Hong Li

List of Publications by Year in Descending Order

475 papers	43,167 citations	106 h-index	192 g-index
512 ext. papers	50,364 ext. citations	11.4 avg, IF	7.89 L-index

#	Paper	IF	Citations
475	New insights into the mechanism of cation migration induced by cation–anion dynamic coupling in superionic conductors. *Journal of Materials Chemistry A*, **2022**, 10, 3093-3101	13	2
474	All-in-One Ionic–Electronic Dual-Carrier Conducting Framework Thickening All-Solid-State Electrode. *ACS Energy Letters*, **2022**, 7, 766-772	20.1	0
473	Organic-inorganic composite SEI for a stable Li metal anode by in-situ polymerization. *Nano Energy*, **2022**, 95, 106983	17.1	9
472	Solid state ionics – Selected topics and new directions. *Progress in Materials Science*, **2022**, 126, 100921	42.2	2
471	Probing lattice defects in crystalline battery cathode using hard X-ray nanoprobe with data-driven modeling. *Energy Storage Materials*, **2022**, 45, 647-655	19.4	0
470	Dopamine-Based Materials: Recent Advances in Synthesis Methods and Applications. *Nanostructure Science and Technology*, **2022**, 133-164	0.9	0
469	Structural and chemical evolution in layered oxide cathodes of lithium-ion batteries revealed by synchrotron techniques.. *National Science Review*, **2022**, 9, nwab146	10.8	10
468	Controlling Li deposition below the interface. *EScience*, **2022**,		15
467	Ionic Conductivity of LiSiON and the Effect of Amorphization/Heterovalent Doping on Li+ Diffusion. *Inorganics*, **2022**, 10, 45	2.9	0
466	A high-performance MnO2 cathode doped with group VIII metal for aqueous Zn-ion batteries: In-situ X-Ray diffraction study on Zn2+ storage mechanism. *Journal of Power Sources*, **2022**, 527, 231198	8.9	1
465	Raising the intrinsic safety of layered oxide cathodes by surface re-lithiation with LLZTO garnet-type solid electrolytes.. *Advanced Materials*, **2022**, e2200655	24	5
464	The influence of electrolyte concentration and solvent on operational voltage of Li/CF primary batteries elucidated by Nernst Equation. *Journal of Power Sources*, **2022**, 527, 231193	8.9	3
463	Mechanical-electrochemical modeling of silicon-graphite composite anode for lithium-ion batteries. *Journal of Power Sources*, **2022**, 527, 231178	8.9	1
462	A Better Choice to Achieve High Volumetric Energy Density: Anode-Free Lithium Metal Batteries.. *Advanced Materials*, **2022**, e2110323	24	6
461	Exploring magnetron sputtering preparation of high-quality LiNi0.5Mn1.5O4 films by controlling the oxygen atmosphere at moderate temperature. *Thin Solid Films*, **2022**, 750, 139174	2.2	
460	Water-Stable Sulfide Solid Electrolyte Membranes Directly Applicable in All-Solid-State Batteries Enabled by Superhydrophobic Li + -Conducting Protection Layer. *Advanced Energy Materials*, **2022**, 12, 2102348	21.8	10
459	Interfacial layer rich in organic fluoride enabling stable cycling of high-voltage PEO-based solid-state lithium batteries. *Electrochimica Acta*, **2021**, 139617	6.7	1

458	Interplay between solid-electrolyte interphase and (in)active LixSi in silicon anode. *Cell Reports Physical Science*, **2021**, 2, 100668	6.1	11
457	SnF2-Catalyzed Formation of Polymerized Dioxolane as Solid Electrolyte and its Thermal Decomposition Behavior. *Angewandte Chemie - International Edition*, **2021**,	16.4	7
