Yan Yu

List of Publications by Year in Descending Order

405 papers	29,375 citations	95 h-index	157 g-index
440 ext. papers	34,893 ext. citations	12.8 avg, IF	7.96 L-index

#	Paper	IF	Citations
405	In Situ Secondary Phase Modified Low-Strain Na3Ti(PO3)3N Cathode Achieving Fast Kinetics and Ultralong Cycle Life. *ACS Energy Letters*, **2022**, 7, 632-639	20.1	2
404	Artificial Heterogeneous Interphase Layer with Boosted Ion Affinity and Diffusion for Na/K Metal Batteries.. *Advanced Materials*, **2022**, e2109439	24	11
403	Rapid internal conversion harvested in Co/Mo dichalcogenides hollow nanocages of polysulfides for stable Lithium-Sulfur batteries. *Chemical Engineering Journal*, **2022**, 434, 134498	14.7	4
402	A High-Efficiency Mo C Electrocatalyst Promoting the Polysulfide Redox Kinetics for Na-S Batteries.. *Advanced Materials*, **2022**, e2200479	24	12
401	Anisotropic presentation of ligands on cargos modulates degradative function of phagosomes.. *Biophysical Reports*, **2022**, 2, 100041-100041		
400	Fluorine-induced dual defects in nip2 anode with robust sodium storage performance. *Nano Research*, **2022**, 15, 2147	10	4
399	Structure Engineering of Vanadium Tetrasulfides for High-Capacity and High-Rate Sodium Storage.. *Small*, **2022**, e2107058	11	3
398	Energy Spotlight. *ACS Energy Letters*, **2022**, 7, 1125-1127	20.1	
397	Advances in the Development of Single-Atom Catalysts for High-Energy-Density Lithium-Sulfur Batteries.. *Advanced Materials*, **2022**, e2200102	24	13
396	Open-Ended Ni S -Co S Heterostructures Nanocage Anode with Enhanced Reaction Kinetics for Superior Potassium Ion Batteries.. *Advanced Materials*, **2022**, e2201420	24	4
395	Tin-Based Anode Materials for Stable Sodium Storage: Progress and Perspective. *Advanced Materials*, **2021**, e2106895	24	9
394	Real-Time Simultaneous Imaging of Acidification and Proteolysis in Single Phagosomes Using Bifunctional Janus-Particle Probes. *Angewandte Chemie*, **2021**, 133, 26938	3.6	
393	Real-Time Simultaneous Imaging of Acidification and Proteolysis in Single Phagosomes Using Bifunctional Janus-Particle Probes. *Angewandte Chemie - International Edition*, **2021**, 60, 26734-26739	16.4	2
392	The Progress and Prospect of Tunable Organic Molecules for Organic Lithium-Ion Batteries. *ACS Nano*, **2021**, 15, 47-80	16.7	39
391	Metal-Organic Framework-Derived Nanoconfinements of CoF and Mixed-Conducting Wiring for High-Performance Metal Fluoride-Lithium Battery. *ACS Nano*, **2021**, 15, 1509-1518	16.7	22
390	A Self-Healing Volume Variation Three-Dimensional Continuous Bulk Porous Bismuth for Ultrafast Sodium Storage. *Advanced Functional Materials*, **2021**, 31, 2011264	15.6	14
389	Recent Progress on Modification Strategies of Alloy-based Anode Materials for Alkali-ion Batteries. *Chemical Research in Chinese Universities*, **2021**, 37, 200-209	2.2	3

388	Architectural Engineering Achieves High-Performance Alloying Anodes for Lithium and Sodium Ion Batteries. *Small*, **2021**, 17, e2005248	11	12
387	Two-Dimensional Boron and Nitrogen Dual-Doped Graphitic Carbon as an Efficient Metal-Free Cathodic Electrocatalyst for Lithium-Air Batteries. *ChemElectroChem*, **2021**, 8, 949-956	4.3	1
