Haoshen Zhou

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184 556 43,251 111 g-index h-index citations papers 8.06 48,357 586 12.2 L-index avg, IF ext. citations ext. papers

#	Paper	IF	Citations
556	Large reversible Li storage of graphene nanosheet families for use in rechargeable lithium ion batteries. <i>Nano Letters</i> , 2008 , 8, 2277-82	11.5	2453
555	Towards sustainable and versatile energy storage devices: an overview of organic electrode materials. <i>Energy and Environmental Science</i> , 2013 , 6, 2280	35.4	982
554	MetalBrganic framework-based separator for lithiumBulfur batteries. <i>Nature Energy</i> , 2016 , 1,	62.3	801
553	The design of a LiFePO4/carbon nanocomposite with a core-shell structure and its synthesis by an in situ polymerization restriction method. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 7461-5	16.4	756
552	Enhancing the performances of Li-ion batteries by carbon-coating: present and future. <i>Chemical Communications</i> , 2012 , 48, 1201-17	5.8	730
551	Nanosize effect on high-rate Li-ion intercalation in LiCoO2 electrode. <i>Journal of the American Chemical Society</i> , 2007 , 129, 7444-52	16.4	568
550	Lithium Storage in Ordered Mesoporous Carbon (CMK-3) with High Reversible Specific Energy Capacity and Good Cycling Performance. <i>Advanced Materials</i> , 2003 , 15, 2107-2111	24	538
549	High-Energy Cathode Materials (Li2MnO3-LiMO2) for Lithium-Ion Batteries. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 1268-80	6.4	465
548	Synthesis of single crystalline spinel LiMn2O4 nanowires for a lithium ion battery with high power density. <i>Nano Letters</i> , 2009 , 9, 1045-51	11.5	457
547	Core-shell-structured CNT@RuO(2) composite as a high-performance cathode catalyst for rechargeable Li-O(2) batteries. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 442-6	16.4	453
546	Nano active materials for lithium-ion batteries. <i>Nanoscale</i> , 2010 , 2, 1294-305	7.7	443
545	Nanomaterials for lithium ion batteries. <i>Nano Today</i> , 2006 , 1, 28-33	17.9	419
544	Challenges of non-aqueous LiD2 batteries: electrolytes, catalysts, and anodes. <i>Energy and Environmental Science</i> , 2013 , 6, 1125	35.4	418
543	Superhydrophobic perpendicular nanopin film by the bottom-up process. <i>Journal of the American Chemical Society</i> , 2005 , 127, 13458-9	16.4	368
542	Layered lithium transition metal oxide cathodes towards high energy lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 3680		361
541	Li-air rechargeable battery based on metal-free graphene nanosheet catalysts. ACS Nano, 2011 , 5, 3020)-6 6.7	353
540	The Fabrication of an Upright-Standing Zinc Oxide Nanosheet for Use in Dye-Sensitized Solar Cells. <i>Advanced Materials</i> , 2005 , 17, 2091-2094	24	326

539	A reversible long-life lithium-air battery in ambient air. Nature Communications, 2013, 4, 1817	17.4	318
538	Centimeter-long V2O5 nanowires: from synthesis to field-emission, electrochemical, electrical transport, and photoconductive properties. <i>Advanced Materials</i> , 2010 , 22, 2547-52	24	312
537	Critical Challenges in Rechargeable Aprotic LiD2 Batteries. Advanced Energy Materials, 2016 , 6, 1502303	321.8	305
536	Recent advances in titanium-based electrode materials for stationary sodium-ion batteries. <i>Energy and Environmental Science</i> , 2016 , 9, 2978-3006	35.4	293
535	Particle size dependence of the lithium storage capability and high rate performance of nanocrystalline anatase TiO2 electrode. <i>Journal of Power Sources</i> , 2007 , 166, 239-243	8.9	287
534	Aromatic porous-honeycomb electrodes for a sodium-organic energy storage device. <i>Nature Communications</i> , 2013 , 4, 1485	17.4	274