456	Aqueous interphase formed by CO brings electrolytes back to salt-in-water regime. *Nature Chemistry*, **2021**, 13, 1061-1069	17.6	14
455	5V-class sulfurized spinel cathode stable in sulfide all-solid-state batteries. *Nano Energy*, **2021**, 90, 106589	17.1	12
454	Delithiation-driven topotactic reaction endows superior cycling performances for high-energy-density FeS (1 x 1.14) cathodes. *Energy Storage Materials*, **2021**, 43, 579-584	19.4	3
453	In-situ Polymerized Solid-state Electrolytes with Stable Cycling for Li/LiCoO2 Batteries. *Nano Energy*, **2021**, 91, 106679	17.1	7
452	Oxygen-redox reactions in LiCoO2 cathode without O O bonding during charge-discharge. *Joule*, **2021**, 5, 720-736	27.8	15
451	Cycling mechanism of Li2MnO3: Li CO2 batteries and commonality on oxygen redox in cathode materials. *Joule*, **2021**, 5, 975-997	27.8	30
450	Enhancing the Thermal Stability of NASICON Solid Electrolyte Pellets against Metallic Lithium by Defect Modification. *ACS Applied Materials & Interfaces*, **2021**, 13, 18743-18749	9.5	9
449	First-Principles Simulations for the Surface Evolution and Mn Dissolution in the Fully Delithiated Spinel LiMnO. *Langmuir*, **2021**, 37, 5252-5259	4	6
448	Synergistic Effect of Temperature and Electrolyte Concentration on Solid-State Interphase for High-Performance Lithium Metal Batteries. *Advanced Energy and Sustainability Research*, **2021**, 2, 2100010	1.6	1
447	The Electrolysis of Anti-Perovskite Li2OHCl for Prelithiation of High-Energy-Density Batteries. *Angewandte Chemie*, **2021**, 133, 13123-13130	3.6	2
446	The Electrolysis of Anti-Perovskite Li OHCl for Prelithiation of High-Energy-Density Batteries. *Angewandte Chemie - International Edition*, **2021**, 60, 13013-13020	16.4	6
445	Cation-synergy stabilizing anion redox of Chevrel phase Mo6S8 in aluminum ion battery. *Energy Storage Materials*, **2021**, 37, 87-93	19.4	12
444	Enabling the thermal stability of solid electrolyte interphase in Li-ion battery. *Informa Materi*, **2021**, 3, 648-661	23.1	24
443	Dense All-Electrochem-Active Electrodes for All-Solid-State Lithium Batteries. *Advanced Materials*, **2021**, 33, e2008723	24	11
442	Oxygen anionic redox activated high-energy cathodes: Status and prospects. *ETransportation*, **2021**, 8, 100118	12.7	11
441	Hunting Sodium Dendrites in NASICON-Based Solid-State Electrolytes. *Energy Material Advances*, **2021**, 2021, 1-10	1	12

440	Ultralight Electrolyte for High-Energy Lithium-Sulfur Pouch Cells. *Angewandte Chemie - International Edition*, **2021**, 60, 17547-17555	16.4	21
439	Gaseous electrolyte additive BF3 for high-power Li/CFx primary batteries. *Energy Storage Materials*, **2021**, 38, 482-488	19.4	10
438	Ultralight Electrolyte for High-Energy Lithium-Sulfur Pouch Cells. *Angewandte Chemie*, **2021**, 133, 17688-17696	3.6	6
437	Progress in thermal stability of all-solid-state-Li-ion-batteries. *Information Materials*, **2021**, 3, 827-853	23.1	22
436	Amorphous Redox-Rich Polysulfides for Mg Cathodes. *Jacs Au*, **2021**, 1, 1266-1274		4
435	Fast Li Plating Behavior Probed by X-ray Computed Tomography. *Nano Letters*, **2021**, 21, 5254-5261	11.5	6
434	A Reflection on Lithium-Ion Batteries from a Lithium-Resource Perspective. *Advanced Energy and Sustainability Research*, **2021**, 2, 2100062	1.6	0