386	NASICON Electrodes: A Low-Temperature Sodium-Ion Full Battery: Superb Kinetics and Cycling Stability (Adv. Funct. Mater. 11/2021). *Advanced Functional Materials*, **2021**, 31, 2170070	15.6	
385	Fast and Reversible Na Intercalation in Nsutite-Type VO2 Hierarchitectures. *Advanced Materials Interfaces*, **2021**, 8, 2100191	4.6	2
384	High-voltage aqueous planar symmetric sodium ion micro-batteries with superior performance at low-temperature of −40 °C. *Nano Energy*, **2021**, 82, 105688	17.1	12
383	Ultrafast Potassium Storage in F-Induced Ultra-High Edge-Defective Carbon Nanosheets. *ACS Nano*, **2021**, 15, 10217-10227	16.7	27
382	Spatial organization of FcR and TLR2/1 on phagosome membranes differentially regulates their synergistic and inhibitory receptor crosstalk. *Scientific Reports*, **2021**, 11, 13430	4.9	0
381	Efficient Stress Dissipation in Well-Aligned Pyramidal SbSn Alloy Nanoarrays for Robust Sodium Storage. *Advanced Functional Materials*, **2021**, 31, 2104798	15.6	8
380	Mesoporous carbon nanosheet-assembled flowers towards superior potassium storage. *Chinese Chemical Letters*, **2021**, 32, 1161-1164	8.1	11
379	Gallium-based anodes for alkali metal ion batteries. *Journal of Energy Chemistry*, **2021**, 55, 557-571	12	6
378	Carbon-based materials for all-solid-state zinc–air batteries **2021**, 3, 50-65		19
377	Vanadate-based electrodes for rechargeable batteries. *Materials Chemistry Frontiers*, **2021**, 5, 1585-1609	7.8	5
376	Photopolymerized Gel Electrolyte with Unprecedented Room-Temperature Ionic Conductivity for High-Energy-Density Solid-State Sodium Metal Batteries. *Advanced Energy Materials*, **2021**, 11, 2002930	21.8	21
375	Sub-nanometric Manganous Oxide Clusters in Nitrogen Doped Mesoporous Carbon Nanosheets for High-Performance Lithium-Sulfur Batteries. *Nano Letters*, **2021**, 21, 700-708	11.5	26
374	A Low-Temperature Sodium-Ion Full Battery: Superb Kinetics and Cycling Stability. *Advanced Functional Materials*, **2021**, 31, 2009458	15.6	32
373	Stable sodium metal anode enhanced by advanced electrolytes with SbF3 additive. *Rare Metals*, **2021**, 40, 433-439	5.5	12
372	Superior potassium and zinc storage in K-doped VO2(B) spheres. *Materials Chemistry Frontiers*, **2021**, 5, 3132-3138	7.8	3
371	Energy Spotlight. *ACS Energy Letters*, **2021**, 6, 710-712	20.1	

370	Frontiers for Room-Temperature Sodium–Sulfur Batteries. *ACS Energy Letters*, **2021**, 6, 529-536	20.1	32
369	Binding Se into nitrogen-doped porous carbon nanosheets for high-performance potassium storage. *Informa□□Materi□y*, **2021**, 3, 421-431	23.1	26
368	Innate immune receptor clustering and its role in immune regulation. *Journal of Cell Science*, **2021**, 134,	5.3	3
367	Liquid-Phase Peak Force Infrared Microscopy for Chemical Nanoimaging and Spectroscopy. *Analytical Chemistry*, **2021**, 93, 3567-3575	7.8	2
366	Advances in metal phosphides for sodium-ion batteries. *SusMat*, **2021**, 1, 359-392		28
365	Incorporating Cobalt Nanoparticles in Nitrogen-Doped Mesoporous Carbon Spheres through Composite Micelle Assembly for High-Performance Lithium-Sulfur Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 38604-38612	9.5	7
