Shu-Lei Chou

List of Publications by Citations

369 papers	22,448 citations	80 h-index	134 g-index
403 ext. papers	27,612 ext. citations	11.9 avg, IF	7.54 L-index

#	Paper	IF	Citations
369	Advances and Challenges in Metal Sulfides/Selenides for Next-Generation Rechargeable Sodium-Ion Batteries. *Advanced Materials*, **2017**, 29, 1700606	24	569
368	Reduced graphene oxide with superior cycling stability and rate capability for sodium storage. *Carbon*, **2013**, 57, 202-208	10.4	446
367	Electrodeposition of MnO2 nanowires on carbon nanotube paper as free-standing, flexible electrode for supercapacitors. *Electrochemistry Communications*, **2008**, 10, 1724-1727	5.1	387
366	Enhanced reversible lithium storage in a nanosize silicon/graphene composite. *Electrochemistry Communications*, **2010**, 12, 303-306	5.1	361
365	Simply mixed commercial red phosphorus and carbon nanotube composite with exceptionally reversible sodium-ion storage. *Nano Letters*, **2013**, 13, 5480-4	11.5	347
364	Sulfur□esoporous carbon composites in conjunction with a novel ionic liquid electrolyte for lithium rechargeable batteries. *Carbon*, **2008**, 46, 229-235	10.4	340
363	Sodium-Ion Batteries: From Academic Research to Practical Commercialization. *Advanced Energy Materials*, **2018**, 8, 1701428	21.8	335
362	Uniform yolk-shell iron sulfide-carbon nanospheres for superior sodium-iron sulfide batteries. *Nature Communications*, **2015**, 6, 8689	17.4	322
361	Recent Developments on and Prospects for Electrode Materials with Hierarchical Structures for Lithium-Ion Batteries. *Advanced Energy Materials*, **2018**, 8, 1701415	21.8	321
360	Rapid Synthesis of Li4Ti5O12 Microspheres as Anode Materials and Its Binder Effect for Lithium-Ion Battery. *Journal of Physical Chemistry C*, **2011**, 115, 16220-16227	3.8	319
359	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
358	Necklace-like Multishelled Hollow Spinel Oxides with Oxygen Vacancies for Efficient Water Electrolysis. *Journal of the American Chemical Society*, **2018**, 140, 13644-13653	16.4	288
357	Atomic-Scale CoOx Species in Metal□Organic Frameworks for Oxygen Evolution Reaction. *Advanced Functional Materials*, **2017**, 27, 1702546	15.6	279
356	Sn4+x P3 @ amorphous Sn-P composites as anodes for sodium-ion batteries with low cost, high capacity, long life, and superior rate capability. *Advanced Materials*, **2014**, 26, 4037-42	24	278
355	Small things make a big difference: binder effects on the performance of Li and Na batteries. *Physical Chemistry Chemical Physics*, **2014**, 16, 20347-59	3.6	276
354	Ultrafine SnO2 nanoparticle loading onto reduced graphene oxide as anodes for sodium-ion batteries with superior rate and cycling performances. *Journal of Materials Chemistry A*, **2014**, 2, 529-534	13	272
353	Hollow structured Li3VO4 wrapped with graphene nanosheets in situ prepared by a one-pot template-free method as an anode for lithium-ion batteries. *Nano Letters*, **2013**, 13, 4715-20	11.5	270

352	Flexible free-standing carbon nanotube films for model lithium-ion batteries. *Carbon*, **2009**, 47, 2976-2983	10.4	266
351	Development of MoS2–CNT Composite Thin Film from Layered MoS2 for Lithium Batteries. *Advanced Energy Materials*, **2013**, 3, 798-805	21.8	263
350	Achieving High-Performance Room-Temperature Sodium-Sulfur Batteries With S@Interconnected Mesoporous Carbon Hollow Nanospheres. *Journal of the American Chemical Society*, **2016**, 138, 16576-16579	14.4	225
