Jun Chen

List of Publications by Citations

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	Metal-air batteries: from oxygen reduction electrochemistry to cathode catalysts. *Chemical Society Reviews*, **2012**, 41, 2172-92	58.5	1978
604	□Fe2O3 Nanotubes in Gas Sensor and Lithium-Ion Battery Applications. *Advanced Materials*, **2005**, 17, 582-586	24	1464
603	Functional materials for rechargeable batteries. *Advanced Materials*, **2011**, 23, 1695-715	24	1269
602	Rapid room-temperature synthesis of nanocrystalline spinels as oxygen reduction and evolution electrocatalysts. *Nature Chemistry*, **2011**, 3, 79-84	17.6	1061
601	Co3O4 Nanomaterials in Lithium-Ion Batteries and Gas Sensors. *Advanced Functional Materials*, **2005**, 15, 851-857	15.6	1056
600	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
599	Organic Electrode Materials for Rechargeable Lithium Batteries. *Advanced Energy Materials*, **2012**, 2, 742-769	21.8	973
598	Arylamine organic dyes for dye-sensitized solar cells. *Chemical Society Reviews*, **2013**, 42, 3453-88	58.5	909
597	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
596	Rechargeable aqueous zinc-manganese dioxide batteries with high energy and power densities. *Nature Communications*, **2017**, 8, 405	17.4	850
595	Spinels: Controlled Preparation, Oxygen Reduction/Evolution Reaction Application, and Beyond. *Chemical Reviews*, **2017**, 117, 10121-10211	68.1	789
594	Recent Advances and Prospects of Cathode Materials for Sodium-Ion Batteries. *Advanced Materials*, **2015**, 27, 5343-64	24	746
593	Aqueous rechargeable zinc/sodium vanadate batteries with enhanced performance from simultaneous insertion of dual carriers. *Nature Communications*, **2018**, 9, 1656	17.4	712
592	Defect Graphene as a Trifunctional Catalyst for Electrochemical Reactions. *Advanced Materials*, **2016**, 28, 9532-9538	24	711
591	A leavening strategy to prepare reduced graphene oxide foams. *Advanced Materials*, **2012**, 24, 4144-50	24	701
590	MnO2-Based Nanostructures as Catalysts for Electrochemical Oxygen Reduction in Alkaline Media. *Chemistry of Materials*, **2010**, 22, 898-905	9.6	612
589	Nanostructured Mn-based oxides for electrochemical energy storage and conversion. *Chemical Society Reviews*, **2015**, 44, 699-728	58.5	609

588	MoS2 nanoflowers with expanded interlayers as high-performance anodes for sodium-ion batteries. *Angewandte Chemie - International Edition*, **2014**, 53, 12794-8	16.4	585
587	Self-Supported Transition-Metal-Based Electrocatalysts for Hydrogen and Oxygen Evolution. *Advanced Materials*, **2020**, 32, e1806326	24	564
586	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
585	Pyrite FeS2 for high-rate and long-life rechargeable sodium batteries. *Energy and Environmental Science*, **2015**, 8, 1309-1316	35.4	545
584	Enhancing electrocatalytic oxygen reduction on MnO(2) with vacancies. *Angewandte Chemie - International Edition*, **2013**, 52, 2474-7	16.4	540
583	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
582	FeSe2 Microspheres as a High-Performance Anode Material for Na-Ion Batteries. *Advanced Materials*, **2015**, 27, 3305-9	24	483
581	Template-Directed Materials for Rechargeable Lithium-Ion Batteries. *Chemistry of Materials*, **2008**, 20, 667-681	9.6	467
580	High-capacity aqueous zinc batteries using sustainable quinone electrodes. *Science Advances*, **2018**, 4, eaao1761	14.3	465
579	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
578	Ultrasmall Sn Nanoparticles Embedded in Carbon as High-Performance Anode for Sodium-Ion Batteries. *Advanced Functional Materials*, **2015**, 25, 214-220	15.6	443
577	Ultrathin, flexible, solid polymer composite electrolyte enabled with aligned nanoporous host for lithium batteries. *Nature Nanotechnology*, **2019**, 14, 705-711	28.7	442
576	Facile controlled synthesis of MnO2 nanostructures of novel shapes and their application in batteries. *Inorganic Chemistry*, **2006**, 45, 2038-44	5.1	436
575	Nest-like Silicon Nanospheres for High-Capacity Lithium Storage. *Advanced Materials*, **2007**, 19, 4067-4070	24	424
574	Phase and composition controllable synthesis of cobalt manganese spinel nanoparticles towards efficient oxygen electrocatalysis. *Nature Communications*, **2015**, 6, 7345	17.4	422
573	Combination of lightweight elements and nanostructured materials for batteries. *Accounts of Chemical Research*, **2009**, 42, 713-23	24.3	418
572	Rechargeable Mg batteries with graphene-like MoS_2 cathode and ultrasmall Mg nanoparticle anode. *Advanced Materials*, **2011**, 23, 640-3	24	397
571	Unconventional supercapacitors from nanocarbon-based electrode materials to device configurations. *Chemical Society Reviews*, **2016**, 45, 4340-63	58.5	396