364	Biomimetic N-doped sea-urchin-structured porous carbon for the anode material of high-energy-density potassium-ion batteries. *Electrochimica Acta*, **2021**, 388, 138565	6.7	5
363	Individual development plans - experiences made in graduate student training. *Analytical and Bioanalytical Chemistry*, **2021**, 413, 5681-5684	4.4	
362	Research Progress on Copper-Based Current Collector for Lithium Metal Batteries. *Energy & Fuels*, **2021**, 35, 12921-12937	4.1	6
361	Boosting potassium storage performance via construction of $NbSe_2$-based misfit layered chalcogenides. *Energy Storage Materials*, **2021**, 39, 265-270	19.4	10
360	Manipulating the Electronic Structure of Nickel Alloying with Iron: Toward High-Kinetics Sulfur Cathode for Na-S Batteries. *ACS Nano*, **2021**, 15, 15218-15228	16.7	16
359	Mo N-W N Heterostructures Embedded in Spherical Carbon Superstructure as Highly Efficient Polysulfide Electrocatalysts for Stable Room-Temperature Na-S Batteries. *Advanced Materials*, **2021**, 33, e2103846	24	17
358	3D Tungsten Disulfide/Carbon Nanotube Networks as Separator Coatings and Cathode Additives for Stable and Fast Lithium-Sulfur Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 45547-45557	9.5	2
357	Design Principles of Sodium/Potassium Protection Layer for High-Power High-Energy Sodium/Potassium-Metal Batteries in Carbonate Electrolytes: a Case Study of Na Te/K Te. *Advanced Materials*, **2021**, 33, e2106353	24	20
356	Enhanced Electrochemical Performance of $Na_{0.67}Fe_{0.5}Mn_{0.5}O_2$ Cathode with SnO_2 Modification. *Chemical Research in Chinese Universities*, **2021**, 37, 1130	2.2	
355	Quantitative Coassembly for Precise Synthesis of Mesoporous Nanospheres with Pore Structure-Dependent Catalytic Performance. *Advanced Materials*, **2021**, 33, e2103130	24	1
354	Integration of Homogeneous and Heterogeneous Nucleation Growth via 3D Alloy Framework for Stable Na/K Metal Anode. *EScience*, **2021**, 1, 75-75		16
353	Status and Challenges of Cathode Materials for Room-Temperature Sodium–Sulfur Batteries. *Small Science*, **2021**, 1, 2100059		7

352	Harnessing the Volume Expansion of MoS Anode by Structure Engineering to Achieve High Performance Beyond Lithium-Based Rechargeable Batteries. *Advanced Materials*, **2021**, 33, e2106232	24	16
351	Achieving stable Na metal cycling via polydopamine/multilayer graphene coating of a polypropylene separator. *Nature Communications*, **2021**, 12, 5786	17.4	9
350	An in-situ formed stable interface layer for high-performance sodium metal anode in a non-flammable electrolyte. *Energy Storage Materials*, **2021**, 42, 145-153	19.4	13
349	Synergetic enhancement of sodium storage in gallium-based heterostructures. *Nano Energy*, **2021**, 89, 106395	17.1	6
348	Red Phosphorous-Derived Protective Layers with High Ionic Conductivity and Mechanical Strength on Dendrite-Free Sodium and Potassium Metal Anodes. *Advanced Energy Materials*, **2021**, 11, 2003381	21.8	37
347	An Efficient Strategy toward Multichambered Carbon Nanoboxes with Multiple Spatial Confinement for Advanced Sodium-Sulfur Batteries.. *ACS Nano*, **2021**, 15, 20607-20618	16.7	5
346	Sodium Ion Microscale Electrochemical Energy Storage Device: Present Status and Future Perspective. *Small Structures*, **2020**, 1, 2070003	8.7	