349	Atomic cobalt as an efficient electrocatalyst in sulfur cathodes for superior room-temperature sodium-sulfur batteries. *Nature Communications*, **2018**, 9, 4082	17.4	223
348	High-surface-area α-Fe2O3/carbon nanocomposite: one-step synthesis and its highly reversible and enhanced high-rate lithium storage properties. *Journal of Materials Chemistry*, **2010**, 20, 2092		221
347	Flexible free-standing graphene-silicon composite film for lithium-ion batteries. *Electrochemistry Communications*, **2010**, 12, 1467-1470	5.1	218
346	Electrodeposition synthesis and electrochemical properties of nanostructured β-MnO2 films. *Journal of Power Sources*, **2006**, 162, 727-734	8.9	218
345	Room-Temperature Sodium-Sulfur Batteries: A Comprehensive Review on Research Progress and Cell Chemistry. *Advanced Energy Materials*, **2017**, 7, 1602829	21.8	206
344	Yolk-shell silicon-mesoporous carbon anode with compact solid electrolyte interphase film for superior lithium-ion batteries. *Nano Energy*, **2015**, 18, 133-142	17.1	197
343	Silicon/Mesoporous Carbon/Crystalline TiO Nanoparticles for Highly Stable Lithium Storage. *ACS Nano*, **2016**, 10, 10524-10532	16.7	197
342	Quinone Electrode Materials for Rechargeable Lithium/Sodium Ion Batteries. *Advanced Energy Materials*, **2017**, 7, 1700278	21.8	193
341	Graphene wrapped LiFePO4/C composites as cathode materials for Li-ion batteries with enhanced rate capability. *Journal of Materials Chemistry*, **2012**, 22, 16465		185
340	High Capacity, Safety, and Enhanced Cyclability of Lithium Metal Battery Using a V2O5 Nanomaterial Cathode and Room Temperature Ionic Liquid Electrolyte. *Chemistry of Materials*, **2008**, 20, 7044-7051	9.6	184
339	High-performance sodium-ion batteries and sodium-ion pseudocapacitors based on MoS(2) /graphene composites. *Chemistry - A European Journal*, **2014**, 20, 9607-12	4.8	181
338	Nanocomposite Materials for the Sodium-Ion Battery: A Review. *Small*, **2018**, 14, 1702514	11	178
337	Facile synthesis of a interleaved expanded graphite-embedded sulphur nanocomposite as cathode of Li–S batteries with excellent lithium storage performance. *Journal of Materials Chemistry*, **2012**, 22, 4744		174
336	Electronic and Defective Engineering of Electrospun CaMnO3 Nanotubes for Enhanced Oxygen Electrocatalysis in Rechargeable Zinc–Air Batteries. *Advanced Energy Materials*, **2018**, 8, 1800612	21.8	171
335	The effect of different binders on electrochemical properties of LiNi1/3Mn1/3Co1/3O2 cathode material in lithium ion batteries. *Journal of Power Sources*, **2013**, 225, 172-178	8.9	167

334	Free-standing single-walled carbon nanotube/SnO2 anode paper for flexible lithium-ion batteries. *Carbon*, **2012**, 50, 1289-1297	10.4	164
333	Critical thickness of phenolic resin-based carbon interfacial layer for improving long cycling stability of silicon nanoparticle anodes. *Nano Energy*, **2016**, 27, 255-264	17.1	163
332	Mo2C/CNT: An Efficient Catalyst for Rechargeable Li□O2 Batteries. *Advanced Functional Materials*, **2017**, 27, 1700564	15.6	158
331	Fe-Ni-Mo Nitride Porous Nanotubes for Full Water Splitting and Zn-Air Batteries. *Advanced Energy Materials*, **2018**, 8, 1802327	21.8	157
330	Recent Progress of Layered Transition Metal Oxide Cathodes for Sodium-Ion Batteries. *Small*, **2019**, 15, e1805381	11	154
329	NASICON-type air-stable and all-climate cathode for sodium-ion batteries with low cost and high-power density. *Nature Communications*, **2019**, 10, 1480	17.4	145