570	Urchin-Like CoSe2 as a High-Performance Anode Material for Sodium-Ion Batteries. *Advanced Functional Materials*, **2016**, 26, 6728-6735	15.6	388
569	Large-Area Carbon Nanosheets Doped with Phosphorus: A High-Performance Anode Material for Sodium-Ion Batteries. *Advanced Science*, **2017**, 4, 1600243	13.6	356
568	Electrochemical hydrogen storage in MoS2 nanotubes. *Journal of the American Chemical Society*, **2001**, 123, 11813-4	16.4	355
567	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
566	Prospects of organic electrode materials for practical lithium batteries. *Nature Reviews Chemistry*, **2020**, 4, 127-142	34.6	340
565	New Triphenylamine-Based Organic Dyes for Efficient Dye-Sensitized Solar Cells. *Journal of Physical Chemistry C*, **2007**, 111, 4465-4472	3.8	339
564	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
563	Advanced Organic Electrode Materials for Rechargeable Sodium-Ion Batteries. *Advanced Energy Materials*, **2017**, 7, 1601792	21.8	327
562	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
561	Recent Developments on and Prospects for Electrode Materials with Hierarchical Structures for Lithium-Ion Batteries. *Advanced Energy Materials*, **2018**, 8, 1701415	21.8	321
560	Materials chemistry for rechargeable zinc-ion batteries. *Chemical Society Reviews*, **2020**, 49, 4203-4219	58.5	314
559	All organic sodium-ion batteries with Na□H□□*Angewandte Chemie - International Edition*, **2014**, 53, 5892-6	16.4	313
558	CoS Quantum Dot Nanoclusters for High-Energy Potassium-Ion Batteries. *Advanced Functional Materials*, **2017**, 27, 1702634	15.6	311
557	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
556	New Triphenylamine-Based Dyes for Dye-Sensitized Solar Cells. *Journal of Physical Chemistry C*, **2008**, 112, 874-880	3.8	307
555	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
554	Fabrication of spinel one-dimensional architectures by single-spinneret electrospinning for energy storage applications. *ACS Nano*, **2015**, 9, 1945-54	16.7	302
553	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

