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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

396 papers	34,802 citations	99 h-index	172 g-index
411 ext. papers	39,658 ext. citations	11.3 avg, IF	7.52 L-index

#	Paper	IF	Citations
396	Graphene-based materials: synthesis, characterization, properties, and applications. <i>Small</i> , 2011 , 7, 1876-1902	11.1	1968
395	Preparation of novel 3D graphene networks for supercapacitor applications. <i>Small</i> , 2011 , 7, 3163-8	11	925
394	Nanostructured metal sulfides for energy storage. <i>Nanoscale</i> , 2014 , 6, 9889-924	7.7	746
393	In Situ Synthesis of Metal Nanoparticles on Single-Layer Graphene Oxide and Reduced Graphene Oxide Surfaces. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 10842-10846	3.8	650
392	Graphene and graphene-based materials for energy storage applications. <i>Small</i> , 2014 , 10, 3480-98	11	546
391	Nonaqueous Hybrid Lithium-Ion and Sodium-Ion Capacitors. <i>Advanced Materials</i> , 2017 , 29, 1702093	24	541
390	In-situ formation of hollow hybrids composed of cobalt sulfides embedded within porous carbon polyhedra/carbon nanotubes for high-performance lithium-ion batteries. <i>Advanced Materials</i> , 2015 , 27, 3038-44	24	534
389	Preparation of MoS ₂ -coated three-dimensional graphene networks for high-performance anode material in lithium-ion batteries. <i>Small</i> , 2013 , 9, 3433-8	11	511
388	One-step synthesis of Ni ₃ S ₂ nanorod@Ni(OH) ₂ nanosheet core-shell nanostructures on a three-dimensional graphene network for high-performance supercapacitors. <i>Energy and Environmental Science</i> , 2013 , 6, 2216-2221	35.4	503
387	Synthesis of porous NiO nanocrystals with controllable surface area and their application as supercapacitor electrodes. <i>Nano Research</i> , 2010 , 3, 643-652	10	472
386	Alloy-Based Anode Materials toward Advanced Sodium-Ion Batteries. <i>Advanced Materials</i> , 2017 , 29, 1700622	24	461
385	An effective method for the fabrication of few-layer-thick inorganic nanosheets. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 9052-6	16.4	453
384	Zeolitic imidazolate framework 67-derived high symmetric porous Co ₃ O ₄ hollow dodecahedra with highly enhanced lithium storage capability. <i>Small</i> , 2014 , 10, 1932-8	11	403
383	Hierarchical hollow spheres composed of ultrathin Fe ₂ O ₃ nanosheets for lithium storage and photocatalytic water oxidation. <i>Energy and Environmental Science</i> , 2013 , 6, 987	35.4	384
382	Achieving high specific charge capacitances in Fe ₃ O ₄ /reduced graphene oxide nanocomposites. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3422		378
381	An Advanced Sodium-Ion Battery Composed of Carbon Coated NaV ₂ (PO ₄) ₃ in a Porous Graphene Network. <i>Advanced Materials</i> , 2015 , 27, 6670-6	24	363
380	MS ₂ (M = Co and Ni) Hollow Spheres with Tunable Interiors for High-Performance Supercapacitors and Photovoltaics. <i>Advanced Functional Materials</i> , 2014 , 24, 2155-2162	15.6	362