533	Olivine LiFePO4: development and future. <i>Energy and Environmental Science</i> , 2011 , 4, 805-817	35.4	273
532	A self-ordered, crystalline-glass, mesoporous nanocomposite for use as a lithium-based storage device with both high power and high energy densities. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 797-802	16.4	272
531	Sodium iron pyrophosphate: A novel 3.0 V iron-based cathode for sodium-ion batteries. <i>Electrochemistry Communications</i> , 2012 , 24, 116-119	5.1	268
530	Design and synthesis of self-ordered mesoporous nanocomposite through controlled in-situ crystallization. <i>Nature Materials</i> , 2004 , 3, 65-72	27	268
529	Fe2O3 nanocrystals anchored onto graphene nanosheets as the anode material for low-cost sodium-ion batteries. <i>Chemical Communications</i> , 2014 , 50, 1215-7	5.8	266
528	A lithium-air battery with a potential to continuously reduce O2 from air for delivering energy. Journal of Power Sources, 2010 , 195, 358-361	8.9	255
527	A layered P2- and O3-type composite as a high-energy cathode for rechargeable sodium-ion batteries. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5894-9	16.4	245
526	Polyanthraquinone as a Reliable Organic Electrode for Stable and Fast Lithium Storage. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13947-51	16.4	243
525	Constructing a Super-Saturated Electrolyte Front Surface for Stable Rechargeable Aqueous Zinc Batteries. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 9377-9381	16.4	234
524	High-energy 'composite' layered manganese-rich cathode materials via controlling Li2MnO3 phase activation for lithium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 6584-95	3.6	232
523	Mesoporous Titania Nanotubes: Their Preparation and Application as Electrode Materials for Rechargeable Lithium Batteries. <i>Advanced Materials</i> , 2007 , 19, 3016-3020	24	232
522	Ru/ITO: a carbon-free cathode for nonaqueous Li-O2 battery. <i>Nano Letters</i> , 2013 , 13, 4702-7	11.5	230

521	Synthesis and electrochemical performance of nano-sized Li4Ti5O12 with double surface modification of Ti(III) and carbon. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6789		228
520	Synthesis of MnO2 Nanoparticles Confined in Ordered Mesoporous Carbon Using a Sonochemical Method. <i>Advanced Functional Materials</i> , 2005 , 15, 381-386	15.6	211
519	A quinone-based oligomeric lithium salt for superior Librganic batteries. <i>Energy and Environmental Science</i> , 2014 , 7, 4077-4086	35.4	210
518	Li-CO2 Electrochemistry: A New Strategy for CO2 Fixation and Energy Storage. <i>Joule</i> , 2017 , 1, 359-370	27.8	207
517	Controlled synthesis and quantum-size effect in gold-coated nanoparticles. <i>Physical Review B</i> , 1994 , 50, 12052-12056	3.3	203
516	A reversible lithium © O2 battery with Ru nanoparticles as a cathode catalyst. <i>Energy and Environmental Science</i> , 2017 , 10, 972-978	35.4	201
515	Quantum confinement in semiconductor heterostructure nanometer-size particles. <i>Physical Review B</i> , 1993 , 47, 1359-1365	3.3	200
514	Ultrasound-Triggered Smart Drug Release from a Poly(dimethylsiloxane)[Mesoporous Silica Composite. <i>Advanced Materials</i> , 2006 , 18, 3083-3088	24	199
513	Electrochemical capacitance of self-ordered mesoporous carbon. <i>Journal of Power Sources</i> , 2003 , 122, 219-223	8.9	199
512	Poly(benzoquinonyl sulfide) as a High-Energy Organic Cathode for Rechargeable Li and Na Batteries. <i>Advanced Science</i> , 2015 , 2, 1500124	13.6	198
511	Direct atomic-resolution observation of two phases in the Li(1.2)Mn(0.567)Ni(0.166)Co(0.067)O2 cathode material for lithium-ion batteries. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 5969-73	16.4	196