552	An Aqueous Rechargeable Zinc-Organic Battery with Hybrid Mechanism. *Advanced Functional Materials*, **2018**, 28, 1804975	15.6	295
551	MoS2 Nanoflowers with Expanded Interlayers as High-Performance Anodes for Sodium-Ion Batteries. *Angewandte Chemie*, **2014**, 126, 13008-13012	3.6	293
550	Function-oriented design of conjugated carbonyl compound electrodes for high energy lithium batteries. *Chemical Science*, **2013**, 4, 1330	9.4	291
549	Organic Li4C8H2O6 nanosheets for lithium-ion batteries. *Nano Letters*, **2013**, 13, 4404-9	11.5	288
548	Na3V2(PO4)3@C core–shell nanocomposites for rechargeable sodium-ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 8668-8675	13	287
547	Compact-designed supercapacitors using free-standing single-walled carbon nanotube films. *Energy and Environmental Science*, **2011**, 4, 1440	35.4	287
546	3D Porous α-Fe2O3@C Nanocomposite as High-Performance Anode Material of Na-Ion Batteries. *Advanced Energy Materials*, **2015**, 5, 1401123	21.8	285
545	MnFe2O4@C Nanofibers as High-Performance Anode for Sodium-Ion Batteries. *Nano Letters*, **2016**, 16, 3321-8	11.5	283
544	A "skeleton/skin" strategy 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
543	Design Strategies toward Enhancing the Performance of Organic Electrode Materials in Metal-Ion Batteries. *CheM*, **2018**, 4, 2786-2813	16.2	276
542	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
541	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
540	Magnesium–air batteries: from principle to application. *Materials Horizons*, **2014**, 1, 196-206	14.4	265
539	Reversible Hydrogen Storage via Titanium-Catalyzed LiAlH4 and Li3AlH6. *Journal of Physical Chemistry B*, **2001**, 105, 11214-11220	3.4	265
538	Single Nickel Atoms on Nitrogen-Doped Graphene Enabling Enhanced Kinetics of Lithium-Sulfur Batteries. *Advanced Materials*, **2019**, 31, e1903955	24	263
537	Development of MoS2–CNT Composite Thin Film from Layered MoS2 for Lithium Batteries. *Advanced Energy Materials*, **2013**, 3, 798-805	21.8	263
536	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
535	High-Power Alkaline Zn–MnO2 Batteries Using γ-MnO2 Nanowires/Nanotubes and Electrolytic Zinc Powder. *Advanced Materials*, **2005**, 17, 2753-2756	24	257

534	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
533	Alpha-CuV2O6 nanowires: hydrothermal synthesis and primary lithium battery application. *Journal of the American Chemical Society*, **2008**, 130, 5361-7	16.4	250
532	Magnesium nanowires: enhanced kinetics for hydrogen absorption and desorption. *Journal of the American Chemical Society*, **2007**, 129, 6710-1	16.4	246
531	Porous LiMn2O4 nanorods with durable high-rate capability for rechargeable Li-ion batteries. *Energy and Environmental Science*, **2011**, 4, 3668	35.4	238
530	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
529	Fused Heteroaromatic Organic Compounds for High-Power Electrodes of Rechargeable Lithium Batteries. *Advanced Energy Materials*, **2013**, 3, 600-605	21.8	236
528	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
527	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
526	Electrodeposition synthesis and electrochemical properties of nanostructured EMnO2 films. *Journal of Power Sources*, **2006**, 162, 727-734	8.9	218
525	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
524	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
523	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
522	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
521	Porous CuO nanowires as the anode of rechargeable Na-ion batteries. *Nano Research*, **2014**, 7, 199-208	10	204
520	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
519	Electrolyte and Interface Engineering for Solid-State Sodium Batteries. *Joule*, **2018**, 2, 1747-1770	27.8	204
518	Reversible Oxygen Redox Chemistry in Aqueous Zinc-Ion Batteries. *Angewandte Chemie - International Edition*, **2019**, 58, 7062-7067	16.4	202
517	TiS2 nanotubes as the cathode materials of Mg-ion batteries. *Chemical Communications*, **2004**, 2080-1	5.8	200