328	Research Progress in MnO -Carbon Based Supercapacitor Electrode Materials. *Small*, **2018**, 14, e1702883	11	144
327	Identifying Dense NiSe /CoSe Heterointerfaces Coupled with Surface High-Valence Bimetallic Sites for Synergistically Enhanced Oxygen Electrocatalysis. *Advanced Materials*, **2020**, 32, e2000607	24	143
326	Recent Progress on the Alloy-Based Anode for Sodium-Ion Batteries and Potassium-Ion Batteries. *Small*, **2021**, 17, e1903194	11	140
325	A new, cheap, and productive FeP anode material for sodium-ion batteries. *Chemical Communications*, **2015**, 51, 3682-5	5.8	139
324	Cobalt phosphide as a new anode material for sodium storage. *Journal of Power Sources*, **2015**, 294, 627-632	8.9	137
323	Spray pyrolyzed NiO□ nanocomposite as an anode material for the lithium-ion battery with enhanced capacity retention. *Solid State Ionics*, **2010**, 180, 1646-1651	3.3	137
322	Manganese based layered oxides with modulated electronic and thermodynamic properties for sodium ion batteries. *Nature Communications*, **2019**, 10, 5203	17.4	130
321	Chemical Properties, Structural Properties, and Energy Storage Applications of Prussian Blue Analogues. *Small*, **2019**, 15, e1900470	11	127
320	A Metal-Free, Free-Standing, Macroporous Graphene@g-C□N□ Composite Air Electrode for High-Energy Lithium Oxygen Batteries. *Small*, **2015**, 11, 2817-24	11	127
319	Carbon-Coated Na Fe (P O) Cathode Material for High-Rate and Long-Life Sodium-Ion Batteries. *Advanced Materials*, **2017**, 29, 1605535	24	123
318	The Cathode Choice for Commercialization of Sodium-Ion Batteries: Layered Transition Metal Oxides versus Prussian Blue Analogs. *Advanced Functional Materials*, **2020**, 30, 1909530	15.6	122
317	General □Electron-Assisted Strategy for Ir, Pt, Ru, Pd, Fe, Ni Single-Atom Electrocatalysts with Bifunctional Active Sites for Highly Efficient Water Splitting. *Angewandte Chemie - International Edition*, **2019**, 58, 11868-11873	16.4	120

316	Silicon/Single-Walled Carbon Nanotube Composite Paper as a Flexible Anode Material for Lithium Ion Batteries. *Journal of Physical Chemistry C*, **2010**, 114, 15862-15867	3.8	119
315	Multifunctional conducing polymer coated Na1+MnFe(CN)6 cathode for sodium-ion batteries with superior performance via a facile and one-step chemistry approach. *Nano Energy*, **2015**, 13, 200-207	17.1	118
314	Facile Method To Synthesize Na-Enriched Na1+xFeFe(CN)6 Frameworks as Cathode with Superior Electrochemical Performance for Sodium-Ion Batteries. *Chemistry of Materials*, **2015**, 27, 1997-2003	9.6	115
313	Electrochemical deposition of porous Co3O4 nanostructured thin film for lithium-ion battery. *Journal of Power Sources*, **2008**, 182, 359-364	8.9	114
312	Long-Life Room-Temperature Sodium-Sulfur Batteries by Virtue of Transition-Metal-Nanocluster-Sulfur Interactions. *Angewandte Chemie - International Edition*, **2019**, 58, 1484-1488	16.4	113
311	Reversible structural evolution of sodium-rich rhombohedral Prussian blue for sodium-ion batteries. *Nature Communications*, **2020**, 11, 980	17.4	112
310	Recent research progresses in ether- and ester-based electrolytes for sodium-ion batteries. *InformaMaterly*, **2019**, 1, 376-389	23.1	107
309	Improving the electrochemical performance of the LiNi0.5Mn1.5O4 spinel by polypyrrole coating as a cathode material for the lithium-ion battery. *Journal of Materials Chemistry A*, **2015**, 3, 404-411	13	105