510	High-performance symmetric sodium-ion batteries using a new, bipolar O3-type material, Na0.8Ni0.4Ti0.6O2. <i>Energy and Environmental Science</i> , 2015 , 8, 1237-1244	35.4	193
509	Direct Visualization of the Reversible O /O Redox Process in Li-Rich Cathode Materials. <i>Advanced Materials</i> , 2018 , 30, e1705197	24	190
508	Li3VO4: A Promising Insertion Anode Material for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2013 , 3, 428-432	21.8	188
507	A self-defense redox mediator for efficient lithium D2 batteries. <i>Energy and Environmental Science</i> , 2016 , 9, 1024-1030	35.4	185
506	Synthesis of Mesoporous Thin TiO2 Films with Hexagonal Pore Structures Using Triblock Copolymer Templates. <i>Advanced Materials</i> , 2001 , 13, 1377-1380	24	183
505	Simultaneous voltammetric detection of dopamine and uric acid at their physiological level in the presence of ascorbic acid using poly(acrylic acid)-multiwalled carbon-nanotube composite-covered glassy-carbon electrode. <i>Biosensors and Bioelectronics</i> , 2007 , 23, 74-80	11.8	182
504	The water catalysis at oxygen cathodes of lithium-oxygen cells. <i>Nature Communications</i> , 2015 , 6, 7843	17.4	178

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503	Mesoporous Carbon Nanofibers for Supercapacitor Application. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 1093-1097	3.8	174
502	Bimetallic cyanide-bridged coordination polymers as lithium ion cathode materials: core@shell nanoparticles with enhanced cyclability. <i>Journal of the American Chemical Society</i> , 2013 , 135, 2793-9	16.4	173
501	Fast Li-Ion insertion into nanosized LiMn(2)O(4) without domain boundaries. ACS Nano, 2010, 4, 741-52	16.7	169
500	Environmentally stable interface of layered oxide cathodes for sodium-ion batteries. <i>Nature Communications</i> , 2017 , 8, 135	17.4	166
499	Rechargeable Solid-State LiAir and LiB Batteries: Materials, Construction, and Challenges. <i>Advanced Energy Materials</i> , 2018 , 8, 1701602	21.8	165
498	From Li-O2 to Li-air batteries: carbon nanotubes/ionic liquid gels with a tricontinuous passage of electrons, ions, and oxygen. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11062-7	16.4	164
497	Novel titanium-based O3-type NaTi(0.5)Ni(0.5)O2 as a cathode material for sodium ion batteries. <i>Chemical Communications</i> , 2014 , 50, 457-9	5.8	163
496	Direct electrochemistry of myoglobin in titanate nanotubes film. <i>Analytical Chemistry</i> , 2005 , 77, 8068-7	4 7.8	160
495	Simultaneously Inhibiting Lithium Dendrites Growth and Polysulfides Shuttle by a Flexible MOF-Based Membrane in Liß Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1802130	21.8	158
494	Status and prospects of polymer electrolytes for solid-state LiD2 (air) batteries. <i>Energy and Environmental Science</i> , 2017 , 10, 860-884	35.4	153
493	Nb2O5 nanobelts: A lithium intercalation host with large capacity and high rate capability. <i>Electrochemistry Communications</i> , 2008 , 10, 980-983	5.1	153
492	Highly efficient dye-sensitized solar cells composed of mesoporous titanium dioxide. <i>Journal of Materials Chemistry</i> , 2006 , 16, 1287		153
491	High-Power Li-Metal Anode Enabled by Metal-Organic Framework Modified Electrolyte. <i>Joule</i> , 2018 , 2, 2117-2132	27.8	153
490	Effect of particle dispersion on high rate performance of nano-sized Li4Ti5O12 anode. <i>Electrochimica Acta</i> , 2007 , 52, 6470-6475	6.7	152
489	Biosensing Properties of TitanateNanotube Films: Selective Detection of Dopamine in the Presence of Ascorbate and Uric Acid. <i>Advanced Functional Materials</i> , 2006 , 16, 371-376	15.6	152