433	Fluorinated Poly-oxalate Electrolytes Stabilizing both Anode and Cathode Interfaces for All-Solid-State Li/NMC811 Batteries. *Angewandte Chemie - International Edition*, **2021**, 60, 18335-18343	16.4	13
432	Superior All-Solid-State Batteries Enabled by a Gas-Phase-Synthesized Sulfide Electrolyte with Ultrahigh Moisture Stability and Ionic Conductivity. *Advanced Materials*, **2021**, 33, e2100921	24	20
431	The Role of Electron Localization in Covalency and Electrochemical Properties of Lithium-Ion Battery Cathode Materials. *Advanced Functional Materials*, **2021**, 31, 2001633	15.6	9
430	Rational Design of Mixed Electronic-Ionic Conducting Ti-Doping Li7La3Zr2O12 for Lithium Dendrites Suppression. *Advanced Functional Materials*, **2021**, 31, 2001918	15.6	28
429	A Multilayer Ceramic Electrolyte for All-Solid-State Li Batteries. *Angewandte Chemie - International Edition*, **2021**, 60, 3781-3790	16.4	21
428	Enhancing cycle stability of Li metal anode by using polymer separators coated with Ti-containing solid electrolytes. *Rare Metals*, **2021**, 40, 1357-1365	5.5	12
427	A Multilayer Ceramic Electrolyte for All-Solid-State Li Batteries. *Angewandte Chemie*, **2021**, 133, 3825-3834	3.6	9
426	Deciphering the Oxygen Absorption Pre-edge: A Caveat on its Application for Probing Oxygen Redox Reactions in Batteries. *Energy and Environmental Materials*, **2021**, 4, 246-254	13	24
425	Epitaxial Induced Plating Current-Collector Lasting Lifespan of Anode-Free Lithium Metal Battery. *Advanced Energy Materials*, **2021**, 11, 2003709	21.8	25
424	Probing the Energy Storage Mechanism of Quasi-Metallic Na in Hard Carbon for Sodium-Ion Batteries. *Advanced Energy Materials*, **2021**, 11, 2003854	21.8	40
423	Fluorinated Poly-oxalate Electrolytes Stabilizing both Anode and Cathode Interfaces for All-Solid-State Li/NMC811 Batteries. *Angewandte Chemie*, **2021**, 133, 18483-18491	3.6	4

422	Controllable ionic self-assembl of polyoxometalate and melamine for synthesis of nanostructured Ag. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 623, 126732	5.1	0
421	Reaction Mechanisms of Ta-Substituted Cubic LiLaZrO with Solvents During Storage. *ACS Applied Materials & Interfaces*, **2021**, 13, 38384-38393	9.5	3
420	Low-Density Fluorinated Silane Solvent Enhancing Deep Cycle Lithium-Sulfur Batteries' Lifetime. *Advanced Materials*, **2021**, 33, e2102034	24	9
419	High-performance Li-air battery after limiting inter-electrode crosstalk. *Energy Storage Materials*, **2021**, 39, 225-231	19.4	2
418	Amorphous anion-rich titanium polysulfides for aluminum-ion batteries. *Science Advances*, **2021**, 7,	14.3	18
417	Recent advances in dopamine-based materials constructed via one-pot co-assembly strategy. *Advances in Colloid and Interface Science*, **2021**, 295, 102489	14.3	5
416	TiO2 (B) anode for high-voltage aqueous Li-ion batteries. *Energy Storage Materials*, **2021**, 42, 438-444	19.4	5
415	Electronic Conductive Inorganic Cathodes Promising High-Energy Organic Batteries. *Advanced Materials*, **2021**, 33, e2005781	24	2
414	Rational design of layered oxide materials for sodium-ion batteries. *Science*, **2020**, 370, 708-711	33.3	209
413	Realizing High Volumetric Lithium Storage by Compact and Mechanically Stable Anode Designs. *ACS Energy Letters*, **2020**, 5, 1986-1995	20.1	38
412	The Thermal Stability of Lithium Solid Electrolytes with Metallic Lithium. *Joule*, **2020**, 4, 812-821	27.8	87