516	Highly stable and ultrafast electrode reaction of graphite for sodium ion batteries. *Journal of Power Sources*, **2015**, 293, 626-634	8.9	196
515	Porous Multishelled Ni2P Hollow Microspheres as an Active Electrocatalyst for Hydrogen and Oxygen Evolution. *Chemistry of Materials*, **2017**, 29, 8539-8547	9.6	195
514	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
513	Oxocarbon Salts for Fast Rechargeable Batteries. *Angewandte Chemie - International Edition*, **2016**, 55, 12528-32	16.4	195
512	Carbon nanotube architectures as catalyst supports for proton exchange membrane fuel cells. *Energy and Environmental Science*, **2010**, 3, 1286	35.4	194
511	One-Dimensional Rod-Like Sb Based Anode for High-Performance Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2015**, 7, 19362-9	9.5	193
510	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
509	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
508	Anion insertion enhanced electrodeposition of robust metal hydroxide/oxide electrodes for oxygen evolution. *Nature Communications*, **2018**, 9, 2373	17.4	188
507	Highly compressible and all-solid-state supercapacitors based on nanostructured composite sponge. *Advanced Materials*, **2015**, 27, 6002-8	24	187
506	Vapor-transportation preparation and reversible lithium intercalation/deintercalation of alpha-MoO3 microrods. *Journal of Physical Chemistry B*, **2006**, 110, 119-24	3.4	183
505	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
504	A Self-Healing Integrated All-in-One Zinc-Ion Battery. *Angewandte Chemie - International Edition*, **2019**, 58, 4313-4317	16.4	180
503	Transition metal vanadium oxides and vanadate materials for lithium batteries. *Journal of Materials Chemistry*, **2011**, 21, 9841		180
502	CuO particles and plates: Synthesis and gas-sensor application. *Materials Research Bulletin*, **2008**, 43, 2380-2385	5.1	180
501	Molecular Engineering with Organic Carbonyl Electrode Materials for Advanced Stationary and Redox Flow Rechargeable Batteries. *Advanced Materials*, **2017**, 29, 1607007	24	177
500	Compositional effects of PEDOT-PSS/single walled carbon nanotube films on supercapacitor device performance. *Journal of Materials Chemistry*, **2011**, 21, 15987		174
499	Advanced nanostructured carbon-based materials for rechargeable lithium-sulfur batteries. *Carbon*, **2019**, 141, 400-416	10.4	174

498	First exploration of Na-ion migration pathways in the NASICON structure Na3V2(PO4)3. *Journal of Materials Chemistry A*, **2014**, 2, 5358	13	172
497	Nonstoichiometric perovskite CaMnO(3-δ) for oxygen electrocatalysis with high activity. *Inorganic Chemistry*, **2014**, 53, 9106-14	5.1	171
496	Titanium disulfide nanotubes as hydrogen-storage materials. *Journal of the American Chemical Society*, **2003**, 125, 5284-5	16.4	171
495	Investigation of effects of carbon coating on the electrochemical performance of Li4Ti5O12/C nanocomposites. *Journal of Materials Chemistry A*, **2013**, 1, 9484	13	170
494	Facile Synthesis of Nanoporous γMnO2 Structures and Their Application in Rechargeable Li-Ion Batteries. *Crystal Growth and Design*, **2008**, 8, 2799-2805	3.5	169
493	Facile Spraying Synthesis and High-Performance Sodium Storage of Mesoporous MoS2/C Microspheres. *Advanced Functional Materials*, **2016**, 26, 911-918	15.6	169
492	SnO2 nanoparticles@polypyrrole nanowires composite as anode materials for rechargeable lithium-ion batteries. *Journal of Power Sources*, **2011**, 196, 2195-2201	8.9	167
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490	Porous Li2FeSiO4/C nanocomposite as the cathode material of lithium-ion batteries. *Journal of Power Sources*, **2012**, 198, 229-235	8.9	161
489	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
488	Rechargeable Room-Temperature Na-CO2 Batteries. *Angewandte Chemie - International Edition*, **2016**, 55, 6482-6	16.4	157
487	Synthesis of open-ended MoS2 nanotubes and the application as the catalyst of methanation. *Chemical Communications*, **2002**, 1722-3	5.8	155
486	Quasi-solid state rechargeable Na-CO batteries with reduced graphene oxide Na anodes. *Science Advances*, **2017**, 3, e1602396	14.3	154
485	Modulating electrolyte structure for ultralow temperature aqueous zinc batteries. *Nature Communications*, **2020**, 11, 4463	17.4	154
484	Cyclohexanehexone with Ultrahigh Capacity as Cathode Materials for Lithium-Ion Batteries. *Angewandte Chemie - International Edition*, **2019**, 58, 7020-7024	16.4	153
483	Electrospun Thin-Walled CuCoO@C Nanotubes as Bifunctional Oxygen Electrocatalysts for Rechargeable Zn-Air Batteries. *Nano Letters*, **2017**, 17, 7989-7994	11.5	152
482	Sulfur nanodots electrodeposited on ni foam as high-performance cathode for Li-S batteries. *Nano Letters*, **2015**, 15, 721-6	11.5	149
481	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