308	High-Abundance and Low-Cost Metal-Based Cathode Materials for Sodium-Ion Batteries: Problems, Progress, and Key Technologies. *Advanced Energy Materials*, **2019**, 9, 1803609	21.8	104
307	Rapid synthesis of Fe2O3/rGO nanocomposites by microwave autoclave as superior anodes for sodium-ion batteries. *Journal of Power Sources*, **2015**, 280, 107-113	8.9	101
306	Porous AgPd-Pd Composite Nanotubes as Highly Efficient Electrocatalysts for Lithium-Oxygen Batteries. *Advanced Materials*, **2015**, 27, 6862-9	24	100
305	A phosphorus/N-doped carbon nanofiber composite as an anode material for sodium-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 19011-19017	13	99
304	SnO2-coated multiwall carbon nanotube composite anode materials for rechargeable lithium-ion batteries. *Electrochimica Acta*, **2010**, 56, 314-320	6.7	98
303	Facile Synthesis of Hierarchical Hollow CoP@C Composites with Superior Performance for Sodium and Potassium Storage. *Angewandte Chemie - International Edition*, **2020**, 59, 5159-5164	16.4	98
302	Structural design of anode materials for sodium-ion batteries. *Journal of Materials Chemistry A*, **2018**, 6, 6183-6205	13	97
301	Reversible sodium storage via conversion reaction of a MoSC composite. *Chemical Communications*, **2014**, 50, 10730-3	5.8	97
300	Phosphorus and phosphide nanomaterials for sodium-ion batteries. *Nano Research*, **2017**, 10, 4055-4081	10	90
299	Highly Ambient-Stable 1T-MoS and 1T-WS by Hydrothermal Synthesis under High Magnetic Fields. *ACS Nano*, **2019**, 13, 1694-1702	16.7	89

298	Hard Carbon Anodes: Fundamental Understanding and Commercial Perspectives for Na-Ion Batteries beyond Li-Ion and K-Ion Counterparts. *Advanced Energy Materials*, **2021**, 11, 2002704	21.8	88
297	Significant enhancement of the cycling performance and rate capability of the P/C composite via chemical bonding (P□). *Journal of Materials Chemistry A*, **2016**, 4, 505-511	13	87
296	Current Progress on Rechargeable Magnesium□Air Battery. *Advanced Energy Materials*, **2017**, 7, 1700869	21.8	87
295	Alloy Anodes for Rechargeable Alkali-Metal Batteries: Progress and Challenge **2019**, 1, 217-229		85
294	Multiangular Rod-Shaped NaMnO as Cathode Materials with High Rate and Long Life for Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 3644-3652	9.5	84
293	Nickel sulfide nanocrystals on nitrogen-doped porous carbon nanotubes with high-efficiency electrocatalysis for room-temperature sodium-sulfur batteries. *Nature Communications*, **2019**, 10, 4793	17.4	84
292	Paper-like free-standing polypyrrole and polypyrrole□iFePO4 composite films for flexible and bendable rechargeable battery. *Electrochemistry Communications*, **2008**, 10, 1781-1784	5.1	82
291	Na3V2(PO4)3 particles partly embedded in carbon nanofibers with superb kinetics for ultra-high power sodium ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 1005-1009	13	80
290	Nanocomposites of silicon and carbon derived from coal tar pitch: Cheap anode materials for lithium-ion batteries with long cycle life and enhanced capacity. *Electrochimica Acta*, **2013**, 93, 213-221	6.7	80
289	A High-Kinetics Sulfur Cathode with a Highly Efficient Mechanism for Superior Room-Temperature Na-S Batteries. *Advanced Materials*, **2020**, 32, e1906700	24	79
288	Atomic-Local Environments of Single-Atom Catalysts: Synthesis, Electronic Structure, and Activity. *Advanced Energy Materials*, **2019**, 9, 1900722	21.8	78