345	Macrophage activation on "phagocytic synapse" arrays: Spacing of nanoclustered ligands directs TLR1/2 signaling with an intrinsic limit. *Science Advances*, **2020**, 6,	14.3	6
344	Simultaneous Nanoscale Imaging of Chemical and Architectural Heterogeneity on Yeast Cell Wall Particles. *Langmuir*, **2020**, 36, 6169-6177	4	10
343	Oxygen vacancies in metal oxides: recent progress towards advanced catalyst design. *Science China Materials*, **2020**, 63, 2089-2118	7.1	81
342	Advances in K-Q (Q = S, Se and Se S) batteries. *Materials Today*, **2020**, 39, 9-22	21.8	13
341	Boosting High-Performance in Lithium-Sulfur Batteries via Dilute Electrolyte. *Nano Letters*, **2020**, 20, 5391-5399	11.5	49
340	3D Flexible, Conductive, and Recyclable TiCT MXene-Melamine Foam for High-Areal-Capacity and Long-Lifetime Alkali-Metal Anode. *ACS Nano*, **2020**, 14, 8678-8688	16.7	92
339	The Synergetic Effect of Lithium Bisoxalatodifluorophosphate and Fluoroethylene Carbonate on Dendrite Suppression for Fast Charging Lithium Metal Batteries. *Small*, **2020**, 16, e2001989	11	15
338	Lithium Difluorophosphate-Based Dual-Salt Low Concentration Electrolytes for Lithium Metal Batteries. *Advanced Energy Materials*, **2020**, 10, 2001440	21.8	53
337	A High-Capacity Ammonium Vanadate Cathode for Zinc-Ion Battery. *Nano-Micro Letters*, **2020**, 12, 67	19.5	48
336	Lithiophilic Zn Sites in Porous CuZn Alloy Induced Uniform Li Nucleation and Dendrite-free Li Metal Deposition. *Nano Letters*, **2020**, 20, 2724-2732	11.5	54
335	Development and challenge of advanced nonaqueous sodium ion batteries. *EnergyChem*, **2020**, 2, 10003	16.9	18

334	Sodium Ion Batteries: Toward High Energy Density All Solid-State Sodium Batteries with Excellent Flexibility (Adv. Energy Mater. 12/2020). *Advanced Energy Materials*, **2020**, 10, 2070055	21.8	0
333	Hybrid Cathodes Composed of K3V2(PO4)3 and Carbon Materials with Boosted Charge Transfer for K-Ion Batteries. *Surfaces*, **2020**, 3, 1-10	2.9	4
332	Regulating Lithium Nucleation and Deposition via MOF-Derived Co@C-Modified Carbon Cloth for Stable Li Metal Anode. *Advanced Functional Materials*, **2020**, 30, 1909159	15.6	87
331	Guidelines and trends for next-generation rechargeable lithium and lithium-ion batteries. *Chemical Society Reviews*, **2020**, 49, 1569-1614	58.5	615
330	Ionogel-based sodium ion micro-batteries with a 3D Na-ion diffusion mechanism enable ultrahigh rate capability. *Energy and Environmental Science*, **2020**, 13, 821-829	35.4	47
329	A High-Temperature Na-Ion Battery: Boosting the Rate Capability and Cycle Life by Structure Engineering. *Small*, **2020**, 16, e1906669	11	21
328	Toward High Energy Density All Solid-State Sodium Batteries with Excellent Flexibility. *Advanced Energy Materials*, **2020**, 10, 1903698	21.8	67
327	Advantageous Functional Integration of Adsorption-Intercalation-Conversion Hybrid Mechanisms in 3D Flexible Nb2O5@Hard Carbon@MoS2@Soft Carbon Fiber Paper Anodes for Ultrafast and Super-Stable Sodium Storage. *Advanced Functional Materials*, **2020**, 30, 1908665	15.6	43
326	Sodium/Potassium-Ion Batteries: Boosting the Rate Capability and Cycle Life by Combining Morphology, Defect and Structure Engineering. *Advanced Materials*, **2020**, 32, e1904320	24	191