411	Delayed Phase Transition and Improved Cycling/Thermal Stability by Spinel LiNiMnO Modification for LiCoO Cathode at High Voltages. *ACS Applied Materials & Interfaces*, **2020**, 12, 27339-27349	9.5	12
410	Suppressing transition metal dissolution and deposition in lithium-ion batteries using oxide solid electrolyte coated polymer separator. *Chinese Physics B*, **2020**, 29, 088201	1.2	4
409	Wearable Bipolar Rechargeable Aluminum Battery **2020**, 2, 808-813		9
408	An In Situ Formed Surface Coating Layer Enabling LiCoO2 with Stable 4.6 V High-Voltage Cycle Performances. *Advanced Energy Materials*, **2020**, 10, 2001413	21.8	87
407	Na3Zr2Si2PO12: A Stable Na+-Ion Solid Electrolyte for Solid-State Batteries. *ACS Applied Energy Materials*, **2020**, 3, 7427-7437	6.1	31
406	Realizing long-term cycling stability and superior rate performance of 4.5 V LiCoO2 by aluminum doped zinc oxide coating achieved by a simple wet-mixing method. *Journal of Power Sources*, **2020**, 470, 228423	8.9	23
405	Influence of fluoroethylene carbonate on the solid electrolyte interphase of silicon anode for Li-ion batteries: A scanning force spectroscopy study. *Chinese Physics B*, **2020**, 29, 048203	1.2	3

404	Mn Ion Dissolution Mechanism for Lithium-Ion Battery with LiMnO Cathode: Ultraviolet-Visible Spectroscopy and Molecular Dynamics Simulations. *Journal of Physical Chemistry Letters*, **2020**, 11, 3051-3057	6.4	28
403	Low-temperature fusion fabrication of Li-Cu alloy anode with in situ formed 3D framework of inert LiCu nanowires for excellent Li storage performance. *Science Bulletin*, **2020**, 65, 1907-1915	10.6	23
402	Improving LiNi0.9Co0.08Mn0.02O2 cyclic stability via abating mechanical damages. *Energy Storage Materials*, **2020**, 28, 1-9	19.4	25
401	Increasing Poly(ethylene oxide) Stability to 4.5 V by Surface Coating of the Cathode. *ACS Energy Letters*, **2020**, 5, 826-832	20.1	91
400	High-throughput computational discovery of K2CdO2 as an ion conductor for solid-state potassium-ion batteries. *Journal of Materials Chemistry A*, **2020**, 8, 5157-5162	13	9
399	Electrolyte-assisted dissolution-recrystallization mechanism towards high energy density and power density CF cathodes in potassium cell. *Nano Energy*, **2020**, 70, 104552	17.1	19
398	Enabling Stable Cycling of 4.2 V High-Voltage All-Solid-State Batteries with PEO-Based Solid Electrolyte. *Advanced Functional Materials*, **2020**, 30, 1909392	15.6	77
397	Bringing forward the development of battery cells for automotive applications: Perspective of R&D activities in China, Japan, the EU and the USA. *Journal of Power Sources*, **2020**, 459, 228073	8.9	59
396	A wide-temperature superior ionic conductive polymer electrolyte for lithium metal battery. *Nano Energy*, **2020**, 73, 104786	17.1	42
395	Mobile Ions in Composite Solids. *Chemical Reviews*, **2020**, 120, 4169-4221	68.1	105
394	Reversible Al3+ storage mechanism in anatase TiO2 cathode material for ionic liquid electrolyte-based aluminum-ion batteries. *Journal of Energy Chemistry*, **2020**, 51, 72-80	12	38
393	Investigations on the Fundamental Process of Cathode Electrolyte Interphase Formation and Evolution of High-Voltage Cathodes. *ACS Applied Materials & Interfaces*, **2020**, 12, 2319-2326	9.5	76