287	Construction of 3D pomegranate-like Na3V2(PO4)3/conducting carbon composites for high-power sodium-ion batteries. *Journal of Materials Chemistry A*, **2017**, 5, 9833-9841	13	77
286	Controlled synthesis of copper telluride nanostructures for long-cycling anodes in lithium ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 11683	13	77
285	A facile route to carbon-coated SnO2 nanoparticles combined with a new binder for enhanced cyclability of Li-ion rechargeable batteries. *Electrochimica Acta*, **2009**, 54, 7519-7524	6.7	75
284	Basic molten salt process□A new route for synthesis of nanocrystalline Li4Ti5O12□iO2 anode material for Li-ion batteries using eutectic mixture of LiNO3□iOH□i2O2. *Journal of Power Sources*, **2010**, 195, 4297-4303	8.9	75
283	ZnSe Microsphere/Multiwalled Carbon Nanotube Composites as High-Rate and Long-Life Anodes for Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 19626-19632	9.5	74
282	Uncovering a facile large-scale synthesis of LiNi1/3Co1/3Mn1/3O2 nanoflowers for high power lithium-ion batteries. *Journal of Power Sources*, **2015**, 275, 200-206	8.9	73
281	Sodium transition metal oxides: the preferred cathode choice for future sodium-ion batteries?. *Energy and Environmental Science*, **2021**, 14, 158-179	35.4	73

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279	Fabrication of Superior Single-Atom Catalysts toward Diverse Electrochemical Reactions. *Small Methods*, **2019**, 3, 1800497	12.8	68
278	Uniform Ni-rich LiNi0.6Co0.2Mn0.2O2 Porous Microspheres: Facile Designed Synthesis and Their Improved Electrochemical Performance. *Electrochimica Acta*, **2016**, 191, 401-410	6.7	68
277	An Alternative to Lithium Metal Anodes: Non-dendritic and Highly Reversible Sodium Metal Anodes for Li-Na Hybrid Batteries. *Angewandte Chemie - International Edition*, **2018**, 57, 14796-14800	16.4	68
276	Structure-Property Relationships of Organic Electrolytes and Their Effects on Li/S Battery Performance. *Advanced Materials*, **2017**, 29, 1700449	24	67
275	Nickel sulfide cathode in combination with an ionic liquid-based electrolyte for rechargeable lithium batteries. *Solid State Ionics*, **2008**, 179, 2379-2382	3.3	66
274	Highly Ordered Single Crystalline Nanowire Array Assembled Three-Dimensional Nb3O7(OH) and Nb2O5 Superstructures for Energy Storage and Conversion Applications. *ACS Nano*, **2016**, 10, 507-14	16.7	65
273	Functional membrane separators for next-generation high-energy rechargeable batteries. *National Science Review*, **2017**, 4, 917-933	10.8	64
272	Enhancing the high rate capability and cycling stability of LiMn□□ by coating of solid-state electrolyte LiNbO□*ACS Applied Materials & Interfaces*, **2014**, 6, 22155-65	9.5	64
271	MoS2 with an intercalation reaction as a long-life anode material for lithium ion batteries. *Inorganic Chemistry Frontiers*, **2016**, 3, 532-535	6.8	63
270	Recent progress on iron- and manganese-based anodes for sodium-ion and potassium-ion batteries. *Energy Storage Materials*, **2019**, 19, 163-178	19.4	62
269	A Hydrostable Cathode Material Based on the Layered P2@P3 Composite that Shows Redox Behavior for Copper in High-Rate and Long-Cycling Sodium-Ion Batteries. *Angewandte Chemie - International Edition*, **2019**, 58, 1412-1416	16.4	62
268	All Carbon Dual Ion Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 35978-35983	9.5	62
267	A Novel Graphene Oxide Wrapped Na2Fe2(SO4)3/C Cathode Composite for Long Life and High Energy Density Sodium-Ion Batteries. *Advanced Energy Materials*, **2018**, 8, 1800944	21.8	61