325	Constructing Co O Nanowires on Carbon Fiber Film as a Lithiophilic Host for Stable Lithium Metal Anodes. *Chemistry - an Asian Journal*, **2020**, 15, 1057-1066	4.5	6
324	Boosting Potassium Storage Performance of the CuS Anode Morphology Engineering and Electrolyte Chemistry. *ACS Nano*, **2020**, 14, 6024-6033	16.7	79
323	Heterostructures of 2D Molybdenum Dichalcogenide on 2D Nitrogen-Doped Carbon: Superior Potassium-Ion Storage and Insight into Potassium Storage Mechanism. *Advanced Materials*, **2020**, 32, e2000958	24	113
322	Metal Chalcogenides: Metal Chalcogenides: Paving the Way for High-Performance Sodium/Potassium-Ion Batteries (Small Methods 1/2020). *Small Methods*, **2020**, 4, 2070002	12.8	1
321	Constructing a 3D interconnected Fe@graphitic carbon structure for a highly efficient microwave absorber. *Journal of Materials Chemistry C*, **2020**, 8, 1326-1334	7.1	13
320	Optimizing the Void Size of Yolk-Shell Bi@Void@C Nanospheres for High-Power-Density Sodium-Ion Batteries. *Nano Letters*, **2020**, 20, 758-767	11.5	78
319	Topotactic Transformation Synthesis of 2D Ultrathin GeS Nanosheets toward High-Rate and High-Energy-Density Sodium-Ion Half/Full Batteries. *ACS Nano*, **2020**, 14, 531-540	16.7	41
318	A Dual-Functional Conductive Framework Embedded with TiN-VN Heterostructures for Highly Efficient Polysulfide and Lithium Regulation toward Stable Li-S Full Batteries. *Advanced Materials*, **2020**, 32, e1905658	24	154
317	Transition metal chalcogenide anodes for sodium storage. *Materials Today*, **2020**, 35, 131-167	21.8	85

316	Membrane poration, wrinkling, and compression: deformations of lipid vesicles induced by amphiphilic Janus nanoparticles. *Nanoscale*, **2020**, 12, 20326-20336	7.7	4
315	g-C3N4 Derivative Artificial Organic/Inorganic Composite Solid Electrolyte Interphase Layer for Stable Lithium Metal Anode. *Advanced Energy Materials*, **2020**, 10, 2002647	21.8	61
314	Self-Formed Electronic/Ionic Conductive Fe S @ S @ 0.9Na SbS ?0.1NaI Composite for High-Performance Room-Temperature All-Solid-State Sodium-Sulfur Battery. *Small*, **2020**, 16, e2001574	11	23
313	Unraveling the Nature of Excellent Potassium Storage in Small-Molecule Se@Peapod-Like N-Doped Carbon Nanofibers. *Advanced Materials*, **2020**, 32, e2003879	24	47
312	Boosting Potassium Storage by Integration Advantageous of Defect Engineering and Spatial Confinement: A Case Study of Sb Se. *Small*, **2020**, 16, e2005272	11	20
311	Sodium-Ion Batteries: Ostwald Ripening Tailoring Hierarchically Porous Na3V2(PO4)2O2F Hollow Nanospheres for Superior High-Rate and Ultrastable Sodium Ion Storage (Small 48/2020). *Small*, **2020**, 16, 2070263	11	1
310	Chebyshev polynomial method to Landauer□□tiker formula of quantum transport in nanostructures. *AIP Advances*, **2020**, 10, 075215	1.5	0
309	Vanadium-Based Materials: Next Generation Electrodes Powering the Battery Revolution?. *Accounts of Chemical Research*, **2020**, 53, 1660-1671	24.3	50
308	Phase Engineering of Iron-Cobalt Sulfides for Zn-Air and Na-Ion Batteries. *ACS Nano*, **2020**, 14, 10438-10451	15.7	20
307	Enhanced Pseudo-Capacitive Contributions to High-Performance Sodium Storage in TiO/C Nanofibers via Double Effects of Sulfur Modification. *Nano-Micro Letters*, **2020**, 12, 165	19.5	15
