *Chemical Communications*, **2018**, 54, 6792-6795	5.8	63
412	High-Performance Aqueous Sodium-Ion Batteries with Hydrogel Electrolyte and Alloxazine/CMK-3 Anode. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 7761-7768	8.3	29
411	KTiOPO4 as a novel anode material for sodium-ion batteries. *Journal of Alloys and Compounds*, **2018**, 754, 147-152	5.7	5
410	High-performance rechargeable aqueous Zn-ion batteries with a poly(benzoquinonyl sulfide) cathode. *Inorganic Chemistry Frontiers*, **2018**, 5, 1391-1396	6.8	108
409	Turning optical switching properties of Mg-Y films in electrochemical process by tailoring composition. *Materials Research Express*, **2018**, 5, 036419	1.7	1

408	High-performance of sodium carboxylate-derived materials for electrochemical energy storage. *Science China Materials*, **2018**, 61, 707-718	7.1	18
407	A review of transition-metal boride/phosphide-based materials for catalytic hydrogen generation from hydrolysis of boron-hydrides. *Inorganic Chemistry Frontiers*, **2018**, 5, 760-772	6.8	58
406	Rapid low-temperature synthesis of perovskite/carbon nanocomposites as superior electrocatalysts for oxygen reduction in Zn-air batteries. *Nano Research*, **2018**, 11, 3282-3293	10	26
405	Metal-oxygen bonds: Stabilizing the intermediate species towards practical Li-air batteries. *Electrochimica Acta*, **2018**, 259, 313-320	6.7	10
404	Graphene-based materials for flexible energy storage devices. *Journal of Energy Chemistry*, **2018**, 27, 12-24	12	86
403	Sulfur nanoparticles encapsulated in reduced graphene oxide nanotubes for flexible lithium-sulfur batteries. *Nano Research*, **2018**, 11, 1345-1357	10	66
402	Flexible All-Solid-State Supercapacitors and Micro-Pattern Supercapacitors **2018**, 1-36		
401	Improved Dehydrogenation Performance of Li-B-N-H by Doped NiO. *Metals*, **2018**, 8, 258	2.3	2
400	Patterning Islandlike MnO Arrays by Breath-Figure Templates for Flexible Transparent Supercapacitors. *ACS Applied Materials & Interfaces*, **2018**, 10, 27001-27008	9.5	40
399	A novel PMA/PEG-based composite polymer electrolyte for all-solid-state sodium ion batteries. *Nano Research*, **2018**, 11, 6244-6251	10	29
398	Spent alkaline battery-derived manganese oxides as efficient oxygen electrocatalysts for Zn□ir batteries. *Inorganic Chemistry Frontiers*, **2018**, 5, 2167-2173	6.8	14
397	An All-Freeze-Casting Strategy to Design Typographical Supercapacitors with Integrated Architectures. *Small*, **2018**, 14, e1800280	11	18
396	Enhancing the Lithium Storage Capacities of Coordination Compounds for Advanced Lithium-Ion Battery Anodes via a Coordination Chemistry Approach. *Inorganic Chemistry*, **2018**, 57, 10640-10648	5.1	15
395	A Microporous Covalent-Organic Framework with Abundant Accessible Carbonyl Groups for Lithium-Ion Batteries. *Angewandte Chemie - International Edition*, **2018**, 57, 9443-9446	16.4	258
394	A Microporous Covalent□Organic Framework with Abundant Accessible Carbonyl Groups for Lithium-Ion Batteries. *Angewandte Chemie*, **2018**, 130, 9587-9590	3.6	31
393	Core-shell structured 1,4-benzoquinone@TiO2 cathode for lithium batteries. *Journal of Energy Chemistry*, **2018**, 27, 1644-1650	12	15
392	Molecular Electrostatic Potential: A New Tool to Predict the Lithiation Process of Organic Battery Materials. *Journal of Physical Chemistry Letters*, **2018**, 9, 3573-3579	6.4	73
391	Superhydrophilic amorphous Co□P nanosheet electrocatalysts with Pt-like activity and durability for the hydrogen evolution reaction. *Journal of Materials Chemistry A*, **2018**, 6, 22062-22069	13	98

390	Anion insertion enhanced electrodeposition of robust metal hydroxide/oxide electrodes for oxygen evolution. *Nature Communications*, **2018**, 9, 2373	17.4	188
389	Rechargeable Na-CO Batteries Starting from Cathode of NaCO and Carbon Nanotubes. *Research*, **2018**, 2018, 6914626	7.8	21
388	Plasma-processed homogeneous magnesium hydride/carbon nanocomposites for highly stable lithium storage. *Nano Research*, **2018**, 11, 2724-2732	10	6
387	Recent Developments on and Prospects for Electrode Materials with Hierarchical Structures for Lithium-Ion Batteries. *Advanced Energy Materials*, **2018**, 8, 1701415	21.8	321
386	A Flexible All-in-One Lithium-Sulfur Battery. *ACS Nano*, **2018**, 12, 12503-12511	16.7	69
385	Electrolyte and Interface Engineering for Solid-State Sodium Batteries. *Joule*, **2018**, 2, 1747-1770	27.8	204
384	Flexible and Tailorable NaCO2 Batteries Based on an All-Solid-State Polymer Electrolyte. *ChemElectroChem*, **2018**, 5, 3628-3632	4.3	30
383	Design Strategies toward Enhancing the Performance of Organic Electrode Materials in Metal-Ion Batteries. *CheM*, **2018**, 4, 2786-2813	16.2	276
382	Nickel-iron bimetallic diselenides with enhanced kinetics for high-capacity and long-life magnesium batteries. *Nano Energy*, **2018**, 54, 360-366	17.1	50
381	An Alternative to Lithium Metal Anodes: Non-dendritic and Highly Reversible Sodium Metal Anodes for Li-Na Hybrid Batteries. *Angewandte Chemie - International Edition*, **2018**, 57, 14796-14800	16.4	68
380	An Aqueous Rechargeable Zinc-Organic Battery with Hybrid Mechanism. *Advanced Functional Materials*, **2018**, 28, 1804975	15.6	295
379	All Carbon Dual Ion Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 35978-35983	9.5	62
378	Enhanced Electrochemical Kinetics and Polysulfide Traps of Indium Nitride for Highly Stable Lithium-Sulfur Batteries. *ACS Nano*, **2018**, 12, 9578-9586	16.7	146
377	An Alternative to Lithium Metal Anodes: Non-dendritic and Highly Reversible Sodium Metal Anodes for LiNa Hybrid Batteries. *Angewandte Chemie*, **2018**, 130, 15012-15016	3.6	10
376	Sodium-Ion Hybrid Capacitor of High Power and Energy Density. *ACS Central Science*, **2018**, 4, 1261-1265	16.8	55
375	Intercalation pseudocapacitance in flexible and self-standing V2O3 porous nanofibers for high-rate and ultra-stable K ion storage. *Nano Energy*, **2018**, 50, 462-467	17.1	136
374	Introducing ion-transport-regulating nanochannels to lithium-sulfur batteries. *Nano Energy*, **2017**, 33, 205-212	17.1	47
373	High K-storage performance based on the synergy of dipotassium terephthalate and ether-based electrolytes. *Energy and Environmental Science*, **2017**, 10, 552-557	35.4	299

372	Ultrasmall cobalt nanoparticles supported on nitrogen-doped porous carbon nanowires for hydrogen evolution from ammonia borane. *Materials Horizons*, **2017**, 4, 268-273	14.4	80
371	Flexible wire-shaped lithium-sulfur batteries with fibrous cathodes assembled via capillary action. *Nano Energy*, **2017**, 33, 325-333	17.1	54
370	MCNTs@MnO Nanocomposite Cathode Integrated with Soluble O-Carrier Co-salen in Electrolyte for High-Performance Li-Air Batteries. *Nano Letters*, **2017**, 17, 2073-2078	11.5	63
369	MnOOH nanorods as high-performance anodes for sodium ion batteries. *Chemical Communications*, **2017**, 53, 2435-2438	5.8	33
368	Quasi-solid state rechargeable Na-CO batteries with reduced graphene oxide Na anodes. *Science Advances*, **2017**, 3, e1602396	14.3	154
367	Design and integration of flexible planar micro-supercapacitors. *Nano Research*, **2017**, 10, 1524-1544	10	54
366	Flexible Li-CO2 Batteries with Liquid-Free Electrolyte. *Angewandte Chemie*, **2017**, 129, 5879-5883	3.6	18
365	Flexible Li-CO Batteries with Liquid-Free Electrolyte. *Angewandte Chemie - International Edition*, **2017**, 56, 5785-5789	16.4	118
364	Freestanding carbon fiber cloth/sulfur composites for flexible room-temperature sodium-sulfur batteries. *Energy Storage Materials*, **2017**, 8, 77-84	19.4	145
363	Foldable All-Solid-State Supercapacitors Integrated with Photodetectors. *Advanced Functional Materials*, **2017**, 27, 1604639	15.6	69
362	A 3D hierarchical porous Co3O4 nanotube network as an efficient cathode for rechargeable lithium□oxygen batteries. *Journal of Materials Chemistry A*, **2017**, 5, 14673-14681	13	41
361	Flexible and Free-Standing Organic/Carbon Nanotubes Hybrid Films as Cathode for Rechargeable Lithium-Ion Batteries. *Journal of Physical Chemistry C*, **2017**, 121, 14498-14506	3.8	40
360	Enhanced adsorption of carbonyl molecules on graphene via □Li-□interaction: a first-principle study. *Science China Materials*, **2017**, 60, 674-680	7.1	11
359	High-Capacity and Ultrafast Na-Ion Storage of a Self-Supported 3D Porous Antimony Persulfide-Graphene Foam Architecture. *Nano Letters*, **2017**, 17, 3668-3674	11.5	109
358	Structural and chemical synergistic effect of CoS nanoparticles and porous carbon nanorods for high-performance sodium storage. *Nano Energy*, **2017**, 35, 281-289	17.1	211
357	Molecular Engineering with Organic Carbonyl Electrode Materials for Advanced Stationary and Redox Flow Rechargeable Batteries. *Advanced Materials*, **2017**, 29, 1607007	24	177
356	Edge Engineering of MoS2 Nanoribbons as High Performance Electrode Material for Na-ion Battery: A First-Principle Study. *Chinese Journal of Chemistry*, **2017**, 35, 896-902	4.9	8
355	Size-controlled MoS2 nanodots supported on reduced graphene oxide for hydrogen evolution reaction and sodium-ion batteries. *Nano Research*, **2017**, 10, 2210-2222	10	43