488	Study of the lithium/nickel ions exchange in the layered LiNi0.42Mn0.42Co0.16O2 cathode material for lithium ion batteries: experimental and first-principles calculations. <i>Energy and Environmental Science</i> , 2014 , 7, 1068	35.4	151
487	New Insights into Improving Rate Performance of Lithium-Rich Cathode Material. <i>Advanced Materials</i> , 2015 , 27, 3915-20	24	151
486	Carbon supported TiN nanoparticles: an efficient bifunctional catalyst for non-aqueous Li-O2 batteries. <i>Chemical Communications</i> , 2013 , 49, 1175-7	5.8	150

485	An energy storage principle using bipolar porous polymeric frameworks. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 7850-4	16.4	150
484	Germanium Thin Film Protected Lithium Aluminum Germanium Phosphate for Solid-State Li Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1702374	21.8	146
483	Layered phosphorus-like GeP5: a promising anode candidate with high initial coulombic efficiency and large capacity for lithium ion batteries. <i>Energy and Environmental Science</i> , 2015 , 8, 3629-3636	35.4	143
482	High-surface vanadium oxides with large capacities for lithium-ion batteries: from hydrated aerogel to nanocrystalline VO2(B), V6O13 and V2O5. <i>Journal of Materials Chemistry</i> , 2011 , 21, 10999		143
481	Developing a "Water-Defendable" and "Dendrite-Free" Lithium-Metal Anode Using a Simple and Promising GeCl Pretreatment Method. <i>Advanced Materials</i> , 2018 , 30, e1705711	24	142
480	The pursuit of rechargeable solid-state LiBir batteries. <i>Energy and Environmental Science</i> , 2013 , 6, 2302	35.4	142
479	Performance-improved Li D 2 battery with Ru nanoparticles supported on binder-free multi-walled carbon nanotube paper as cathode. <i>Energy and Environmental Science</i> , 2014 , 7, 1648-1652	35.4	140
478	Exploring the electrochemical reaction mechanism of carbonate oxidation in Lillir/CO2 battery through tracing missing oxygen. <i>Energy and Environmental Science</i> , 2016 , 9, 1650-1654	35.4	140
477	Exploration of Advanced Electrode Materials for Rechargeable Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1800212	21.8	139
476	High power Na-ion rechargeable battery with single-crystalline Na0.44MnO2 nanowire electrode. Journal of Power Sources, 2012, 217, 43-46	8.9	139
475	Synthesis of the CoOOH fine nanoflake film with the high rate capacitance property. <i>Journal of Power Sources</i> , 2006 , 158, 779-783	8.9	139
474	Adverse effects of interlayer-gliding in layered transition-metal oxides on electrochemical sodium-ion storage. <i>Energy and Environmental Science</i> , 2019 , 12, 825-840	35.4	138
473	Suppressed Activation Energy for Interfacial Charge Transfer of a Prussian Blue Analog Thin Film Electrode with Hydrated Ions (Li+, Na+, and Mg2+). <i>Journal of Physical Chemistry C</i> , 2013 , 117, 10877-10	882 882	134
472	Ordered porous carbon with tailored pore size for electrochemical hydrogen storage application. Journal of Physical Chemistry B, 2006 , 110, 4875-80	3.4	134
471	N-Doped graphene nanosheets for LiBir fuel cells under acidic conditions. <i>Energy and Environmental Science</i> , 2012 , 5, 6928	35.4	133
470	Hierarchical micro/nano porous silicon Li-ion battery anodes. Chemical Communications, 2012, 48, 5079-	851. 8	132
469	To draw an air electrode of a LiBir battery by pencil. <i>Energy and Environmental Science</i> , 2011 , 4, 1704	35.4	132
468	Li-O(2) battery based on highly efficient Sb-doped tin oxide supported Ru nanoparticles. <i>Advanced Materials</i> , 2014 , 26, 4659-64	24	127