392	Iodine Vapor Transport-Triggered Preferential Growth of Chevrel MoS Nanosheets for Advanced Multivalent Batteries. *ACS Nano*, **2020**, 14, 1102-1110	16.7	30
391	The Compensation Effect Mechanism of Fe-Ni Mixed Prussian Blue Analogues in Aqueous Rechargeable Aluminum-Ion Batteries. *ChemSusChem*, **2020**, 13, 732-740	8.3	51
390	Batteries with high theoretical energy densities. *Energy Storage Materials*, **2020**, 26, 46-55	19.4	67
389	New insight of stabilizing electrode/electrolyte interphase: Regulating the specific adsorption of the inner Helmholtz plane. *Journal of Energy Chemistry*, **2020**, 45, 126-127	12	3
388	Retarding graphitization of soft carbon precursor: From fusion-state to solid-state carbonization. *Energy Storage Materials*, **2020**, 26, 577-584	19.4	25
387	Approaching Practically Accessible Solid-State Batteries: Stability Issues Related to Solid Electrolytes and Interfaces. *Chemical Reviews*, **2020**, 120, 6820-6877	68.1	373

386	Neutron-based characterization techniques for lithium-ion battery research. *Chinese Physics B*, **2020**, 29, 018201	1.2	20
385	High-Voltage Aqueous Na-Ion Battery Enabled by Inert-Cation-Assisted Water-in-Salt Electrolyte. *Advanced Materials*, **2020**, 32, e1904427	24	128
384	Insights of the anionic redox in P2-Na0.67Ni0.33Mn0.67O2. *Nano Energy*, **2020**, 78, 105285	17.1	22
383	pH-Responsive dopamine-based nanoparticles assembled via Schiff base bonds for synergistic anticancer therapy. *Chemical Communications*, **2020**, 56, 13347-13350	5.8	8
382	Local spring effect in titanium-based layered oxides. *Energy and Environmental Science*, **2020**, 13, 4371-4380	39.4	2
381	Size effect on the growth and pulverization behavior of Si nanodomains in SiO anode. *Nano Energy*, **2020**, 78, 105101	17.1	22
380	High-rate cathode CrSSe based on anion reactions for lithium-ion batteries. *Journal of Materials Chemistry A*, **2020**, 8, 25739-25745	13	4
379	Battery prelithiation enabled by lithium fixation on cathode. *Journal of Power Sources*, **2020**, 480, 229108	8.9	2
378	Hierarchical Defect Engineering for LiCoO2 through Low-Solubility Trace Element Doping. *CheM*, **2020**, 6, 2759-2769	16.2	29
377	4.2 V poly(ethylene oxide)-based all-solid-state lithium batteries with superior cycle and safety performance. *Energy Storage Materials*, **2020**, 32, 191-198	19.4	28
376	Interface Concentrated-Confinement Suppressing Cathode Dissolution in Water-in-Salt Electrolyte. *Advanced Energy Materials*, **2020**, 10, 2000665	21.8	34
375	Joint Cationic and Anionic Redox Chemistry for Advanced Mg Batteries. *Nano Letters*, **2020**, 20, 6852-6858	11.5	11
374	Interface engineering renders high-rate high-capacity lithium storage in black phosphorous composite anodes with excellent cycling durability. *Science China Chemistry*, **2020**, 63, 1734-1736	7.9	2
373	Simplifying and accelerating kinetics enabling fast-charge Al batteries. *Journal of Materials Chemistry A*, **2020**, 8, 23834-23843	13	6
372	Structure Design of Cathode Electrodes for Solid-State Batteries: Challenges and Progress. *Small Structures*, **2020**, 1, 2000042	8.7	36
371	Unraveling the Reaction Mechanism of FeS as a Li-Ion Battery Cathode. *ACS Applied Materials & Interfaces*, **2020**, 12, 44850-44857	9.5	24
370	Liquid phase therapy to solid electrolyte-electrode interface in solid-state Li metal batteries: A review. *Energy Storage Materials*, **2020**, 24, 75-84	19.4	109