306	Ostwald Ripening Tailoring Hierarchically Porous Na V (PO) O F Hollow Nanospheres for Superior High-Rate and Ultrastable Sodium Ion Storage. *Small*, **2020**, 16, e2004925	11	14
305	Hierarchical Microtubes Constructed by MoS Nanosheets with Enhanced Sodium Storage Performance. *ACS Nano*, **2020**, 14, 15577-15586	16.7	37
304	Sodium Ion Microscale Electrochemical Energy Storage Device: Present Status and Future Perspective. *Small Structures*, **2020**, 1, 2000053	8.7	31
303	Integrating Conductivity, Captivity, and Immobility Ability into N/O Dual-Doped Porous Carbon Nanocage Anchored with CNT as an Effective Se Host for Advanced K-Se Battery. *Advanced Functional Materials*, **2020**, 30, 2003871	15.6	21
302	Progress and Prospects of Transition Metal Sulfides for Sodium Storage. *Advanced Fiber Materials*, **2020**, 2, 314-337	10.9	36
301	VOPO4?2H2O Nanosheet Cathode for Enhanced Sodium Storage. *Frontiers in Energy Research*, **2020**, 8,	3.8	5
300	3D porous V2O5 architectures for high-rate lithium storage. *Journal of Energy Chemistry*, **2020**, 40, 15-21	12	27
299	Metal Chalcogenides: Paving the Way for High-Performance Sodium/Potassium-Ion Batteries. *Small Methods*, **2020**, 4, 1900563	12.8	97

298	Boosting the potassium storage performance of carbon anode via integration of adsorption-intercalation hybrid mechanisms. *Nano Energy*, **2020**, 73, 104807	17.1	31
297	A Mixed Lithium-Ion Conductive Li2S/Li2Se Protection Layer for Stable Lithium Metal Anode. *Advanced Functional Materials*, **2020**, 30, 2001607	15.6	83
296	3D Honeycomb Architecture Enables a High-Rate and Long-Life Iron (III) Fluoride-Lithium Battery. *Advanced Materials*, **2019**, 31, e1905146	24	43
295	RuO Particles Anchored on Brush-Like 3D Carbon Cloth Guide Homogenous Li/Na Nucleation Framework for Stable Li/Na Anode. *Small*, **2019**, 15, e1903725	11	21
294	The Promise and Challenge of Phosphorus-Based Composites as Anode Materials for Potassium-Ion Batteries. *Advanced Materials*, **2019**, 31, e1901414	24	105
293	A new high-capacity and safe energy storage system: lithium-ion sulfur batteries. *Nanoscale*, **2019**, 11, 19140-19157	7.7	15
292	Cross-linked beta alumina nanowires with compact gel polymer electrolyte coating for ultra-stable sodium metal battery. *Nature Communications*, **2019**, 10, 4244	17.4	128
291	Advanced cathodes for potassium-ion battery. *Current Opinion in Electrochemistry*, **2019**, 18, 24-30	7.2	28
290	Tracking Single Molecules in Biomembranes: Is Seeing Always Believing?. *ACS Nano*, **2019**, 13, 10860-10868	13.7	8
289	Bismuth nanospheres embedded in three-dimensional (3D) porous graphene frameworks as high performance anodes for sodium- and potassium-ion batteries. *Journal of Materials Chemistry A*, **2019**, 7, 4913-4921	13	121
288	Boosting Potassium-Ion Battery Performance by Encapsulating Red Phosphorus in Free-Standing Nitrogen-Doped Porous Hollow Carbon Nanofibers. *Nano Letters*, **2019**, 19, 1351-1358	11.5	186
287	NaV(PO): an advanced cathode for sodium-ion batteries. *Nanoscale*, **2019**, 11, 2556-2576	7.7	130
286	Oxyvanite V3O5: A new intercalation-type anode for lithium-ion battery. *Informa□□Materi□y*, **2019**, 1, 251	23.1	87