467	Nanocrystalline Rutile TiO[sub 2] Electrode for High-Capacity and High-Rate Lithium Storage. Electrochemical and Solid-State Letters, 2007 , 10, A127		127	
466	Fabrication of morphology and crystal structure controlled nanorod and nanosheet cobalt hydroxide based on the difference of oxygen-solubility between water and methanol, and conversion into Co3O4. <i>Journal of Materials Chemistry</i> , 2005 , 15, 1938		127	
465	Effective strategies for long-cycle life lithiumBulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6155-6182	13	125	
464	Electrochemical performance and reaction mechanism of all-solid-state lithium ir batteries composed of lithium, Li1+xAlyGe2 (PO4)3 solid electrolyte and carbon nanotube air electrode. Energy and Environmental Science, 2012, 5, 9077	35.4	125	
463	Electrochemical kinetics of the 0.5Li2MnO3ID.5LiMn0.42Ni0.42Co0.16O2 IllompositeIlayered cathode material for lithium-ion batteries. <i>RSC Advances</i> , 2012 , 2, 8797	3.7	125	
462	Electrochemical insertion/deinsertion of sodium on NaV6O15 nanorods as cathode material of rechargeable sodium-based batteries. <i>Journal of Power Sources</i> , 2011 , 196, 814-819	8.9	124	
461	Facile synthesis of NaV6O15 nanorods and its electrochemical behavior as cathode material in rechargeable lithium batteries. <i>Journal of Materials Chemistry</i> , 2009 , 19, 7885		123	
460	Superior Performance of a Lit B2 Battery with Metallic RuO2 Hollow Spheres as the Carbon-Free Cathode. <i>Advanced Energy Materials</i> , 2015 , 5, 1500294	21.8	122	
459	Lithium Metal Extraction from Seawater. <i>Joule</i> , 2018 , 2, 1648-1651	27.8	121	
458	Li-Redox Flow Batteries Based on Hybrid Electrolytes: At the Cross Road between Li-ion and Redox Flow Batteries. <i>Advanced Energy Materials</i> , 2012 , 2, 770-779	21.8	119	
457	Preparation and rate capability of Li4Ti5O12 hollow-sphere anode material. <i>Journal of Power Sources</i> , 2007 , 166, 514-518	8.9	119	
456	Mesoporous NiO with a single-crystalline structure utilized as a noble metal-free catalyst for non-aqueous Lit batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16177-16182	13	116	
455	MOF-Based Separator in an LiD2 Battery: An Effective Strategy to Restrain the Shuttling of Dual Redox Mediators. <i>ACS Energy Letters</i> , 2018 , 3, 463-468	20.1	116	
454	An ultrastable anode for long-life room-temperature sodium-ion batteries. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 8963-9	16.4	116	
453	Effect of Chemical Doping on Cathodic Performance of Bicontinuous Nanoporous Graphene for Li-O2 Batteries. <i>Advanced Energy Materials</i> , 2016 , 6, 1501870	21.8	116	
452	Solid-State Electrolytes for Lithium-Ion Batteries: Fundamentals, Challenges and Perspectives. <i>Electrochemical Energy Reviews</i> , 2019 , 2, 574-605	29.3	113	
451	An aqueous dissolved polysulfide cathode for lithium Bulfur batteries. <i>Energy and Environmental Science</i> , 2014 , 7, 3307-3312	35.4	113	
450	Solar energy storage in the rechargeable batteries. <i>Nano Today</i> , 2017 , 16, 46-60	17.9	112	

449	A High-Voltage and Ultralong-Life Sodium Full Cell for Stationary Energy Storage. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11701-5	16.4	112
448	Synthesis of a perpendicular TiO2 nanosheet film with the superhydrophilic property without UV irradiation. <i>Langmuir</i> , 2007 , 23, 7447-50	4	112
447	Enabling catalytic oxidation of Li2O2 at the liquid-solid interface: the evolution of an aprotic Li-O2 battery. <i>ChemSusChem</i> , 2015 , 8, 600-2	8.3	111
446	Synthesis of triaxial LiFePO4 nanowire with a VGCF core column and a carbon shell through the electrospinning method. <i>ACS Applied Materials & Samp; Interfaces</i> , 2010 , 2, 212-8	9.5	111