369	Local structure adaptability through multi cations for oxygen redox accommodation in Li-Rich layered oxides. *Energy Storage Materials*, **2020**, 24, 384-393	19.4	75

368	A stabilized PEO-based solid electrolyte via a facile interfacial engineering method for a high voltage solid-state lithium metal battery. *Chemical Communications*, **2020**, 56, 5633-5636	5.8	18
367	Correlated Migration Invokes Higher Na+-Ion Conductivity in NaSICON-Type Solid Electrolytes. *Advanced Energy Materials*, **2019**, 9, 1902373	21.8	86
366	A dual-phase Li□a alloy with a patternable and lithiophilic 3D framework for improving lithium anode performance. *Journal of Materials Chemistry A*, **2019**, 7, 22377-22384	13	17
365	Li-free Cathode Materials for High Energy Density Lithium Batteries. *Joule*, **2019**, 3, 2086-2102	27.8	123
364	Triple effects of Sn-substitution on Na0.67Ni0.33Mn0.67O2. *Journal of Materials Science and Technology*, **2019**, 35, 1250-1254	9.1	11
363	Stabilizing the Oxygen Lattice and Reversible Oxygen Redox Chemistry through Structural Dimensionality in Lithium-Rich Cathode Oxides. *Angewandte Chemie - International Edition*, **2019**, 58, 4323-4327	16.4	81
362	Slope-Dominated Carbon Anode with High Specific Capacity and Superior Rate Capability for High Safety Na-Ion Batteries. *Angewandte Chemie*, **2019**, 131, 4405-4409	3.6	29
361	Stabilizing the Oxygen Lattice and Reversible Oxygen Redox Chemistry through Structural Dimensionality in Lithium-Rich Cathode Oxides. *Angewandte Chemie*, **2019**, 131, 4367-4371	3.6	12
360	Slope-Dominated Carbon Anode with High Specific Capacity and Superior Rate Capability for High Safety Na-Ion Batteries. *Angewandte Chemie - International Edition*, **2019**, 58, 4361-4365	16.4	100
359	Influence of carbon coating on the electrochemical performance of SiO@C/graphite composite anode materials. *Chinese Physics B*, **2019**, 28, 068201	1.2	2
358	Trace doping of multiple elements enables stable battery cycling of LiCoO2 at 4.6 V. *Nature Energy*, **2019**, 4, 594-603	62.3	299
357	In Situ Formation of a Stable Interface in Solid-State Batteries. *ACS Energy Letters*, **2019**, 4, 1650-1657	20.1	58
356	Improved electrochemical performance of Li(Ni0.6Co0.2Mn0.2)O2 at high charging cut-off voltage with Li1.4Al0.4Ti1.6(PO4)3 surface coating. *Chinese Physics B*, **2019**, 28, 068202	1.2	10
355	Safe Lithium-Metal Anodes for Li□2 Batteries: From Fundamental Chemistry to Advanced Characterization and Effective Protection. *Batteries and Supercaps*, **2019**, 2, 638-658	5.6	48
354	Electrochemical and optoelectric behavior of Al-doped ZnO films as transparent anode for Li-ion batteries. *Materials Today Communications*, **2019**, 19, 471-475	2.5	7
353	Research and development of advanced battery materials in China. *Energy Storage Materials*, **2019**, 23, 144-153	19.4	85
352	Building aqueous K-ion batteries for energy storage. *Nature Energy*, **2019**, 4, 495-503	62.3	381
351	Beyond imaging: Applications of atomic force microscopy for the study of Lithium-ion batteries. *Ultramicroscopy*, **2019**, 204, 34-48	3.1	20

350	Practical Evaluation of Li-Ion Batteries. *Joule*, **2019**, 3, 911-914	27.8	161
349	The Ab Initio Calculations on the Areal Specific Resistance of Li-Metal/Li7La3Zr2O12 Interphase. *Advanced Theory and Simulations*, **2019**, 2, 1900028	3.5	14