354	Mechanistic Evolution of Aprotic Lithium-Oxygen Batteries. *Advanced Energy Materials*, **2017**, 7, 1602934	21.8	107
353	Amorphous Zr(OH) 4 coated LiNi 0.915 Co 0.075 Al 0.01 O 2 cathode material with enhanced electrochemical performance for lithium ion batteries. *Journal of Energy Chemistry*, **2017**, 26, 481-487	12	25
352	High Anode Performance of in Situ Formed Cu2Sb Nanoparticles Integrated on Cu Foil via Replacement Reaction for Sodium-Ion Batteries. *ACS Energy Letters*, **2017**, 2, 256-262	20.1	86
351	Stable layered Ni-rich LiNi0.9Co0.07Al0.03O2 microspheres assembled with nanoparticles as high-performance cathode materials for lithium-ion batteries. *Journal of Materials Chemistry A*, **2017**, 5, 2724-2731	13	131
350	Advanced Organic Electrode Materials for Rechargeable Sodium-Ion Batteries. *Advanced Energy Materials*, **2017**, 7, 1601792	21.8	327
349	Selenium Phosphide (Se4P4) as a New and Promising Anode Material for Sodium-Ion Batteries. *Advanced Energy Materials*, **2017**, 7, 1601973	21.8	107
348	Preparation and characterization of LiNi 0.8 Co 0.15 Al 0.05 O 2 with high cycling stability by using AlO 2 - as Al source. *Ceramics International*, **2017**, 43, 3885-3892	5.1	14
347	Highly stretchable integrated system for micro-supercapacitor with AC line filtering and UV detector. *Nano Energy*, **2017**, 42, 187-194	17.1	63
346	CoS Quantum Dot Nanoclusters for High-Energy Potassium-Ion Batteries. *Advanced Functional Materials*, **2017**, 27, 1702634	15.6	311
345	Phosphorus-Based Materials as the Anode for Sodium-Ion Batteries. *Small Methods*, **2017**, 1, 1700216	12.8	81
344	Controllable Preparation and Electrochemical Performance of Self-assembled Microspheres of □MnO2 Nanotubes. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2017**, 33, 1421-1428	3.8	2
343	Porous Multishelled Ni2P Hollow Microspheres as an Active Electrocatalyst for Hydrogen and Oxygen Evolution. *Chemistry of Materials*, **2017**, 29, 8539-8547	9.6	195
342	Rechargeable aqueous zinc-manganese dioxide batteries with high energy and power densities. *Nature Communications*, **2017**, 8, 405	17.4	850
341	Stretchable Lithium-Ion Batteries Enabled by Device-Scaled Wavy Structure and Elastic-Sticky Separator. *Advanced Energy Materials*, **2017**, 7, 1701076	21.8	120
340	Bulk Bismuth as a High-Capacity and Ultralong Cycle-Life Anode for Sodium-Ion Batteries by Coupling with Glyme-Based Electrolytes. *Advanced Materials*, **2017**, 29, 1702212	24	250
339	Na-CO batteries: devices to trap CO. *Chemical Communications*, **2017**, 53, 9312-9315	5.8	8
338	An Insoluble Benzoquinone-Based Organic Cathode for Use in Rechargeable Lithium-Ion Batteries. *Angewandte Chemie*, **2017**, 129, 12735-12739	3.6	27
337	Spinels: Controlled Preparation, Oxygen Reduction/Evolution Reaction Application, and Beyond. *Chemical Reviews*, **2017**, 117, 10121-10211	68.1	789

336	In Situ Atomic Force Microscopic Studies of Single Tin Nanoparticle: Sodiation and Desodiation in Liquid Electrolyte. *ACS Applied Materials & Interfaces*, **2017**, 9, 28620-28626	9.5	20
335	Spinel cobalt□anganese oxide supported on non-oxidized carbon nanotubes as a highly efficient oxygen reduction/evolution electrocatalyst. *Inorganic Chemistry Frontiers*, **2017**, 4, 1628-1633	6.8	27
334	A Consecutive Spray Printing Strategy to Construct and Integrate Diverse Supercapacitors on Various Substrates. *ACS Applied Materials & Interfaces*, **2017**, 9, 28612-28619	9.5	34
333	An Insoluble Benzoquinone-Based Organic Cathode for Use in Rechargeable Lithium-Ion Batteries. *Angewandte Chemie - International Edition*, **2017**, 56, 12561-12565	16.4	117
332	Robust self-supported anode by integrating Sb2S3 nanoparticles with S,N-codoped graphene to enhance K-storage performance. *Science China Chemistry*, **2017**, 60, 1533-1539	7.9	81
331	Electrospun Thin-Walled CuCoO@C Nanotubes as Bifunctional Oxygen Electrocatalysts for Rechargeable Zn-Air Batteries. *Nano Letters*, **2017**, 17, 7989-7994	11.5	152
330	Enhanced Conductivity and Structure Stability of Ti4+ Doped Li3VO4 as Anodes for Lithium-Ion Batteries. *Journal of Physical Chemistry C*, **2017**, 121, 26196-26201	3.8	31
329	Stable Na plating/stripping electrochemistry realized by a 3D Cu current collector with thin nanowires. *Chemical Communications*, **2017**, 53, 12910-12913	5.8	69
328	High-strength graphene composite films by molecular level couplings for flexible supercapacitors with high volumetric capacitance. *Journal of Materials Chemistry A*, **2017**, 5, 15008-15016	13	35
327	Nanostructured organic electrode materials grown on graphene with covalent-bond interaction for high-rate and ultra-long-life lithium-ion batteries. *Nano Research*, **2017**, 10, 4245-4255	10	38
326	Synthesis of size-controlled CoMn2O4 quantum dots supported on carbon nanotubes for electrocatalytic oxygen reduction/evolution. *Nano Research*, **2017**, 10, 3836-3847	10	35
325	Tetra-□itro-substituted phthalocyanines: a new organic electrode material for lithium batteries. *Journal of Solid State Electrochemistry*, **2017**, 21, 947-954	2.6	15
324	Large-Area Carbon Nanosheets Doped with Phosphorus: A High-Performance Anode Material for Sodium-Ion Batteries. *Advanced Science*, **2017**, 4, 1600243	13.6	356
323	Advance and Prospect of Functional Materials for Sodium Ion Batteries. *Acta Chimica Sinica*, **2017**, 75, 154	3.3	9
322	Resumption of the Discharged Li-AgVO3 Primary Batteries for Rechargeable Li-O2 Batteries. *Acta Chimica Sinica*, **2017**, 75, 199	3.3	8
321	In situ synthesis of Bi nanoflakes on Ni foam for sodium-ion batteries. *Chemical Communications*, **2017**, 54, 38-41	5.8	67
320	Quinones as Electrode Materials for Rechargeable Lithium Batteries. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2016**, 32, 1593-1603	3.8	4
319	Size-Tunable Olive-Like Anatase TiO Coated with Carbon as Superior Anode for Sodium-Ion Batteries. *Small*, **2016**, 12, 5554-5563	11	65