445	Design and synthesis of a novel nanothorn VO2(B) hollow microsphere and their application in lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2009 , 19, 2835		111
444	Surface Photovoltage NO Gas Sensor with Properties Dependent on the Structure of the Self-Ordered Mesoporous Silicate Film. <i>Advanced Materials</i> , 2002 , 14, 812	24	111
443	Monodispersed hierarchical Co3O4 spheres intertwined with carbon nanotubes for use as anode materials in sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 13805	13	110
442	Chlorophyll-a derivatives with various hydrocarbon ester groups for efficient dye-sensitized solar cells: static and ultrafast evaluations on electron injection and charge collection processes. <i>Langmuir</i> , 2010 , 26, 6320-7	4	110
441	Synthesis of spinel LiMn2O4 nanoparticles through one-step hydrothermal reaction. <i>Journal of Power Sources</i> , 2007 , 172, 410-415	8.9	108
440	One-step synthesis of nano-micro chestnut TiO2 with rutile nanopins on the microanatase octahedron. <i>ACS Nano</i> , 2007 , 1, 273-8	16.7	108
439	A Concentrated Ternary-Salts Electrolyte for High Reversible Li Metal Battery with Slight Excess Li. <i>Advanced Energy Materials</i> , 2019 , 9, 1803372	21.8	108
438	Temperature-Sensitive Structure Evolution of Lithium-Manganese-Rich Layered Oxides for Lithium-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15279-15289	16.4	108
437	From O to HO: Reducing By-Products and Overpotential in Li-O Batteries by Water Addition. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 4960-4964	16.4	107
436	High capacity NaD2 batteries with carbon nanotube paper as binder-free air cathode. <i>Journal of Power Sources</i> , 2014 , 251, 466-469	8.9	106
435	Initial Coulombic efficiency improvement of the Li1.2Mn0.567Ni0.166Co0.067O2 lithium-rich material by ruthenium substitution for manganese. <i>Journal of Materials Chemistry</i> , 2012 , 22, 15507		104
434	Poly(acrylic acid)-wrapped multi-walled carbon nanotubes composite solubilization in water: definitive spectroscopic properties. <i>Nanotechnology</i> , 2006 , 17, 2845-2849	3.4	104
433	An oxygen cathode with stable full dischargellharge capability based on 2D conducting oxide. <i>Energy and Environmental Science</i> , 2015 , 8, 1992-1997	35.4	103
432	Coated Semiconductor Nanoparticles: The CdS/PbS System's Photoluminescence Properties. <i>Chemistry of Materials</i> , 1994 , 6, 1534-1541	9.6	103

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431	Reducing the charging voltage of a LiD2 battery to 1.9 V by incorporating a photocatalyst. <i>Energy and Environmental Science</i> , 2015 , 8, 2664-2667	35.4	101
430	Electrochemical Performance of Solid-State LithiumAir Batteries Using Carbon Nanotube Catalyst in the Air Electrode. <i>Advanced Energy Materials</i> , 2012 , 2, 889-894	21.8	101
429	Synthesis and electrochemical properties of single-crystalline LiV3O8 nanorods as cathode materials for rechargeable lithium batteries. <i>Journal of Power Sources</i> , 2009 , 192, 668-673	8.9	101
428	A Li-air fuel cell with recycle aqueous electrolyte for improved stability. <i>Electrochemistry Communications</i> , 2010 , 12, 1686-1689	5.1	100
427	Characterization of Gold Nanoparticles Synthesized Using Sucrose by Seeding Formation in the Solid Phase and Seeding Growth in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 7006-7	70 ³ 1 ⁴ 1	100
426	Preparation of Nanohybrid Solid-State Electrolytes with Liquidlike Mobilities by Solidifying Ionic Liquids with Silica Particles. <i>Chemistry of Materials</i> , 2007 , 19, 5216-5221	9.6	98