348	In situ formation of a bifunctional interlayer enabled by a conversion reaction to initiatively prevent lithium dendrites in a garnet solid electrolyte. *Energy and Environmental Science*, **2019**, 12, 1404-1412	35.4	124
347	Anisotropic expansion and size-dependent fracture of silicon nanotubes during lithiation. *Journal of Materials Chemistry A*, **2019**, 7, 15113-15122	13	18
346	Lithium metal batteries capable of stable operation at elevated temperature. *Energy Storage Materials*, **2019**, 23, 646-652	19.4	50
345	WO3 nanocrystal prepared by self-assembly of phosphotungstic acid and dopamine for photocatalytic degradation of Congo red. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 572, 147-151	5.1	10
344	Exploring reaction dynamics in lithium-sulfur batteries by time-resolved operando sulfur K-edge X-ray absorption spectroscopy. *Chemical Communications*, **2019**, 55, 4993-4996	5.8	6
343	High Rate Li-Ion Batteries with Cation-Disordered Cathodes. *Joule*, **2019**, 3, 1064-1079	27.8	8
342	Structural and mechanistic revelations on high capacity cation-disordered Li-rich oxides for rechargeable Li-ion batteries. *Energy Storage Materials*, **2019**, 16, 354-363	19.4	67
341	Predicting synthesizability. *Journal Physics D: Applied Physics*, **2019**, 52,	3	161
340	High air-stability and superior lithium ion conduction of Li3+3P1-Zn S4-O by aliovalent substitution of ZnO for all-solid-state lithium batteries. *Energy Storage Materials*, **2019**, 17, 266-274	19.4	61
339	Practical evaluation of energy densities for sulfide solid-state batteries. *ETransportation*, **2019**, 1, 100010	12.7	47
338	In-situ visualization of lithium plating in all-solid-state lithium-metal battery. *Nano Energy*, **2019**, 63, 103895	17.1	78
337	Artificial solid electrolyte interphase based on polyacrylonitrile for homogenous and dendrite-free deposition of lithium metal. *Chinese Physics B*, **2019**, 28, 078202	1.2	0
336	Water-in-Salt Electrolyte Promotes High-Capacity FeFe(CN) Cathode for Aqueous Al-Ion Battery. *ACS Applied Materials & Interfaces*, **2019**, 11, 41356-41362	9.5	51
335	Covalently assembled dopamine nanoparticle as an intrinsic photosensitizer and pH-responsive nanocarrier for potential application in anticancer therapy. *Chemical Communications*, **2019**, 55, 15057-15060	5.8	69
334	Anionic Redox Reaction-Induced High-Capacity and Low-Strain Cathode with Suppressed Phase Transition. *Joule*, **2019**, 3, 503-517	27.8	154
333	Electrochemically activated spinel manganese oxide for rechargeable aqueous aluminum battery. *Nature Communications*, **2019**, 10, 73	17.4	169

332	Li-ion battery material under high pressure: amorphization and enhanced conductivity of LiTiO. *National Science Review*, **2019**, 6, 239-246	10.8	35
331	Graphite as a potassium ion battery anode in carbonate-based electrolyte and ether-based electrolyte. *Journal of Power Sources*, **2019**, 409, 24-30	8.9	135
330	Advanced Characterization Techniques in Promoting Mechanism Understanding for Lithium–Sulfur Batteries. *Advanced Functional Materials*, **2018**, 28, 1707543	15.6	53
329	Core-Shell FeS@NaPSSe Nanorods for Room Temperature All-Solid-State Sodium Batteries with High Energy Density. *ACS Nano*, **2018**, 12, 2809-2817	16.7	46
328	Perspectives of automotive battery R&D in China, Germany, Japan, and the USA. *Journal of Power Sources*, **2018**, 382, 176-178	8.9	124