318	Cobalt-Doped FeS2 Nanospheres with Complete Solid Solubility as a High-Performance Anode Material for Sodium-Ion Batteries. *Angewandte Chemie - International Edition*, **2016**, 55, 12822-6	16.4	310
317	Cation-Deficient Spinel ZnMnO Cathode in Zn(CFSO) Electrolyte for Rechargeable Aqueous Zn-Ion Battery. *Journal of the American Chemical Society*, **2016**, 138, 12894-12901	16.4	1011
316	Cobalt-Doped FeS2 Nanospheres with Complete Solid Solubility as a High-Performance Anode Material for Sodium-Ion Batteries. *Angewandte Chemie*, **2016**, 128, 13014-13018	3.6	34
315	A Flexible Nanostructured Paper of a Reduced Graphene Oxide-Sulfur Composite for High-Performance Lithium-Sulfur Batteries with Unconventional Configurations. *Advanced Materials*, **2016**, 28, 9629-9636	24	268
314	Defect Graphene as a Trifunctional Catalyst for Electrochemical Reactions. *Advanced Materials*, **2016**, 28, 9532-9538	24	711
313	Oxocarbon Salts for Fast Rechargeable Batteries. *Angewandte Chemie*, **2016**, 128, 12716-12720	3.6	49
312	Layered Na2Ti3O7/MgNaTi3O7/Mg0.5NaTi3O7 Nanoribbons as High-Performance Anode of Rechargeable Mg-Ion Batteries. *ACS Energy Letters*, **2016**, 1, 1165-1172	20.1	49
311	SiO-coated LiNiCoAlO cathode material for rechargeable Li-ion batteries. *Nanoscale*, **2016**, 8, 19263-19269	7.7	85
310	Rechargeable Room-Temperature Na-CO2 Batteries. *Angewandte Chemie - International Edition*, **2016**, 55, 6482-6	16.4	157
309	Unconventional supercapacitors from nanocarbon-based electrode materials to device configurations. *Chemical Society Reviews*, **2016**, 45, 4340-63	58.5	396
308	Reaction Mechanism of Ethanol on Model Cobalt Catalysts: DFT Calculations. *Journal of Physical Chemistry C*, **2016**, 120, 14198-14208	3.8	17
307	MoS2 with an intercalation reaction as a long-life anode material for lithium ion batteries. *Inorganic Chemistry Frontiers*, **2016**, 3, 532-535	6.8	63
306	Na-X zeolite templated and sulfur-impregnated porous carbon as the cathode for a high-performance Li–S battery. *RSC Advances*, **2016**, 6, 9117-9123	3.7	9
305	Facile synthesis and electrochemical sodium storage of CoS2 micro/nano-structures. *Nano Research* , **2016**, 9, 198-206	10	122
304	Carboxyl-conjugated phthalocyanines used as novel electrode materials with high specific capacity for lithium-ion batteries. *Journal of Solid State Electrochemistry*, **2016**, 20, 1285-1294	2.6	27
303	A Core-Shell Si@NiSi2/Ni/C Nanocomposite as an Anode Material for Lithium-ion Batteries. *Electrochimica Acta*, **2016**, 192, 303-309	6.7	29
302	Superior high-rate capability of Na3(VO(0.5))2(PO4)2F2 nanoparticles embedded in porous graphene through the pseudocapacitive effect. *Chemical Communications*, **2016**, 52, 3653-6	5.8	72
301	Multi-functional electrospun nanofibres for advances in tissue regeneration, energy conversion & storage, and water treatment. *Chemical Society Reviews*, **2016**, 45, 1225-41	58.5	274

300	Cobalt nanoparticles embedded in porous N-doped carbon as long-life catalysts for hydrolysis of ammonia borane. *Catalysis Science and Technology*, **2016**, 6, 3443-3448	5.5	79
299	Template-free synthesis of porous graphitic carbon nitride/carbon composite spheres for electrocatalytic oxygen reduction reaction. *Chemical Communications*, **2016**, 52, 1725-8	5.8	80
298	Polypyrrole-coated hierarchical porous composites nanoarchitectures for advanced solid-state flexible hybrid devices. *Nano Energy*, **2016**, 19, 307-317	17.1	26
297	In-situ Preparation of Na2Ti3O7 Nanosheets as High-Performance Anodes for Sodium Ion Batteries. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2016**, 32, 349-355	3.8	6
296	Nanofibrous Co3O4/PPy Hybrid with Synergistic Effect as Bifunctional Catalyst for Lithium-Oxygen Batteries. *Advanced Materials Interfaces*, **2016**, 3, 1600030	4.6	29
295	A Sulfur Heterocyclic Quinone Cathode and a Multifunctional Binder for a High-Performance Rechargeable Lithium-Ion Battery. *Angewandte Chemie - International Edition*, **2016**, 55, 6428-32	16.4	146
294	A Sulfur Heterocyclic Quinone Cathode and a Multifunctional Binder for a High-Performance Rechargeable Lithium-Ion Battery. *Angewandte Chemie*, **2016**, 128, 6538-6542	3.6	28
293	Rechargeable Room-Temperature Na□O2 Batteries. *Angewandte Chemie*, **2016**, 128, 6592-6596	3.6	38
292	Cadmium(II)-Triazole Framework as a Luminescent Probe for Ca(2+) and Cyano Complexes. *Chemistry - A European Journal*, **2016**, 22, 10459-74	4.8	49
291	Elucidating dz2 orbital selective catalytic activity in brownmillerite Ca2Mn2O5. *AIP Advances*, **2016**, 6, 095210	1.5	5
290	A solid lithium superionic conductor Li11AlP2S12 with a thio-LISICON analogous structure. *Chemical Communications*, **2016**, 52, 6091-4	5.8	45
289	Electrochemical properties of carbonyl substituted phthalocyanines as electrode materials for lithium-ion batteries. *RSC Advances*, **2016**, 6, 52850-52853	3.7	18
288	Facile Spraying Synthesis and High-Performance Sodium Storage of Mesoporous MoS2/C Microspheres. *Advanced Functional Materials*, **2016**, 26, 911-918	15.6	169
287	MnFe2O4@C Nanofibers as High-Performance Anode for Sodium-Ion Batteries. *Nano Letters*, **2016**, 16, 3321-8	11.5	283
286	A Co3O4@MnO2/Ni nanocomposite as a carbon- and binder-free cathode for rechargeable Li□O2 batteries. *Inorganic Chemistry Frontiers*, **2016**, 3, 866-871	6.8	49
285	A Coordination Chemistry Approach for Lithium-Ion Batteries: The Coexistence of Metal and Ligand Redox Activities in a One-Dimensional Metal-Organic Material. *Inorganic Chemistry*, **2016**, 55, 4935-40	5.1	56
284	Rechargeable Lithium Batteries with Electrodes of Small Organic Carbonyl Salts and Advanced Electrolytes. *Industrial & Engineering Chemistry Research*, **2016**, 55, 5795-5804	3.9	74
283	Oxocarbon Salts for Fast Rechargeable Batteries. *Angewandte Chemie - International Edition*, **2016**, 55, 12528-32	16.4	195

282	LiAlH4 supported on TiO2/hierarchically porous carbon nanocomposites with enhanced hydrogen storage properties. *Inorganic Chemistry Frontiers*, **2016**, 3, 1536-1542	6.8	16
281	Ultrasmall SnS nanoparticles embedded in carbon spheres: a high-performance anode material for sodium ion batteries. *RSC Advances*, **2016**, 6, 95805-95811	3.7	25
280	Stirring-assisted hydrothermal synthesis of ultralong □MnO2 nanowires for oxygen reduction reaction. *Inorganic Chemistry Frontiers*, **2016**, 3, 928-933	6.8	21
279	Integrated Carbon/Red Phosphorus/Graphene Aerogel 3D Architecture via Advanced Vapor-Redistribution for High-Energy Sodium-Ion Batteries. *Advanced Energy Materials*, **2016**, 6, 1601037	21.8	182
278	Urchin-Like CoSe2 as a High-Performance Anode Material for Sodium-Ion Batteries. *Advanced Functional Materials*, **2016**, 26, 6728-6735	15.6	388
277	Porous perovskite calcium□manganese oxide microspheres as an efficient catalyst for rechargeable sodium□oxygen batteries. *Journal of Materials Chemistry A*, **2015**, 3, 3320-3324	13	79
276	Chemical etching of manganese oxides for electrocatalytic oxygen reduction reaction. *Chemical Communications*, **2015**, 51, 11599-602	5.8	55
275	Rechargeable Lithium-Iodine Batteries with Iodine/Nanoporous Carbon Cathode. *Nano Letters*, **2015**, 15, 5982-7	11.5	133
274	3D Cu-doped CoS porous nanosheet films as superior counterelectrodes for quantum dot-sensitized solar cells. *Nano Energy*, **2015**, 16, 163-172	17.1	42
273	Micro-nano structured Ni-MOFs as high-performance cathode catalyst for rechargeable Li-O2 batteries. *Nanoscale*, **2015**, 7, 11833-40	7.7	59
272	Controlled synthesis of porous spinel cobaltite core-shell microspheres as high-performance catalysts for rechargeable Li□O2 batteries. *Nano Energy*, **2015**, 13, 718-726	17.1	36
271	FeSe2 Microspheres as a High-Performance Anode Material for Na-Ion Batteries. *Advanced Materials*, **2015**, 27, 3305-9	24	483
270	High-Performance Organic Lithium Batteries with an Ether-Based Electrolyte and 9,10-Anthraquinone (AQ)/CMK-3 Cathode. *Advanced Science*, **2015**, 2, 1500018	13.6	126
269	CuCo nanoparticles supported on hierarchically porous carbon as catalysts for hydrolysis of ammonia borane. *Journal of Alloys and Compounds*, **2015**, 651, 382-388	5.7	63
268	Phosphorus Nanoparticles Encapsulated in Graphene Scrolls as a High-Performance Anode for Sodium-Ion Batteries. *ChemElectroChem*, **2015**, 2, 1652-1655	4.3	69
267	Review□Advanced Carbon-Supported Organic Electrode Materials for Lithium (Sodium)-Ion Batteries. *Journal of the Electrochemical Society*, **2015**, 162, A2393-A2405	3.9	99
266	The enhanced hydrogen storage of micro-nanostructured hybrids of Mg(BH4)2-carbon nanotubes. *Nanoscale*, **2015**, 7, 18305-11	7.7	25
265	One-Dimensional Rod-Like Sb□□Based Anode for High-Performance Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2015**, 7, 19362-9	9.5	193