425	High-Loading Nano-SnO2 Encapsulated in situ in Three-Dimensional Rigid Porous Carbon for Superior Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2016 , 22, 4915-23	4.8	98
424	Tuning the Morphologies of MnO/C Hybrids by Space Constraint Assembly of Mn-MOFs for High Performance Li Ion Batteries. <i>ACS Applied Materials & Amp; Interfaces</i> , 2017 , 9, 5254-5262	9.5	96
423	A long-life lithium ulphur battery by integrating zinc granic framework based separator. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 16812-16817	13	96
422	Surface coating of lithiumhanganese-rich layered oxides with delaminated MnO2 nanosheets as cathode materials for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 4422	13	95
421	A Super-Hydrophobic Quasi-Solid Electrolyte for Li-O2 Battery with Improved Safety and Cycle Life in Humid Atmosphere. <i>Advanced Energy Materials</i> , 2017 , 7, 1601759	21.8	95
420	Rechargeable Ni-Li battery integrated aqueous/nonaqueous system. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15098-9	16.4	95
419	Synthesis of single-crystal manganese dioxide nanowires by a soft chemical process. <i>Nanotechnology</i> , 2005 , 16, 245-9	3.4	95
418	Nanoporous Ru as a carbon- and binder-free cathode for Li-O2 batteries. <i>ChemSusChem</i> , 2015 , 8, 1429-:	3 4 .3	93
417	Fabrication of a Cyanide-Bridged Coordination Polymer Electrode for Enhanced Electrochemical Ion Storage Ability. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 8364-8369	3.8	93
416	Highly Connected Siliconflopper Alloy Mixture Nanotubes as High-Rate and Durable Anode Materials for Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2016 , 26, 524-531	15.6	92
415	Efficient Dye-Sensitized Solar Cell Based on oxo-Bacteriochlorin Sensitizers with Broadband Absorption Capability. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 7954-7961	3.8	92
414	Utilization of Titanate Nanotubes as an Electrode Material in Dye-Sensitized Solar Cells. <i>Journal of the Electrochemical Society</i> , 2006 , 153, A1232	3.9	91

413	Reversible anionic redox activity in Na3RuO4 cathodes: a prototype Na-rich layered oxide. <i>Energy and Environmental Science</i> , 2018 , 11, 299-305	35.4	90
412	Enhanced Cycling Performance of Li-O2 Batteries by the Optimized Electrolyte Concentration of LiTFSA in Glymes. <i>Advanced Energy Materials</i> , 2013 , 3, 532-538	21.8	90
411	Single-crystal H2V3O8 nanowires: a competitive anode with large capacity for aqueous lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2011 , 21, 1780-1787		90
410	A high-energy-density and long-life lithium-ion battery via reversible oxideperoxide conversion. Nature Catalysis, 2019 , 2, 1035-1044	36.5	90
409	Cage-Type Highly Graphitic Porous Carbon-Co3O4 Polyhedron as the Cathode of Lithium-Oxygen Batteries. <i>ACS Applied Materials & Discourse amp; Interfaces</i> , 2016 , 8, 2796-804	9.5	89
408	Multi-walled carbon nanotube papers as binder-free cathodes for large capacity and reversible non-aqueous Li D 2 batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 13076	13	89
407	A New Metastable Phase of Crystallized V2O4[0.25H2O Nanowires: Synthesis and Electrochemical Measurements. <i>Advanced Materials</i> , 2005 , 17, 2964-2969	24	88
406	Stabilization of polysulfides via lithium bonds for LiB batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5406-5409	13	87
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404	A nanoscale meshed electrode of single-crystalline SnO for lithium-ion rechargeable batteries. <i>Electrochemistry Communications</i> , 2008 , 10, 52-55	5.1	85
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