480	Self-Assembled Nickel Hydroxide Three-Dimensional Nanostructures:A Nanomaterial for Alkaline Rechargeable Batteries. *Crystal Growth and Design*, **2007**, 7, 170-174	3.5	149
479	Porous calciumanganese oxide microspheres for electrocatalytic oxygen reduction with high activity. *Chemical Science*, **2013**, 4, 368-376	9.4	147
478	Facile Oxygen Reduction on a Three-Dimensionally Ordered Macroporous Graphitic C3N4/Carbon Composite Electrocatalyst. *Angewandte Chemie*, **2012**, 124, 3958-3962	3.6	146
477	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
476	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
475	Enhanced Electrochemical Kinetics and Polysulfide Traps of Indium Nitride for Highly Stable Lithium-Sulfur Batteries. *ACS Nano*, **2018**, 12, 9578-9586	16.7	146
474	Freestanding carbon fiber cloth/sulfur composites for flexible room-temperature sodium-sulfur batteries. *Energy Storage Materials*, **2017**, 8, 77-84	19.4	145
473	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
472	Potassium-sulfur batteries: a new member of room-temperature rechargeable metal-sulfur batteries. *Inorganic Chemistry*, **2014**, 53, 9000-5	5.1	143
471	Selective synthesis of manganese oxide nanostructures for electrocatalytic oxygen reduction. *ACS Applied Materials & Interfaces*, **2009**, 1, 460-6	9.5	142
470	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
469	A quantum-chemical study on the discharge reaction mechanism of lithium-sulfur batteries. *Journal of Energy Chemistry*, **2013**, 22, 72-77	12	141
468	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
467	WS2 Nanowires as a High-Performance Anode for Sodium-Ion Batteries. *Chemistry - A European Journal*, **2015**, 21, 11878-84	4.8	135
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463	Rechargeable Lithium-Iodine Batteries with Iodine/Nanoporous Carbon Cathode. *Nano Letters*, **2015**, 15, 5982-7	11.5	133

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460	Cobalt sulfide nanosheet/graphene/carbon nanotube nanocomposites as flexible electrodes for hydrogen evolution. *Angewandte Chemie - International Edition*, **2014**, 53, 12594-9	16.4	131
459	Graphene-Based Nanomaterials for Sodium-Ion Batteries. *Advanced Energy Materials*, **2018**, 8, 1702469	21.8	130
458	Aqueous Batteries Operated at -50 ℃. *Angewandte Chemie - International Edition*, **2019**, 58, 16994-16999	16.4	129
457	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
456	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
455	Pitaya-like Sn@C nanocomposites as high-rate and long-life anode for lithium-ion batteries. *Nanoscale*, **2014**, 6, 2827-32	7.7	124
454	Nitrogen-rich covalent organic frameworks with multiple carbonyls for high-performance sodium batteries. *Nature Communications*, **2020**, 11, 178	17.4	124
453	Facile synthesis and electrochemical sodium storage of CoS2 micro/nano-structures. *Nano Research* , **2016**, 9, 198-206	10	122
452	Li3V2(PO4)3@C core-shell nanocomposite as a superior cathode material for lithium-ion batteries. *Nanoscale*, **2013**, 5, 6485-90	7.7	122
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450	Stretchable Lithium-Ion Batteries Enabled by Device-Scaled Wavy Structure and Elastic-Sticky Separator. *Advanced Energy Materials*, **2017**, 7, 1701076	21.8	120
449	Functional materials with high-efficiency energy storage and conversion for batteries and fuel cells. *Coordination Chemistry Reviews*, **2009**, 253, 2805-2813	23.2	120
448	Porous perovskite CaMnO3 as an electrocatalyst for rechargeable Li-O2 batteries. *Chemical Communications*, **2014**, 50, 1497-9	5.8	119
447	Flexible Li-CO Batteries with Liquid-Free Electrolyte. *Angewandte Chemie - International Edition*, **2017**, 56, 5785-5789	16.4	118
446	An Insoluble Benzoquinone-Based Organic Cathode for Use in Rechargeable Lithium-Ion Batteries. *Angewandte Chemie - International Edition*, **2017**, 56, 12561-12565	16.4	117
445	Stabilizing nickel-rich layered oxide cathodes by magnesium doping for rechargeable lithium-ion batteries. *Chemical Science*, **2019**, 10, 1374-1379	9.4	114

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