379	In situ growth of NiCo(2)S(4) nanosheets on graphene for high-performance supercapacitors. <i>Chemical Communications</i> , 2013 , 49, 10178-80	5.8	347
378	A general method for the large-scale synthesis of uniform ultrathin metal sulphide nanocrystals. <i>Nature Communications</i> , 2012 , 3, 1177	17.4	334
377	Facile synthesis of metal oxide/reduced graphene oxide hybrids with high lithium storage capacity and stable cyclability. <i>Nanoscale</i> , 2011 , 3, 1084-9	7.7	330
376	Reduced graphene oxide-wrapped MoO ₃ composites prepared by using metal-organic frameworks as precursor for all-solid-state flexible supercapacitors. <i>Advanced Materials</i> , 2015 , 27, 4695-701	24	326
375	Graphene-Based Materials for Solar Cell Applications. <i>Advanced Energy Materials</i> , 2014 , 4, 1300574	21.8	325
374	Building 3D structures of vanadium pentoxide nanosheets and application as electrodes in supercapacitors. <i>Nano Letters</i> , 2013 , 13, 5408-13	11.5	311
373	High-power and high-energy-density flexible pseudocapacitor electrodes made from porous CuO nanobelts and single-walled carbon nanotubes. <i>ACS Nano</i> , 2011 , 5, 2013-9	16.7	304
372	A High-Energy Lithium-Ion Capacitor by Integration of a 3D Interconnected Titanium Carbide Nanoparticle Chain Anode with a Pyridine-Derived Porous Nitrogen-Doped Carbon Cathode. <i>Advanced Functional Materials</i> , 2016 , 26, 3082-3093	15.6	292
371	Ultrathin S-doped MoSe ₂ nanosheets for efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 5597-5601	13	278
370	Controlled soft-template synthesis of ultrathin C@FeS nanosheets with high-Li-storage performance. <i>ACS Nano</i> , 2012 , 6, 4713-21	16.7	269
369	High-Energy/Power and Low-Temperature Cathode for Sodium-Ion Batteries: In Situ XRD Study and Superior Full-Cell Performance. <i>Advanced Materials</i> , 2017 , 29, 1701968	24	266
368	Metal oxide-coated three-dimensional graphene prepared by the use of metal-organic frameworks as precursors. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 1404-9	16.4	255
367	Recent Advancements in All-Vanadium Redox Flow Batteries. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500309	4.6	253
366	Li ₃ V ₂ (PO ₄) ₃ cathode materials for lithium-ion batteries: A review. <i>Journal of Power Sources</i> , 2014 , 258, 19-38	8.9	241
365	A general strategy toward graphene@metal oxide core-shell nanostructures for high-performance lithium storage. <i>Energy and Environmental Science</i> , 2011 , 4, 4954	35.4	241
364	Fe-Doped Ni C Nanodots in N-Doped Carbon Nanosheets for Efficient Hydrogen-Evolution and Oxygen-Evolution Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12566-12570	16.4	240
363	Hexagonal-Phase Cobalt Monophosphosulfide for Highly Efficient Overall Water Splitting. <i>ACS Nano</i> , 2017 , 11, 11031-11040	16.7	239
362	Nanostructured Metal Chalcogenides for Energy Storage and Electrocatalysis. <i>Advanced Functional Materials</i> , 2017 , 27, 1702317	15.6	234

- 361 Two-Dimensional Tin Disulfide Nanosheets for Enhanced Sodium Storage. *ACS Nano*, **2015**, 9, 11371-81 16.7 231
- 360 One-Pot Synthesis of Tunable Crystalline Ni₃S₄@Amorphous MoS₂ Core/Shell Nanospheres for High-Performance Supercapacitors. *Small*, **2015**, 11, 3694-702 11 218
- 359 Ultrathin V₂O₅ nanosheet cathodes: realizing ultrafast reversible lithium storage. *Nanoscale*, **2013**, 5, 556-60 7.7 207
- 358 Ultrathin Porous NiFeV Ternary Layer Hydroxide Nanosheets as a Highly Efficient Bifunctional Electrocatalyst for Overall Water Splitting. *Small*, **2018**, 14, 1703257 11 206
- 357 Nanostructured Conjugated Ladder Polymers for Stable and Fast Lithium Storage Anodes with High-Capacity. *Advanced Energy Materials*, **2015**, 5, 1402189 21.8 203
- 356 Olivine-type nanosheets for lithium ion battery cathodes. *ACS Nano*, **2013**, 7, 5637-46 16.7 193
- 355 Pushing Up Lithium Storage through Nanostructured Polyazaacene Analogues as Anode. *Angewandte Chemie - International Edition*, **2015**, 54, 7354-8 16.4 181
- 354 Cobalt Oxide Nanowall Arrays on Reduced Graphene Oxide Sheets with Controlled Phase, Grain Size, and Porosity for Li-Ion Battery Electrodes. *Journal of Physical Chemistry C*, **2011**, 115, 8400-8406 3.8 181
- 353 Fabrication of flexible thermoelectric thin film devices by inkjet printing. *Small*, **2014**, 10, 3551-4 11 177
- 352 Nanostructured metallic transition metal carbides, nitrides, phosphides, and borides for energy storage and conversion. *Nano Today*, **2019**, 25, 99-121 17.9 173
- 351 Wet-Chemical Processing of Phosphorus Composite Nanosheets for High-Rate and High-Capacity Lithium-Ion Batteries. *Advanced Energy Materials*, **2016**, 6, 1502409 21.8 173
- 350 Real-time DNA detection using Pt nanoparticle-decorated reduced graphene oxide field-effect transistors. *Nanoscale*, **2012**, 4, 293-7 7.7 164
- 349 Enhanced thermopower of graphene films with oxygen plasma treatment. *ACS Nano*, **2011**, 5, 2749-55 16.7 162
- 348 A facile, relative green, and inexpensive synthetic approach toward large-scale production of SnS₂ nanoplates for high-performance lithium-ion batteries. *Nanoscale*, **2013**, 5, 1456-9 7.7 158
- 347 High thermal conductivity of suspended few-layer hexagonal boron nitride sheets. *Nano Research*, **2014**, 7, 1232-1240 10 157
- 346 MOF-directed templating synthesis of a porous multicomponent dodecahedron with hollow interiors for enhanced lithium-ion battery anodes. *Journal of Materials Chemistry A*, **2015**, 3, 8483-8488 13 155
- 345 Solvent-free aerobic oxidation of benzyl alcohol over Pd monometallic and AuPd bimetallic catalysts supported on SBA-16 mesoporous molecular sieves. *Applied Catalysis A: General*, **2010**, 380, 55-65 5.1 155
- 344 Synthesis of cobalt phosphides and their application as anodes for lithium ion batteries. *ACS Applied Materials & Interfaces*, **2013**, 5, 1093-9 9.5 154