264	Spherical nano-Sb@C composite as a high-rate and ultra-stable anode material for sodium-ion batteries. *Nano Research*, **2015**, 8, 3384-3393	10	145
263	Soil as an inexhaustible and high-performance anode material for Li-ion batteries. *Chemical Communications*, **2015**, 51, 15827-30	5.8	6
262	Micro-nanostructured CuO/C spheres as high-performance anode materials for Na-ion batteries. *Nanoscale*, **2015**, 7, 2770-6	7.7	107
261	The disodium salt of 2,5-dihydroxy-1,4-benzoquinone as anode material for rechargeable sodium ion batteries. *Chemical Communications*, **2015**, 51, 1446-8	5.8	69
260	Ice-templated preparation and sodium storage of ultrasmall SnO2 nanoparticles embedded in three-dimensional graphene. *Nano Research*, **2015**, 8, 184-192	10	66
259	Mechanistic investigation of ion migration in Na3V2(PO4)2F3 hybrid-ion batteries. *Physical Chemistry Chemical Physics*, **2015**, 17, 159-65	3.6	45
258	Double shelled hollow SnO2/polymer microsphere as a high-capacity anode material for superior reversible lithium ion storage. *Journal of Materials Chemistry A*, **2015**, 3, 1068-1076	13	48
257	3D Porous □Fe2O3@C Nanocomposite as High-Performance Anode Material of Na-Ion Batteries. *Advanced Energy Materials*, **2015**, 5, 1401123	21.8	285
256	Uniform MnO2 nanostructures supported on hierarchically porous carbon as efficient electrocatalysts for rechargeable Li-O2 batteries. *Nano Research*, **2015**, 8, 156-164	10	60
255	Efficiently Enhancing Oxygen Reduction Electrocatalytic Activity of MnO2 Using Facile Hydrogenation. *Advanced Energy Materials*, **2015**, 5, 1400654	21.8	73
254	Nanostructured Mn-based oxides for electrochemical energy storage and conversion. *Chemical Society Reviews*, **2015**, 44, 699-728	58.5	609
253	Oxygen bubble-templated hierarchical porous □MnO2 as a superior catalyst for rechargeable Li-O2 batteries. *Small*, **2015**, 11, 809-13	11	76
252	Nanocomposite of Fe2 O3 @C@MnO2 as an Efficient Cathode Catalyst for Rechargeable Lithium-Oxygen Batteries. *Small*, **2015**, 11, 5545-50	11	51
251	WS2 Nanowires as a High-Performance Anode for Sodium-Ion Batteries. *Chemistry - A European Journal*, **2015**, 21, 11878-84	4.8	135
250	Recent Advances and Prospects of Cathode Materials for Sodium-Ion Batteries. *Advanced Materials*, **2015**, 27, 5343-64	24	746
249	Highly compressible and all-solid-state supercapacitors based on nanostructured composite sponge. *Advanced Materials*, **2015**, 27, 6002-8	24	187
248	Tin Nanodots Encapsulated in Porous Nitrogen-Doped Carbon Nanofibers as a Free-Standing Anode for Advanced Sodium-Ion Batteries. *Advanced Materials*, **2015**, 27, 6702-7	24	445
247	Recycling Application of Li□MnO2 Batteries as Rechargeable Lithium□Air Batteries. *Angewandte Chemie*, **2015**, 127, 4412-4417	3.6	18

246	Kinetics of Iodine-Free Redox Shuttles in Dye-Sensitized Solar Cells: Interfacial Recombination and Dye Regeneration. *Accounts of Chemical Research*, **2015**, 48, 1541-50	24.3	88
245	Rapid Synthesis and Efficient Electrocatalytic Oxygen Reduction/Evolution Reaction of CoMn2O4 Nanodots Supported on Graphene. *Inorganic Chemistry*, **2015**, 54, 5467-74	5.1	95
244	Phase and composition controllable synthesis of cobalt manganese spinel nanoparticles towards efficient oxygen electrocatalysis. *Nature Communications*, **2015**, 6, 7345	17.4	422
243	Highly stable and ultrafast electrode reaction of graphite for sodium ion batteries. *Journal of Power Sources*, **2015**, 293, 626-634	8.9	196
242	High-performance sodium batteries with the 9,10-anthraquinone/CMK-3 cathode and an ether-based electrolyte. *Chemical Communications*, **2015**, 51, 10244-7	5.8	96
241	FeS2 microspheres with an ether-based electrolyte for high-performance rechargeable lithium batteries. *Journal of Materials Chemistry A*, **2015**, 3, 12898-12904	13	101
240	Sn□Al core□shell nanocomposite as thin film anode for lithium-ion batteries. *Journal of Alloys and Compounds*, **2015**, 644, 742-749	5.7	15
239	A soil/Vulcan XC-72 hybrid as a highly-effective catalytic cathode for rechargeable Li□O2 batteries. *Inorganic Chemistry Frontiers*, **2015**, 2, 1006-1010	6.8	8
238	Ultrasmall Sn Nanoparticles Embedded in Carbon as High-Performance Anode for Sodium-Ion Batteries. *Advanced Functional Materials*, **2015**, 25, 214-220	15.6	443
237	Sulfur nanodots electrodeposited on ni foam as high-performance cathode for Li-S batteries. *Nano Letters*, **2015**, 15, 721-6	11.5	149
236	Recycling application of Li-MnO□batteries as rechargeable lithium-air batteries. *Angewandte Chemie - International Edition*, **2015**, 54, 4338-43	16.4	94
235	A Potential Regularity for Enhancing the Hydrogenation Properties of Ni2P. *Journal of Physical Chemistry C*, **2015**, 119, 2557-2565	3.8	19
234	Pyrite FeS2 for high-rate and long-life rechargeable sodium batteries. *Energy and Environmental Science*, **2015**, 8, 1309-1316	35.4	545
233	Fabrication of spinel one-dimensional architectures by single-spinneret electrospinning for energy storage applications. *ACS Nano*, **2015**, 9, 1945-54	16.7	302
232	The anion effect on the oxygen reduction of MnX (X = O, S, and Se) catalysts. *Journal of Materials Chemistry A*, **2015**, 3, 3425-3431	13	27
231	M(salen)-derived nitrogen-doped M/C (M = Fe, Co, Ni) porous nanocomposites for electrocatalytic oxygen reduction. *Scientific Reports*, **2014**, 4, 4386	4.9	79
230	□MnO2 nanostructures directly grown on Ni foam: a cathode catalyst for rechargeable Li-O2 batteries. *Nanoscale*, **2014**, 6, 3522-5	7.7	101
229	Ultrasmall Sn nanoparticles embedded in nitrogen-doped porous carbon as high-performance anode for lithium-ion batteries. *Nano Letters*, **2014**, 14, 153-7	11.5	490

228	Porous CuO nanowires as the anode of rechargeable Na-ion batteries. *Nano Research*, **2014**, 7, 199-208	10	204
227	Li2□Fe1□AlxSiO4/C Nanocomposites Cathodes for Lithium-Ion Batteries. *Energy Technology*, **2014**, 2, 355-361	3.5	11
226	Size effect of lithium peroxide on charging performance of Li-O2 batteries. *Nanoscale*, **2014**, 6, 177-80	7.7	70
225	Porous perovskite CaMnO3 as an electrocatalyst for rechargeable Li-O2 batteries. *Chemical Communications*, **2014**, 50, 1497-9	5.8	119
224	MoS2 nanoflowers with expanded interlayers as high-performance anodes for sodium-ion batteries. *Angewandte Chemie - International Edition*, **2014**, 53, 12794-8	16.4	585
223	Investigation of the sodium ion pathway and cathode behavior in Na□V□(PO□)□□combined via a first principles calculation. *Langmuir*, **2014**, 30, 12438-46	4	78
222	All-solid-state lithium organic battery with composite polymer electrolyte and pillar[5]quinone cathode. *Journal of the American Chemical Society*, **2014**, 136, 16461-4	16.4	305
221	A graphene-like MoS2/graphene nanocomposite as a highperformance anode for lithium ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 13109-13115	13	210
220	A study into the extracted ion number for NASICON structured Na□V□(PO□)□in sodium-ion batteries. *Physical Chemistry Chemical Physics*, **2014**, 16, 17681-7	3.6	79
219	Pitaya-like Sn@C nanocomposites as high-rate and long-life anode for lithium-ion batteries. *Nanoscale*, **2014**, 6, 2827-32	7.7	124
218	Porous 0.2Li2MnO3□0.8LiNi0.5Mn0.5O2 nanorods as cathode materials for lithium-ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 1636-1640	13	64
217	Magnetic Ni and Ni/Pt hollow nanospheres and their catalytic activities for hydrolysis of ammonia borane. *Journal of Materials Chemistry A*, **2014**, 2, 18171-18176	13	29
216	Cobalt sulfide nanosheet/graphene/carbon nanotube nanocomposites as flexible electrodes for hydrogen evolution. *Angewandte Chemie - International Edition*, **2014**, 53, 12594-9	16.4	131
215	Na3V2(PO4)3@C core□shell nanocomposites for rechargeable sodium-ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 8668-8675	13	287
214	First exploration of Na-ion migration pathways in the NASICON structure Na3V2(PO4)3. *Journal of Materials Chemistry A*, **2014**, 2, 5358	13	172
213	2,2?-Bis(3-hydroxy-1,4-naphthoquinone)/CMK-3 nanocomposite as cathode material for lithium-ion batteries. *Inorganic Chemistry Frontiers*, **2014**, 1, 193-199	6.8	64
212	Polypyrrole-cobalt-carbon nanocomposites as efficient counter electrode materials for dye-sensitized solar cells. *Science China Chemistry*, **2014**, 57, 1559-1563	7.9	6
211	Nonstoichiometric perovskite CaMnO(3-□for oxygen electrocatalysis with high activity. *Inorganic Chemistry*, **2014**, 53, 9106-14	5.1	171