285	Self-Supported and Flexible Sulfur Cathode Enabled via Synergistic Confinement for High-Energy-Density Lithium-Sulfur Batteries. *Advanced Materials*, **2019**, 31, e1902228	24	149
284	Freestanding CNT-modified graphitic carbon foam as a flexible anode for potassium ion batteries. *Journal of Materials Chemistry A*, **2019**, 7, 15774-15781	13	57
283	Boosting Sodium Storage in TiF3/Carbon Core/Sheath Nanofibers through an Efficient Mixed-Conducting Network. *Advanced Energy Materials*, **2019**, 9, 1901470	21.8	13
282	Electrode Materials for Rechargeable Zinc-Ion and Zinc-Air Batteries: Current Status and Future Perspectives. *Electrochemical Energy Reviews*, **2019**, 2, 395-427	29.3	69
281	Natural Vermiculite Enables High-Performance in Lithium-Sulfur Batteries via Electrical Double Layer Effects. *Advanced Functional Materials*, **2019**, 29, 1902820	15.6	27

280	Transformation of Polyoxometalate into 3D Porous Li-Containing Oxide: A Case Study of LiV2O5 for High-Performance Cathodes of Li-Ion Batteries. *Small Methods*, **2019**, 3, 1900187	12.8	12
279	Morphology-controlled Fabrication of SnO /ZnO Nanocomposites with Enhanced Photocatalytic Performance. *Photochemistry and Photobiology*, **2019**, 95, 1131-1141	3.6	7
278	Persistent zinc-ion storage in mass-produced V2O5 architectures. *Nano Energy*, **2019**, 60, 171-178	17.1	98
277	Self-Supporting Hybrid Fiber Mats of CuP-CoP/N-C Endowed with Enhanced Lithium/Sodium Ions Storage Performances. *ACS Applied Materials & Interfaces*, **2019**, 11, 11442-11450	9.5	32
276	Spatially confining and chemically bonding amorphous red phosphorus in the nitrogen doped porous carbon tubes leading to superior sodium storage performance. *Journal of Materials Chemistry A*, **2019**, 7, 8581-8588	13	19
275	Well-Defined Cu O/Cu (BTC) Sponge Architecture as Efficient Phenolics Scavenger: Synchronous Etching and Reduction of MOFs in confined-pH NH ?H O. *Small*, **2019**, 15, e1805478	11	10
274	A Double-Buffering Strategy to Boost the Lithium Storage of Botryoid MnO /C Anodes. *Small*, **2019**, 15, e1900015	11	24
273	Hierarchical Metal Sulfide/Carbon Spheres: A Generalized Synthesis and High Sodium-Storage Performance. *Angewandte Chemie*, **2019**, 131, 7316-7321	3.6	8
272	Hierarchical Metal Sulfide/Carbon Spheres: A Generalized Synthesis and High Sodium-Storage Performance. *Angewandte Chemie - International Edition*, **2019**, 58, 7238-7243	16.4	57
271	Octahedral Cu2O@Co(OH)2 Nanocages with Hierarchical Flake-Like Walls and Yolk-Shell Structures for Enhanced Electrocatalytic Activity. *ChemCatChem*, **2019**, 11, 2520-2525	5.2	11
270	Encapsulation of SeS into Nitrogen-Doped Free-Standing Carbon Nanofiber Film Enabling Long Cycle Life and High Energy Density K-SeS Battery. *ACS Nano*, **2019**, 13, 4695-4704	16.7	66
269	Safety of Sodium-Ion Batteries: High-Safety Nonaqueous Electrolytes and Interphases for Sodium-Ion Batteries (Small 14/2019). *Small*, **2019**, 15, 1970072	11	11
268	Toward High Power-High Energy Sodium Cathodes: A Case Study of Bicontinuous Ordered Network of 3D Porous Na (VO) (PO) F/rGO with Pseudocapacitance Effect. *Small*, **2019**, 15, e1900356	11	34