266	Self-assembled graphene and LiFePO4 composites with superior high rate capability for lithium ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 4927	13	61
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262	A 3D porous nitrogen-doped carbon-nanofiber-supported palladium composite as an efficient catalytic cathode for lithium–oxygen batteries. *Journal of Materials Chemistry A*, **2017**, 5, 1462-1471	13	60
261	Development and Investigation of a NASICON-Type High-Voltage Cathode Material for High-Power Sodium-Ion Batteries. *Angewandte Chemie - International Edition*, **2020**, 59, 2449-2456	16.4	60
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259	Cobalt-Encapsulated Nitrogen-Doped Carbon Nanotube Arrays for Flexible Zinc–Air Batteries. *Small Methods*, **2020**, 4, 1900571	12.8	59
258	Morphology tuning of inorganic nanomaterials grown by precipitation through control of electrolytic dissociation and supersaturation. *Nature Chemistry*, **2019**, 11, 695-701	17.6	58
257	Electrochemical Deposition of Porous Co(OH)[sub 2] Nanoflake Films on Stainless Steel Mesh for Flexible Supercapacitors. *Journal of the Electrochemical Society*, **2008**, 155, A926	3.9	58
256	Rapid synthesis of binary Ni–S–NiS by microwave autoclave for rechargeable lithium batteries. *Electrochimica Acta*, **2011**, 58, 456-462	6.7	57
255	Organic Cross-Linker Enabling a 3D Porous Skeleton–Supported Na3V2(PO4)3/Carbon Composite for High Power Sodium-Ion Battery Cathode. *Small Methods*, **2019**, 3, 1800169	12.8	57
254	A facile route to synthesize transition metal oxide/reduced graphene oxide composites and their lithium storage performance. *RSC Advances*, **2013**, 3, 16597	3.7	56
253	Synthesis and electrochemical performance of LiV3O8/polyaniline as cathode material for the lithium battery. *Journal of Power Sources*, **2012**, 220, 47-53	8.9	56
252	Electrochemical Deposition of Ni(OH)2 and Fe-Doped Ni(OH)2 Tubes. *European Journal of Inorganic Chemistry*, **2005**, 2005, 4035-4039	2.3	56
251	Oxygen vacancies promoting the electrocatalytic performance of CeO2 nanorods as cathode materials for Li–O2 batteries. *Journal of Materials Chemistry A*, **2019**, 7, 6552-6561	13	56
250	Remedies for Polysulfide Dissolution in Room-Temperature Sodium-Sulfur Batteries. *Advanced Materials*, **2020**, 32, e1903952	24	56
249	Binder-Free and Carbon-Free 3D Porous Air Electrode for Li-O2 Batteries with High Efficiency, High Capacity, and Long Life. *Small*, **2016**, 12, 3031-8	11	55
248	Tuning Oxygen Redox Chemistry in Li-Rich Mn-Based Layered Oxide Cathodes by Modulating Cation Arrangement. *Advanced Materials*, **2019**, 31, e1901808	24	55
247	In-situ hydrothermal synthesis of graphene woven VO2 nanoribbons with improved cycling performance. *Journal of Power Sources*, **2013**, 244, 684-689	8.9	54
246	Nanocrystalline porous LiFeO2–C composite—an environmentally friendly cathode for the lithium-ion battery. *Energy and Environmental Science*, **2011**, 4, 952-957	35.4	54
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241	SnO2 meso-scale tubes: One-step, room temperature electrodeposition synthesis and kinetic investigation for lithium storage. *Electrochemistry Communications*, **2009**, 11, 242-246	5.1	52
240	Understanding High-Rate K -Solvent Co-Intercalation in Natural Graphite for Potassium-Ion Batteries. *Angewandte Chemie - International Edition*, **2020**, 59, 12917-12924	16.4	52