210	Ti/Si/Ti sandwich-like thin film as the anode of lithium-ion batteries. *Journal of Power Sources*, **2014**, 248, 1141-1148	8.9	46
209	Carbon-supported Ni3B nanoparticles as catalysts for hydrogen generation from hydrolysis of ammonia borane. *International Journal of Hydrogen Energy*, **2014**, 39, 6987-6994	6.7	37
208	All organic sodium-ion batteries with Na□C□H□O□ *Angewandte Chemie - International Edition*, **2014**, 53, 5892-6	16.4	313
207	Hydrogenated uniform Pt clusters supported on porous CaMnO(3) as a bifunctional electrocatalyst for enhanced oxygen reduction and evolution. *Advanced Materials*, **2014**, 26, 2047-51	24	214
206	Ni nanoparticles supported on carbon as efficient catalysts for the hydrolysis of ammonia borane. *Nano Research*, **2014**, 7, 774-781	10	61
205	Hydrothermal synthesis of spindle-like Li2FeSiO4-C composite as cathode materials for lithium-ion batteries. *Journal of Energy Chemistry*, **2014**, 23, 274-281	12	17
204	All Organic Sodium-Ion Batteries with Na4C8H2O6. *Angewandte Chemie*, **2014**, 126, 6002-6006	3.6	114
203	Ultrasmall Li2S nanoparticles anchored in graphene nanosheets for high-energy lithium-ion batteries. *Scientific Reports*, **2014**, 4, 6467	4.9	113
202	MoS2 Nanoflowers with Expanded Interlayers as High-Performance Anodes for Sodium-Ion Batteries. *Angewandte Chemie*, **2014**, 126, 13008-13012	3.6	293
201	Inorganic & organic materials for rechargeable Li batteries with multi-electron reaction. *Science China Materials*, **2014**, 57, 42-58	7.1	68
200	Potassium-sulfur batteries: a new member of room-temperature rechargeable metal-sulfur batteries. *Inorganic Chemistry*, **2014**, 53, 9000-5	5.1	143
199	Magnesium□air batteries: from principle to application. *Materials Horizons*, **2014**, 1, 196-206	14.4	265
198	?????????????[5]????. *Scientia Sinica Chimica*, **2014**, 44, 1175-1180	1.6	2
197	Solvo/Hydrothermal Preparation of MnOx@rGO Nanocomposites for Electrocatalytic Oxygen Reduction. *Acta Chimica Sinica*, **2014**, 72, 920	3.3	7
196	Fused Heteroaromatic Organic Compounds for High-Power Electrodes of Rechargeable Lithium Batteries. *Advanced Energy Materials*, **2013**, 3, 600-605	21.8	236
195	Li3V2(PO4)3@C core-shell nanocomposite as a superior cathode material for lithium-ion batteries. *Nanoscale*, **2013**, 5, 6485-90	7.7	122
194	Understanding electrode materials of rechargeable lithium batteries via DFT calculations. *Progress in Natural Science: Materials International*, **2013**, 23, 256-272	3.6	48
193	Spinel LiNi0.5Mn1.5O4 cathode for rechargeable lithiumion batteries: Nano vs micro, ordered phase (P4332) vs disordered phase (Fd (bar 3) m). *Nano Research*, **2013**, 6, 679-687	10	101

192	Quasi-solid-state rechargeable lithium-ion batteries with a calix[4]quinone cathode and gel polymer electrolyte. *Angewandte Chemie - International Edition*, **2013**, 52, 9162-6	16.4	225
191	Organic Li4C8H2O6 nanosheets for lithium-ion batteries. *Nano Letters*, **2013**, 13, 4404-9	11.5	288
190	Ordered spinel LiNi0.5Mn1.5O4 nanorods for high-rate lithium-ion batteries. *Journal of Electroanalytical Chemistry*, **2013**, 688, 113-117	4.1	30
189	Quasi-Solid-State Rechargeable Lithium-Ion Batteries with a Calix[4]quinone Cathode and Gel Polymer Electrolyte. *Angewandte Chemie*, **2013**, 125, 9332-9336	3.6	49
188	Biocompatible shaped particles from dried multilayer polymer capsules. *Biomacromolecules*, **2013**, 14, 3830-41	6.9	74
187	Intergrown LiNi0.5Mn1.5O4–LiNi1/3Co1/3Mn1/3O2 composite nanorods as high-energy density cathode materials for lithium-ion batteries. *Journal of Materials Chemistry A*, **2013**, 1, 13742	13	15
186	Porous calcium–manganese oxide microspheres for electrocatalytic oxygen reduction with high activity. *Chemical Science*, **2013**, 4, 368-376	9.4	147
185	Function-oriented design of conjugated carbonyl compound electrodes for high energy lithium batteries. *Chemical Science*, **2013**, 4, 1330	9.4	291
184	Li2MnSiO4@C nanocomposite as a high-capacity cathode material for Li-ion batteries. *Journal of Materials Chemistry A*, **2013**, 1, 12650	13	39
183	Composite of sulfur impregnated in porous hollow carbon spheres as the cathode of Li-S batteries with high performance. *Nano Research*, **2013**, 6, 38-46	10	206
182	Development of MoS2–CNT Composite Thin Film from Layered MoS2 for Lithium Batteries. *Advanced Energy Materials*, **2013**, 3, 798-805	21.8	263
181	Bistable magnetoresistance switching in exchange-coupled CoFe2O4–Fe3O4 binary nanocrystal superlattices by self-assembly and thermal annealing. *ACS Nano*, **2013**, 7, 1478-86	16.7	73
180	Intergrown Li2FeSiO4–LiFePO4-C nanocomposites as high-capacity cathode materials for lithium-ion batteries. *Chemical Communications*, **2013**, 49, 3040-2	5.8	62
179	Arylamine organic dyes for dye-sensitized solar cells. *Chemical Society Reviews*, **2013**, 42, 3453-88	58.5	909
178	Nanoporous Ni-based catalysts for hydrogen generation from hydrolysis of ammonia borane. *International Journal of Hydrogen Energy*, **2013**, 38, 5768-5774	6.7	40
177	Enhancing electrocatalytic oxygen reduction on MnO(2) with vacancies. *Angewandte Chemie - International Edition*, **2013**, 52, 2474-7	16.4	540
176	LiNi(0.5)Mn(1.5)O4 porous nanorods as high-rate and long-life cathodes for Li-ion batteries. *Nano Letters*, **2013**, 13, 2822-5	11.5	233
175	A repeated halving approach to fabricate ultrathin single-walled carbon nanotube films for transparent supercapacitors. *Small*, **2013**, 9, 518-24	11	86

174	A quantum-chemical study on the discharge reaction mechanism of lithium-sulfur batteries. *Journal of Energy Chemistry*, **2013**, 22, 72-77	12	141
173	Investigation of effects of carbon coating on the electrochemical performance of Li4Ti5O12/C nanocomposites. *Journal of Materials Chemistry A*, **2013**, 1, 9484	13	170
172	Functional porous carbon-based composite electrode materials for lithium secondary batteries. *Journal of Energy Chemistry*, **2013**, 22, 214-225	12	40
171	PdNi hollow nanoparticles for improved electrocatalytic oxygen reduction in alkaline environments. *ACS Applied Materials & Interfaces*, **2013**, 5, 12708-15	9.5	98
170	Enhancing Electrocatalytic Oxygen Reduction on MnO2 with Vacancies. *Angewandte Chemie*, **2013**, 125, 2534-2537	3.6	80
169	Spindle-Like LiMnPO4 Assembled by Nanorods with Different Crystallographic Orientations as the Cathode of Lithium-Ion Batteries. *Science of Advanced Materials*, **2013**, 5, 1676-1685	2.3	6
168	Organic conjugated carbonyl compounds as electrode materials for lithium-ion batteries. *Chinese Science Bulletin*, **2013**, 58, 3132-3139	2.9	6
167	Nanoporous Catalysts for Rechargeable Li-air Batteries. *Acta Chimica Sinica*, **2013**, 71, 473	3.3	14
166	First-principles Study on Metal-doped LiNi0.5Mn1.5O4as a Cathode Material for Rechargeable Li-Ion Batteries. *Acta Chimica Sinica*, **2013**, 71, 1029	3.3	11
165	Decreasing the thermal dehydrogenation temperature of methylamine borane (MeAB) by mixing with poly(methyl acrylate) (PMA). *International Journal of Hydrogen Energy*, **2012**, 37, 7638-7644	6.7	38
164	Porous Li2FeSiO4/C nanocomposite as the cathode material of lithium-ion batteries. *Journal of Power Sources*, **2012**, 198, 229-235	8.9	161
163	Facile polymer-assisted synthesis of LiNi0.5Mn1.5O4 with a hierarchical micro□ano structure and high rate capability. *RSC Advances*, **2012**, 2, 5669	3.7	100
162	A thermally and electrochemically stable organic hole-transporting material with an adamantane central core and triarylamine moieties. *Synthetic Metals*, **2012**, 162, 490-496	3.6	41
161	Facile solvothermal synthesis of CaMn2O4 nanorods for electrochemical oxygen reduction. *Journal of Materials Chemistry*, **2012**, 22, 15812		72
160	Porous MnO2 hollow cubes as new nanoscaffold materials for the dehydrogenation promotion of ammonia-borane (AB). *Microporous and Mesoporous Materials*, **2012**, 161, 40-47	5.3	13
159	Si□ multi-layer thin films as anode materials of high-capacity lithium-ion batteries. *Journal of Power Sources*, **2012**, 217, 102-107	8.9	18
158	Nickel-Metal Hydride (Ni-MH) Rechargeable Batteries **2012**, 175-237		2
157	A □keleton/skin□trategy for preparing ultrathin free-standing single-walled carbon nanotube/polyaniline films for high performance supercapacitor electrodes. *Energy and Environmental Science*, **2012**, 5, 8726	35.4	282