267	Niobium-Based Oxides Toward Advanced Electrochemical Energy Storage: Recent Advances and Challenges. *Small*, **2019**, 15, e1804884	11	86
266	Peering into Alloy Anodes for Sodium-Ion Batteries: Current Trends, Challenges, and Opportunities. *Advanced Functional Materials*, **2019**, 29, 1808745	15.6	133
265	Multicore-Shell Bi@N-doped Carbon Nanospheres for High Power Density and Long Cycle Life Sodium- and Potassium-Ion Anodes. *Advanced Functional Materials*, **2019**, 29, 1809195	15.6	183
264	High-Safety Nonaqueous Electrolytes and Interphases for Sodium-Ion Batteries. *Small*, **2019**, 15, e1805479	11	33
263	Binding Nanosized Cobalt Chalcogenides in B,N-Codoped Graphene for Enhanced Sodium Storage. *Small Methods*, **2019**, 3, 1800170	12.8	34

262	2D material as anode for sodium ion batteries: Recent progress and perspectives. *Energy Storage Materials*, **2019**, 16, 323-343	19.4	148
261	Lithium‐Sulfur Batteries: Self-Supported and Flexible Sulfur Cathode Enabled via Synergistic Confinement for High-Energy-Density Lithium‐Sulfur Batteries (Adv. Mater. 33/2019). *Advanced Materials*, **2019**, 31, 1970236	24	8
260	Three-Dimensional Ordered Macroporous Metal-Organic Framework Single Crystal-Derived Nitrogen-Doped Hierarchical Porous Carbon for High-Performance Potassium-Ion Batteries. *Nano Letters*, **2019**, 19, 4965-4973	11.5	152
259	A Novel Protective Strategy on High-Voltage LiCoO2 Cathode for Fast Charging Applications: Li1.6Mg1.6Sn2.8O8 Double Layer Structure via SnO2 Surface Modification. *Small Methods*, **2019**, 3, 1900355	12.8	11
258	Mechanistic Understanding of Metal Phosphide Host for Sulfur Cathode in High-Energy-Density Lithium-Sulfur Batteries. *ACS Nano*, **2019**, 13, 8986-8996	16.7	129
257	Manipulation of 2D carbon nanoplates with a core‐shell structure for high-performance potassium-ion batteries. *Journal of Materials Chemistry A*, **2019**, 7, 19929-19938	13	29
256	Metal Fluoride‐Lithium Batteries: 3D Honeycomb Architecture Enables a High-Rate and Long-Life Iron (III) Fluoride‐Lithium Battery (Adv. Mater. 43/2019). *Advanced Materials*, **2019**, 31, 1970304	24	1
255	Lipid bilayer disruption induced by amphiphilic Janus nanoparticles: the non-monotonic effect of charged lipids. *Soft Matter*, **2019**, 15, 2373-2380	3.6	10
254	A multi-layered Ti3C2/Li2S composite as cathode material for advanced lithium-sulfur batteries. *Journal of Energy Chemistry*, **2019**, 39, 176-181	12	30
253	Geometrical reorganization of Dectin-1 and TLR2 on single phagosomes alters their synergistic immune signaling. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 25106-25114	11.5	12
252	Potassium-Ion Batteries: The Promise and Challenge of Phosphorus-Based Composites as Anode Materials for Potassium-Ion Batteries (Adv. Mater. 50/2019). *Advanced Materials*, **2019**, 31, 1970354	24	1
251	Boosting the rate capability of multichannel porous TiO2 nanofibers with well-dispersed Cu nanodots and Cu2+-doping derived oxygen vacancies for sodium-ion batteries. *Nano Research*, **2019**, 12, 2211-2217	10	21
250	Regulating Lithium Nucleation via CNTs Modifying Carbon Cloth Film for Stable Li Metal Anode. *Small*, **2019**, 15, e1803734	11	67
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