239	Lithium/Oxygen Incorporation and Microstructural Evolution during Synthesis of Li-Rich Layered Li[Li0.2Ni0.2Mn0.6]O2 Oxides. *Advanced Energy Materials*, **2019**, 9, 1803094	21.8	52
238	Ultra-High Initial Coulombic Efficiency Induced by Interface Engineering Enables Rapid, Stable Sodium Storage. *Angewandte Chemie - International Edition*, **2021**, 60, 11481-11486	16.4	51
237	Carbon-Coated Hierarchical SnO2 Hollow Spheres for Lithium Ion Batteries. *Chemistry - A European Journal*, **2016**, 22, 5853-7	4.8	51
236	Electrochemical energy storage devices working in extreme conditions. *Energy and Environmental Science*, **2021**, 14, 3323-3351	35.4	51
235	A S/N-doped high-capacity mesoporous carbon anode for Na-ion batteries. *Journal of Materials Chemistry A*, **2019**, 7, 11976-11984	13	50
234	One-pot synthesis of ultra-small magnetite nanoparticles on the surface of reduced graphene oxide nanosheets as anodes for sodium-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 4793-4798	13	50
233	Layered P2-Na0.66Fe0.5Mn0.5O2 Cathode Material for Rechargeable Sodium-Ion Batteries. *ChemElectroChem*, **2014**, 1, 371-374	4.3	50
232	Long-Life Room-Temperature Sodium–Sulfur Batteries by Virtue of Transition-Metal-Nanocluster–Sulfur Interactions. *Angewandte Chemie*, **2019**, 131, 1498-1502	3.6	50
231	In-Situ Electrochemically Activated Surface Vanadium Valence in V2C MXene to Achieve High Capacity and Superior Rate Performance for Zn-Ion Batteries. *Advanced Functional Materials*, **2021**, 31, 2008033	15.6	49
230	Novel Non-Carbon Sulfur Hosts Based on Strong Chemisorption for Lithium-Sulfur Batteries. *Small*, **2018**, 14, e1801987	11	48
229	Introducing ion-transport-regulating nanochannels to lithium-sulfur batteries. *Nano Energy*, **2017**, 33, 205-212	17.1	47
228	Sulfur-Based Electrodes that Function via Multielectron Reactions for Room-Temperature Sodium-Ion Storage. *Angewandte Chemie - International Edition*, **2019**, 58, 18324-18337	16.4	46
227	Shape-controlled synthesis of hierarchically layered lithium transition-metal oxide cathode materials by shear exfoliation in continuous stirred-tank reactors. *Journal of Materials Chemistry A*, **2017**, 5, 25391-25400	13	46

226	Synthesis, characterization and electrochemical properties of aluminum-substituted alpha-Ni(OH)2 hollow spheres. *Journal of Alloys and Compounds*, **2008**, 456, 339-343	5.7	46
225	Three-dimensional-network Li3V2(PO4)3/C composite as high rate lithium ion battery cathode material and its compatibility with ionic liquid electrolytes. *Journal of Power Sources*, **2014**, 246, 124-131	8.9	45
224	Phosphorus-Modulation-Triggered Surface Disorder in Titanium Dioxide Nanocrystals Enables Exceptional Sodium-Storage Performance. *Angewandte Chemie - International Edition*, **2019**, 58, 4022-4026	16.4	44
223	Ball-milled FeP/graphite as a low-cost anode material for the sodium-ion battery. *RSC Advances*, **2015**, 5, 80536-80541	3.7	44
222	Sn/SnO 2 @C composite nanofibers as advanced anode for lithium-ion batteries. *Electrochimica Acta*, **2015**, 186, 271-276	6.7	44
221	Multiregion Janus-Featured Cobalt Phosphide-Cobalt Composite for Highly Reversible Room-Temperature Sodium-Sulfur Batteries. *ACS Nano*, **2020**, 14, 10284-10293	16.7	44
220	Chaotropic Anion and Fast-Kinetics Cathode Enabling Low-Temperature Aqueous Zn Batteries. *ACS Energy Letters*, **2021**, 6, 2704-2712	20.1	44
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