156	Promoted hydrogen release from ammonia borane with mannitol via a solid-state reaction route. *Dalton Transactions*, **2012**, 41, 871-5	4.3	16
155	Metal-air batteries: from oxygen reduction electrochemistry to cathode catalysts. *Chemical Society Reviews*, **2012**, 41, 2172-92	58.5	1978
154	First-Principles Study of Zigzag MoS2 Nanoribbon As a Promising Cathode Material for Rechargeable Mg Batteries. *Journal of Physical Chemistry C*, **2012**, 116, 1307-1312	3.8	141
153	A leavening strategy to prepare reduced graphene oxide foams. *Advanced Materials*, **2012**, 24, 4144-50	24	701
152	Organic Electrode Materials for Rechargeable Lithium Batteries. *Advanced Energy Materials*, **2012**, 2, 742-769	21.8	973
151	Organic Electrodes: Organic Electrode Materials for Rechargeable Lithium Batteries (Adv. Energy Mater. 7/2012). *Advanced Energy Materials*, **2012**, 2, 702-702	21.8	10
150	Facile Oxygen Reduction on a Three-Dimensionally Ordered Macroporous Graphitic C3N4/Carbon Composite Electrocatalyst. *Angewandte Chemie*, **2012**, 124, 3958-3962	3.6	146
149	Facile oxygen reduction on a three-dimensionally ordered macroporous graphitic C3N4/carbon composite electrocatalyst. *Angewandte Chemie - International Edition*, **2012**, 51, 3892-6	16.4	549
148	Efficient hydrogen storage with the combination of lightweight Mg/MgH2 and nanostructures. *Chemical Communications*, **2012**, 48, 7334-43	5.8	132
147	Secondary battery systems for energy storage in smart grids. *Chinese Science Bulletin*, **2012**, 57, 2545-2560	1.9	7
146	Porous LiMn2O4 nanorods with durable high-rate capability for rechargeable Li-ion batteries. *Energy and Environmental Science*, **2011**, 4, 3668	35.4	238
145	Compact-designed supercapacitors using free-standing single-walled carbon nanotube films. *Energy and Environmental Science*, **2011**, 4, 1440	35.4	287
144	Compositional effects of PEDOT-PSS/single walled carbon nanotube films on supercapacitor device performance. *Journal of Materials Chemistry*, **2011**, 21, 15987		174
143	NANOSTRUCTURED ELECTRODE MATERIALS FOR LITHIUM BATTERIES **2011**, 85-126		
142	Controllable synthesis and characterization of porous FeVO4 nanorods and nanoparticles. *CrystEngComm*, **2011**, 13, 897-901	3.3	34
141	Preparation and electrochemical performance of copper foam-supported amorphous silicon thin films for rechargeable lithium-ion batteries. *Journal of Alloys and Compounds*, **2011**, 509, 2919-2923	5.7	41
140	Synthesis and electrochemical properties of porous LiV3O8 as cathode materials for lithium-ion batteries. *Journal of Alloys and Compounds*, **2011**, 509, 6030-6035	5.7	22
139	Ab initio investigation of structures, electronic and thermodynamic properties for Li-Mg-H ternary system. *Journal of Alloys and Compounds*, **2011**, 509, 8228-8234	5.7	17

138	Hydrogen Releasing of Lithium Amidoborane-LiNH2BH3. *Materials Transactions*, **2011**, 52, 651-653	1.3	7
137	Rapid room-temperature synthesis of nanocrystalline spinels as oxygen reduction and evolution electrocatalysts. *Nature Chemistry*, **2011**, 3, 79-84	17.6	1061
136	Nanoporous graphitic-C3N4@carbon metal-free electrocatalysts for highly efficient oxygen reduction. *Journal of the American Chemical Society*, **2011**, 133, 20116-9	16.4	869
135	Preparation of Li4Ti5O12 submicrospheres and their application as anode materials of rechargeable lithium-ion batteries. *Science China Chemistry*, **2011**, 54, 936-940	7.9	13
134	Rechargeable Mg batteries with graphene-like MoS□ cathode and ultrasmall Mg nanoparticle anode. *Advanced Materials*, **2011**, 23, 640-3	24	397
133	Functional materials for rechargeable batteries. *Advanced Materials*, **2011**, 23, 1695-715	24	1269
132	Silica hollow nanospheres as new nanoscaffold materials to enhance hydrogen releasing from ammonia borane. *Physical Chemistry Chemical Physics*, **2011**, 13, 18592-9	3.6	34
131	Transition metal vanadium oxides and vanadate materials for lithium batteries. *Journal of Materials Chemistry*, **2011**, 21, 9841		180
130	Hydrogen generation by hydrolysis of ammonia borane with a nanoporous cobalt□tungsten□boron□phosphorus catalyst supported on Ni foam. *International Journal of Hydrogen Energy*, **2011**, 36, 1411-1417	6.7	56
129	Carbon-supported Ni1□x@Ptx (x□=□0.32, 0.43, 0.60, 0.67, and 0.80) core□shell nanoparticles as catalysts for hydrogen generation from hydrolysis of ammonia borane. *International Journal of Hydrogen Energy*, **2011**, 36, 1984-1990	6.7	73
128	SnO2 nanoparticles@polypyrrole nanowires composite as anode materials for rechargeable lithium-ion batteries. *Journal of Power Sources*, **2011**, 196, 2195-2201	8.9	167
127	Hydrolytic dehydrogenation of ammonia borane catalyzed by carbon supported Co core□Pt shell nanoparticles. *Journal of Power Sources*, **2011**, 196, 2785-2789	8.9	102
126	All-Solid-State Dye-Sensitized Solar Cells with Alkyloxy-Imidazolium Iodide Ionic Polymer/SiO2 Nanocomposite Electrolyte and Triphenylamine-Based Organic Dyes. *Journal of Physical Chemistry C*, **2010**, 114, 6814-6821	3.8	52
125	Carbon nanotube architectures as catalyst supports for proton exchange membrane fuel cells. *Energy and Environmental Science*, **2010**, 3, 1286	35.4	194
124	Preparation and characterization of nanocrystalline Mg2FeH6. *Journal of Alloys and Compounds*, **2010**, 508, 554-558	5.7	29
123	A density functional theory and time-dependent density functional theory investigation on the anchor comparison of triarylamine-based dyes. *Journal of Chemical Physics*, **2010**, 132, 034305	3.9	72
122	Triphenylamine-Based Ionic Dyes with Simple Structures: Broad Photoresponse and Limitations on Open-Circuit Voltage in Dye-Sensitized Solar Cells. *Journal of Physical Chemistry C*, **2010**, 114, 15842-15848	3.8	25
121	Lithium transport at silicon thin film: barrier for high-rate capability anode. *Journal of Chemical Physics*, **2010**, 133, 034701	3.9	83

120	Triphenylamine-based dyes bearing functionalized 3,4-propylenedioxythiophene linkers with enhanced performance for dye-sensitized solar cells. *Organic Letters*, **2010**, 12, 1204-7	6.2	89
119	MnO2-Based Nanostructures as Catalysts for Electrochemical Oxygen Reduction in Alkaline Media. *Chemistry of Materials*, **2010**, 22, 898-905	9.6	612
118	Correlating Dye Adsorption Behavior with the Open-Circuit Voltage of Triphenylamine-Based Dye-Sensitized Solar Cells. *Journal of Physical Chemistry C*, **2010**, 114, 10992-10998	3.8	91
117	A Quantum-Chemical Study on Understanding the Dehydrogenation Mechanisms of Metal (Na, K, or Mg) Cation Substitution in Lithium Amide Nanoclusters. *Advanced Functional Materials*, **2010**, 20, 1894-1902	15.6	8
116	A soft hydrogen storage material: poly(methyl acrylate)-confined ammonia borane with controllable dehydrogenation. *Advanced Materials*, **2010**, 22, 394-7	24	102
115	Electroless-deposited Co-P catalysts for hydrogen generation from alkaline NaBH4 solution. *International Journal of Hydrogen Energy*, **2010**, 35, 8363-8369	6.7	61
114	A porous 3d-4f heterometallic metal-organic framework for hydrogen storage. *International Journal of Hydrogen Energy*, **2010**, 35, 8166-8170	6.7	25
113	Synthesis, characterization and electrochemical properties of a compact titanium dioxide layer. *Solid State Sciences*, **2009**, 11, 433-438	3.4	33
112	High-surface-area microporous carbon as the efficient photocathode of dye-sensitized solar cells. *Solid State Sciences*, **2009**, 11, 2051-2055	3.4	23
111	Triphenylamine-based organic dye containing the diphenylvinyl and rhodanine-3-acetic acid moieties for efficient dye-sensitized solar cells. *Journal of Power Sources*, **2009**, 187, 620-626	8.9	38
110	Mg micro/nanoscale materials with sphere-like morphologies: Size-controlled synthesis and characterization **2009**, 52, 35-39		2
109	Ni1- Pt x (x=0-0.08) films as the photocathode of dye-sensitized solar cells with high efficiency. *Nano Research*, **2009**, 2, 484-492	10	42
108	Magnesium microspheres and nanospheres: Morphology-controlled synthesis and application in Mg/MnO2 batteries. *Nano Research*, **2009**, 2, 713-721	10	28
107	PtxNi1- nanoparticles as catalysts for hydrogen generation from hydrolysis of ammonia borane. *International Journal of Hydrogen Energy*, **2009**, 34, 8785-8791	6.7	134
106	An inexpensive and efficient pyridine-based additive for the electrolyte of dye-sensitized solar cells. *Journal of Power Sources*, **2009**, 193, 878-884	8.9	15
105	Functional materials with high-efficiency energy storage and conversion for batteries and fuel cells. *Coordination Chemistry Reviews*, **2009**, 253, 2805-2813	23.2	120
104	Unique two-fold interpenetration of 3D microporous 3d-4f heterometal-organic frameworks (HMOF) based on a rigid ligand. *Dalton Transactions*, **2009**, 7765-70	4.3	39
103	Preparation, characterization and catalytic NaBH4 hydrolysis of Co-B hollow spheres. *Journal of Alloys and Compounds*, **2009**, 474, 584-589	5.7	57