327	Dynamic evolution of cathode electrolyte interphase (CEI) on high voltage LiCoO2 cathode and its interaction with Li anode. *Energy Storage Materials*, **2018**, 14, 1-7	19.4	158
326	Surface-protected LiCoO2 with ultrathin solid oxide electrolyte film for high-voltage lithium ion batteries and lithium polymer batteries. *Journal of Power Sources*, **2018**, 388, 65-70	8.9	82
325	Enhanced ionic conductivity in LAGP/LATP composite electrolyte. *Chinese Physics B*, **2018**, 27, 038201	1.2	10
324	Recent developments in dopamine-based materials for cancer diagnosis and therapy. *Advances in Colloid and Interface Science*, **2018**, 252, 1-20	14.3	36
323	Recent advances in self-assembly of spin crossover materials and their applications. *Current Opinion in Colloid and Interface Science*, **2018**, 35, 9-16	7.6	18
322	Sustainable Interfaces between Si Anodes and Garnet Electrolytes for Room-Temperature Solid-State Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 2185-2190	9.5	28
321	TiS2 as a high performance potassium ion battery cathode in ether-based electrolyte. *Energy Storage Materials*, **2018**, 12, 216-222	19.4	102
320	Electro-plating and stripping behavior on lithium metal electrode with ordered three-dimensional structure. *Nano Energy*, **2018**, 45, 463-470	17.1	54
319	Biphenyl-lithium-TEGDME solution as anolyte for high energy density non-aqueous redox flow lithium battery. *Journal of Energy Chemistry*, **2018**, 27, 1362-1368	12	16
318	Drawing a Soft Interface: An Effective Interfacial Modification Strategy for Garnet-Type Solid-State Li Batteries. *ACS Energy Letters*, **2018**, 3, 1212-1218	20.1	236
317	Nanoscaled NaPS Solid Electrolyte for All-Solid-State FeS/Na Batteries with Ultrahigh Initial Coulombic Efficiency of 95% and Excellent Cyclic Performances. *ACS Applied Materials & Interfaces*, **2018**, 10, 12300-12304	9.5	49
316	Review on modeling of the anode solid electrolyte interphase (SEI) for lithium-ion batteries. *Npj Computational Materials*, **2018**, 4,	10.9	589
315	A facile electrode preparation method for accurate electrochemical measurements of double-side-coated electrode from commercial Li-ion batteries. *Journal of Power Sources*, **2018**, 384, 172-177	8.9	5

314	The effects of oxygen in spinel oxide LiTiO thin films. *Scientific Reports*, **2018**, 8, 3995	4.9	7
313	Application of Li2S to compensate for loss of active lithium in a Si□ anode. *Journal of Materials Chemistry A*, **2018**, 6, 6206-6211	13	14
312	Structure-Induced Reversible Anionic Redox Activity in Na Layered Oxide Cathode. *Joule*, **2018**, 2, 125-140	27.8	216
311	Anthraquinone derivative as high-performance anode material for sodium-ion batteries using ether-based electrolytes. *Green Energy and Environment*, **2018**, 3, 63-70	5.7	11
310	Tuning hybrid liquid/solid electrolytes by lowering Li salt concentration for lithium batteries. *Chinese Physics B*, **2018**, 27, 068201	1.2	
309	A high-performance rechargeable Li□ 2 battery with quasi-solid-state electrolyte. *Chinese Physics B*, **2018**, 27, 078201	1.2	8
308	A multiphysics model that can capture crack patterns in Si thin films based on their microstructure. *Journal of Power Sources*, **2018**, 400, 383-391	8.9	18
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