102	Facile solution-controlled growth of CuInS2 thin films on FTO and TiO2/FTO glass substrates for photovoltaic application. *Journal of Alloys and Compounds*, **2009**, 481, 786-791	5.7	74
101	A quantum chemical study on magnesium(Mg)/magnesium□hydrogen(Mg□H) nanowires. *Journal of Alloys and Compounds*, **2009**, 484, 308-313	5.7	28
100	Studies on the Hydrogen Storage of Magnesium Nanowires by Density Functional Theory. *Journal of Physical Chemistry C*, **2009**, 113, 3007-3013	3.8	43
99	Combination of lightweight elements and nanostructured materials for batteries. *Accounts of Chemical Research*, **2009**, 42, 713-23	24.3	418
98	Quasi-solid-state dye-sensitized solar cells with polymer gel electrolyte and triphenylamine-based organic dyes. *ACS Applied Materials & Interfaces*, **2009**, 1, 944-50	9.5	65
97	Facile synthesis of hierarchically porous carbons and their application as a catalyst support for methanol oxidation. *Journal of Materials Chemistry*, **2009**, 19, 4108		51
96	Selective synthesis of manganese oxide nanostructures for electrocatalytic oxygen reduction. *ACS Applied Materials & Interfaces*, **2009**, 1, 460-6	9.5	142
95	Low-temperature hydrothermal synthesis and structure control of nano-sized CePO4. *CrystEngComm*, **2009**, 11, 1630	3.3	45
94	Magnesium nanostructures for energy storage and conversion. *Journal of Materials Chemistry*, **2009** , 19, 2877		70
93	CuO particles and plates: Synthesis and gas-sensor application. *Materials Research Bulletin*, **2008**, 43, 2380-2385	5.1	180
92	Ammonia borane as an efficient and lightweight hydrogen storage medium. *Energy and Environmental Science*, **2008**,	35.4	29
91	Fabrication of Nickel Hydroxide Microtubes with Micro- and Nano-Scale Composite Structure and Improving Electrochemical Performance. *Crystal Growth and Design*, **2008**, 8, 2157-2162	3.5	69
90	New Triphenylamine-Based Dyes for Dye-Sensitized Solar Cells. *Journal of Physical Chemistry C*, **2008**, 112, 874-880	3.8	307
89	Template-Directed Materials for Rechargeable Lithium-Ion Batteries. *Chemistry of Materials*, **2008**, 20, 667-681	9.6	467
88	Alpha-CuV2O6 nanowires: hydrothermal synthesis and primary lithium battery application. *Journal of the American Chemical Society*, **2008**, 130, 5361-7	16.4	250
87	Facile Synthesis of Nanoporous □MnO2 Structures and Their Application in Rechargeable Li-Ion Batteries. *Crystal Growth and Design*, **2008**, 8, 2799-2805	3.5	169
86	Electrocatalytic Methanol Oxidation of Pt0.5Ru0.5-xSnx/C (x = 0□0.5). *Journal of Physical Chemistry C*, **2008**, 112, 6337-6345	3.8	75
85	Design of two 3D homochiral Co(II) metal□rganic open frameworks by layered-pillar strategy: structure and properties. *CrystEngComm*, **2008**, 10, 963	3.3	19

84	Synthesis, characterization and electrochemical properties of aluminum-substituted alpha-Ni(OH)2 hollow spheres. *Journal of Alloys and Compounds*, **2008**, 456, 339-343	5.7	46
83	Biomass Waste-Derived Microporous Carbons with Controlled Texture and Enhanced Hydrogen Uptake. *Chemistry of Materials*, **2008**, 20, 1889-1895	9.6	80
82	Application of Triphenylamine-Based Sensitizers with Two Carboxylic Acid Groups to Dye-Sensitized Solar Cells. *Acta Physico-chimica Sinica*, **2008**, 24, 1950-1956		5
81	Low-Pt-loading acetylene-black cathode for high-efficient dye-sensitized solar cells. *Journal of Power Sources*, **2008**, 177, 631-636	8.9	40
80	Porous LiFePO4/NiP Composite nanospheres as the cathode materials in rechargeable lithium-ion batteries. *Nano Research*, **2008**, 1, 242-248	10	28
79	Direct thermal decomposition of metal nitrates in octadecylamine to metal oxide nanocrystals. *Chemistry - A European Journal*, **2008**, 14, 2507-13	4.8	98
78	Influence of acceptor moiety in triphenylamine-based dyes on the properties of dye-sensitized solar cells. *Journal of Power Sources*, **2008**, 183, 792-798	8.9	41
77	Dye-sensitized solar cells made from BaTiO3-coated TiO2 nanoporous electrodes. *Journal of Photochemistry and Photobiology A: Chemistry*, **2008**, 197, 260-265	4.7	56
76	Preparation and gas storage of high surface area microporous carbon derived from biomass source cornstalks. *Bioresource Technology*, **2008**, 99, 4803-8	11	69
75	Ni 1-x Pt x (x = 0-0.12) hollow spheres as catalysts for hydrogen generation from ammonia borane. *Inorganic Chemistry*, **2007**, 46, 788-94	5.1	330
74	New Triphenylamine-Based Organic Dyes for Efficient Dye-Sensitized Solar Cells. *Journal of Physical Chemistry C*, **2007**, 111, 4465-4472	3.8	339
73	A heterometallic porous material for hydrogen adsorption. *Inorganic Chemistry*, **2007**, 46, 4530-4	5.1	112
72	Studies on the vapour-transport synthesis and electrochemical properties of zinc micro-, meso- and nanoscale structures. *Journal of Materials Chemistry*, **2007**, 17, 684-691		16
71	Nest-like Silicon Nanospheres for High-Capacity Lithium Storage. *Advanced Materials*, **2007**, 19, 4067-4070	24	424
70	Improved hydrogen generation from alkaline NaBH4 solution using carbon-supported CoB as catalysts. *International Journal of Hydrogen Energy*, **2007**, 32, 4711-4716	6.7	195
69	Novel quasi-solid electrolyte for dye-sensitized solar cells. *Journal of Power Sources*, **2007**, 165, 911-915	8.9	57
68	Improving the performance of PtRu/C catalysts for methanol oxidation by sensitization and activation treatment. *Journal of Power Sources*, **2007**, 166, 331-336	8.9	43
67	Shape-controlled synthesis and optical characterization of chalcopyrite CuInS2 microstructures. *Journal of Crystal Growth*, **2007**, 305, 99-103	1.6	44

66	Solvothermal synthesis and optical characterization of chalcopyrite CuInSe2 microspheres. *Materials Chemistry and Physics*, **2007**, 106, 296-300	4.4	30
65	ZnFe2O4 tubes: Synthesis and application to gas sensors with high sensitivity and low-energy consumption. *Sensors and Actuators B: Chemical*, **2007**, 120, 403-410	8.5	149
64	Electrochemical Lithium Intercalation/Deintercalation of Single-Crystalline V[sub 2]O[sub 5] Nanowires. *Journal of the Electrochemical Society*, **2007**, 154, A39	3.9	47
63	Self-Assembled Nickel Hydroxide Three-Dimensional Nanostructures:A Nanomaterial for Alkaline Rechargeable Batteries. *Crystal Growth and Design*, **2007**, 7, 170-174	3.5	149
62	ZnS micro-spheres and flowers: Chemically controlled synthesis and template use in fabricating MS(shell)/ZnS(core) and MS (M=Pb, Cu) hollow microspheres. *Journal of Alloys and Compounds*, **2007**, 441, 337-343	5.7	19
61	Magnesium nanowires: enhanced kinetics for hydrogen absorption and desorption. *Journal of the American Chemical Society*, **2007**, 129, 6710-1	16.4	246
60	Metallic Aluminum Nanorods: Synthesis via Vapor-Deposition and Applications in Al/air Batteries. *Chemistry of Materials*, **2007**, 19, 5812-5814	9.6	58
59	A readily-prepared, convergent, oxygen reduction electrocatalyst. *Chemical Communications*, **2007**, 3353-55	5.8	36
58	Synthesis, characterization and hydrogen storage capacity of MS2 (M = Mo, Ti) nanotubes. *Frontiers of Chemistry in China: Selected Publications From Chinese Universities*, **2006**, 1, 260-263		8
57	Conducting poly(aniline) nanotubes and nanofibers: controlled synthesis and application in lithium/poly(aniline) rechargeable batteries. *Chemistry - A European Journal*, **2006**, 12, 3082-8	4.8	160
56	Metallic magnesium nano/mesoscale structures: their shape-controlled preparation and mg/air battery applications. *Angewandte Chemie - International Edition*, **2006**, 45, 6009-12	16.4	134
55	Metallic Magnesium Nano/Mesoscale Structures: Their Shape-Controlled Preparation and Mg/Air Battery Applications. *Angewandte Chemie*, **2006**, 118, 6155-6158	3.6	29
54	MoS2Ni Nanocomposites as Catalysts for Hydrodesulfurization of Thiophene and Thiophene Derivatives. *Advanced Materials*, **2006**, 18, 2561-2564	24	90
53	Facile controlled synthesis of MnO2 nanostructures of novel shapes and their application in batteries. *Inorganic Chemistry*, **2006**, 45, 2038-44	5.1	436
52	Synthesis, characterization, and electrochemical properties of Ag2V4O11 and AgVO3 1-D nano/microstructures. *Journal of Physical Chemistry B*, **2006**, 110, 24855-63	3.4	125
51	Synthesis, Characterization, and Gas-Sensor Application of WO[sub 3] Nanocuboids. *Journal of the Electrochemical Society*, **2006**, 153, H133	3.9	35
50	Shape-controlled synthesis of ternary chalcogenide ZnIn2S4 and CuIn(S,Se)2 nano-/microstructures via facile solution route. *Journal of the American Chemical Society*, **2006**, 128, 7222-9	16.4	345
49	Growth of large-area aligned molybdenum nanowires by high temperature chemical vapor deposition: synthesis, growth mechanism, and device application. *Journal of Physical Chemistry B*, **2006**, 110, 10296-302	3.4	41

48	Storage of hydrogen and lithium in inorganic nanotubes and nanowires. *Journal of Materials Research*, **2006**, 21, 2744-2757	2.5	65
47	Removal of nickel ions from wastewater by Mg(OH)2/MgO nanostructures embedded in Al2O3 membranes. *Journal of Alloys and Compounds*, **2006**, 426, 281-285	5.7	65
46	Porous Acetylene-black Spheres as the Cathode Materials of Dye-sensitized Solar Cells. *Chemistry Letters*, **2006**, 35, 1266-1267	1.7	34
45	Thioglycolic Acid-assisted Solvothermal Synthesis of CuInS2with Controllable Microstructures. *Chemistry Letters*, **2006**, 35, 1050-1051	1.7	8
44	Shape-controlled synthesis and lithium-storage study of metal-organic frameworks Zn4O(1,3,5-benzenetribenzoate)2. *Journal of Power Sources*, **2006**, 160, 542-547	8.9	237
43	Electrodeposition synthesis and electrochemical properties of nanostructured □MnO2 films. *Journal of Power Sources*, **2006**, 162, 727-734	8.9	218
42	MCo2O4 (M=Ni, Cu, Zn) nanotubes: Template synthesis and application in gas sensors. *Sensors and Actuators B: Chemical*, **2006**, 114, 402-409	8.5	89
41	Vapor-transportation preparation and reversible lithium intercalation/deintercalation of alpha-MoO3 microrods. *Journal of Physical Chemistry B*, **2006**, 110, 119-24	3.4	183
40	Synthesis, characterization, and electrochemical application of Ca(OH)2-, Co(OH)2-, and Y(OH)3-Coated Ni(OH)2 tubes. *Journal of Physical Chemistry B*, **2005**, 109, 14025-32	3.4	72
39	Template-synthesized LiCoO2, LiMn2O4, and LiNi0.8 Co0.2 O2 nanotubes as the cathode materials of lithium ion batteries. *Journal of Physical Chemistry B*, **2005**, 109, 14017-24	3.4	192
38	Y(OH)3-coated Ni(OH)2 tube as the positive-electrode materials of alkaline rechargeable batteries. *Journal of Power Sources*, **2005**, 150, 255-260	8.9	30
37	Synthesis, characterization and application of SnSx (x = 1, 2) nanoparticles. *Materials Chemistry and Physics*, **2005**, 93, 557-566	4.4	134
36	Electrochemical Deposition of Ni(OH)2 and Fe-Doped Ni(OH)2 Tubes. *European Journal of Inorganic Chemistry*, **2005**, 2005, 4035-4039	2.3	56
35	Co3O4 Nanomaterials in Lithium-Ion Batteries and Gas Sensors. *Advanced Functional Materials*, **2005**, 15, 851-857	15.6	1056
34	□Fe2O3 Nanotubes in Gas Sensor and Lithium-Ion Battery Applications. *Advanced Materials*, **2005**, 17, 582-586	24	1464
33	High-Power Alkaline Zn□MnO2 Batteries Using □MnO2 Nanowires/Nanotubes and Electrolytic Zinc Powder. *Advanced Materials*, **2005**, 17, 2753-2756	24	257
32	Template-Synthesized LiCoO2, LiMn2O4, and LiNi0.8Co0.2O2 Nanotubes as the Cathode Materials of Lithium Ion Batteries.. *ChemInform*, **2005**, 36, no		1
31	Metal-Complex Hydrides for Hydrogen-Storage Application. *Materials Science Forum*, **2005**, 475-479, 2437-2440	0.4	

30	Synthesis and Application of La[sub 0.59]Ca[sub 0.41]CoO[sub 3] Nanotubes. *Journal of the Electrochemical Society*, **2005**, 152, A2069	3.9	19
29	Thermally stable silicate nanotubes. *Angewandte Chemie - International Edition*, **2004**, 43, 2017-20	16.4	107
28	Ni(OH)2 tubes with mesoscale dimensions as positive-electrode materials of alkaline rechargeable batteries. *Angewandte Chemie - International Edition*, **2004**, 43, 4212-6	16.4	204
27	Thermally Stable Silicate Nanotubes. *Angewandte Chemie*, **2004**, 116, 2051-2054	3.6	28
26	Ni(OH)2 Tubes with Mesoscale Dimensions as Positive-Electrode Materials of Alkaline Rechargeable Batteries. *Angewandte Chemie*, **2004**, 116, 4308-4312	3.6	43
25	TiS2 nanotubes as the cathode materials of Mg-ion batteries. *Chemical Communications*, **2004**, 2080-1	5.8	200
24	Fabrication of Ru and Ru-based functionalized nanotubes. *Journal of the American Chemical Society*, **2004**, 126, 3060-1	16.4	44
23	Ag nanowires coated with Ag/Pd alloy sheaths and their use as substrates for reversible absorption and desorption of hydrogen. *Journal of the American Chemical Society*, **2004**, 126, 5940-1	16.4	165
22	Review of hydrogen storage in inorganic fullerene-like nanotubes. *Applied Physics A: Materials Science and Processing*, **2004**, 78, 989-994	2.6	80
21	Low-temperature catalytic preparation of multi-wall MoS2 nanotubes. *Science in China Series B: Chemistry*, **2003**, 191		4
20	Synthesis and Characterization of WS2 Nanotubes. *Chemistry of Materials*, **2003**, 15, 1012-1019	9.6	34
19	Titanium disulfide nanotubes as hydrogen-storage materials. *Journal of the American Chemical Society*, **2003**, 125, 5284-5	16.4	171
18	Synthesis of TiSe2 Nanotubes/Nanowires. *Advanced Materials*, **2003**, 15, 1379-1382	24	19
17	Lithium Intercalation in Open-Ended TiS2 Nanotubes. *Angewandte Chemie*, **2003**, 115, 2197-2201	3.6	18
16	Lithium intercalation in open-ended TiS2 nanotubes. *Angewandte Chemie - International Edition*, **2003**, 42, 2147-51	16.4	106
15	Novel hydrogen storage properties of MoS2 nanotubes. *Journal of Alloys and Compounds*, **2003**, 356-357, 413-417	5.7	76
14	Low-temperature synthesis of titanium disulfide nanotubes. *Chemical Communications*, **2003**, 980-1	5.8	59
13	Novel Magnesium-Manganese Hydrides Prepared by the Gigapascal High Pressure Technique. *Materials Transactions*, **2002**, 43, 1124-1126	1.3	18

12	Hydriding and Dehydriding Properties of Amorphous Magnesium Nickel Films Prepared by a Sputtering Method. *Chemistry of Materials*, **2002**, 14, 2834-2836	9.6	18
11	Synthesis of open-ended MoS2 nanotubes and the application as the catalyst of methanation. *Chemical Communications*, **2002**, 1722-3	5.8	155
10	High-pressure synthesis of amorphous MgNi(1.02)H(2.2). *Journal of the American Chemical Society*, **2001**, 123, 6193-4	16.4	26
9	Reversible Hydrogen Storage via Titanium-Catalyzed LiAlH4 and Li3AlH6. *Journal of Physical Chemistry B*, **2001**, 105, 11214-11220	3.4	265
8	Electrochemical hydrogen storage in MoS2 nanotubes. *Journal of the American Chemical Society*, **2001**, 123, 11813-4	16.4	355
7	Hydriding properties of LaNi3 and CaNi3 and their substitutes with PuNi3-type structure. *Journal of Alloys and Compounds*, **2000**, 302, 304-313	5.7	146
6	A high pressure observation of the Mg2NiH4 system. *Journal of Alloys and Compounds*, **2000**, 307, L1-L5	5.7	13
5	Nickel Hydroxide as an Active Material for the Positive Electrode in Rechargeable Alkaline Batteries. *Journal of the Electrochemical Society*, **1999**, 146, 3606-3612	3.9	193
4	In Situ Surface Self-Reconstruction Strategies in Li-Rich Mn-Based Layered Cathodes for Energy-Dense Li-Ion Batteries. *Advanced Functional Materials*,2112088	15.6	7
3	Biaxial strained dual-phase palladium-copper bimetal boosts formic acid electrooxidation. *Nano Research*,1	10	2
2	Challenges and advances in wide-temperature rechargeable lithium batteries. *Energy and Environmental Science*,	35.4	13
1	Molecular sieve based Janus separators for Li-ions redistribution to enable stable lithium deposition. *Nano Research*,1	10	0