343	Porous nitrogen-rich g-C ₃ N ₄ nanotubes for efficient photocatalytic CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2019 , 256, 117854	21.8	152
342	Synthesis of Ultrathin Silicon Nanosheets by Using Graphene Oxide as Template. <i>Chemistry of Materials</i> , 2011 , 23, 5293-5295	9.6	151
341	1D to 3D hierarchical iron selenide hollow nanocubes assembled from FeSe ₂ @C core-shell nanorods for advanced sodium ion batteries. <i>Energy Storage Materials</i> , 2018 , 10, 48-55	19.4	150
340	Cobalt Sulfide Nanosheet/Graphene/Carbon Nanotube Nanocomposites as Flexible Electrodes for Hydrogen Evolution. <i>Angewandte Chemie</i> , 2014 , 126, 12802-12807	3.6	149
339	Advanced Cathode Materials for Sodium-Ion Batteries: What Determines Our Choices?. <i>Small Methods</i> , 2017 , 1, 1700098	12.8	146
338	Few-layered Ni(OH) ₂ nanosheets for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2015 , 295, 323-328	8.9	146
337	Controllable Preparation of Square Nickel Chalcogenide (NiS and NiSe ₂) Nanoplates for Superior Li/Na Ion Storage Properties. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 25261-7	9.5	145
336	In Situ Binding Sb Nanospheres on Graphene via Oxygen Bonds as Superior Anode for Ultrafast Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 7790-9	9.5	145
335	Carbon Nanotube-Encapsulated Noble Metal Nanoparticle Hybrid as a Cathode Material for Li-Oxygen Batteries. <i>Advanced Functional Materials</i> , 2014 , 24, 6516-6523	15.6	143
334	Flexible carbon nanotube papers with improved thermoelectric properties. <i>Energy and Environmental Science</i> , 2012 , 5, 5364-5369	35.4	143
333	Reduced graphene oxide supported highly porous V ₂ O ₅ spheres as a high-power cathode material for lithium ion batteries. <i>Nanoscale</i> , 2011 , 3, 4752-8	7.7	143
332	Multifunctional Architectures Constructing of PANI Nanoneedle Arrays on MoS ₂ Thin Nanosheets for High-Energy Supercapacitors. <i>Small</i> , 2015 , 11, 4123-9	11	141
331	Cu doped V ₂ O ₅ flowers as cathode material for high-performance lithium ion batteries. <i>Nanoscale</i> , 2013 , 5, 4937-43	7.7	138
330	Sulfonated poly (ether ether ketone)-based proton exchange membranes for vanadium redox battery applications. <i>Journal of Membrane Science</i> , 2014 , 450, 313-322	9.6	137
329	Hydrophilic Nitrogen and Sulfur Co-doped Molybdenum Carbide Nanosheets for Electrochemical Hydrogen Evolution. <i>Small</i> , 2015 , 11, 6278-84	11	137
328	In situ formation of molecular Ni-Fe active sites on heteroatom-doped graphene as a heterogeneous electrocatalyst toward oxygen evolution. <i>Science Advances</i> , 2018 , 4, eaap7970	14.3	131
327	Self-Assemble and In Situ Formation of Ni _{1-x} Fe _x PS ₃ Nanomosaic-Decorated MXene Hybrids for Overall Water Splitting. <i>Advanced Energy Materials</i> , 2018 , 8, 1801127	21.8	131
326	Cobalt sulfide nanosheet/graphene/carbon nanotube nanocomposites as flexible electrodes for hydrogen evolution. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12594-9	16.4	131

325	Comparative metagenomics of microbial communities inhabiting deep-sea hydrothermal vent chimneys with contrasting chemistries. <i>ISME Journal</i> , 2011 , 5, 414-26	11.9	131
324	An Air-Stable Densely Packed Phosphorene-Graphene Composite Toward Advanced Lithium Storage Properties. <i>Advanced Energy Materials</i> , 2016 , 6, 1600453	21.8	131
323	Oxidation-etching preparation of MnO ₂ tubular nanostructures for high-performance supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 2769-74	9.5	129
322	Co S /MoS Yolk-Shell Spheres for Advanced Li/Na Storage. <i>Small</i> , 2017 , 13, 1603490	11	127
321	High-performance flexible quasi-solid-state zinc-ion batteries with layer-expanded vanadium oxide cathode and zinc/stainless steel mesh composite anode. <i>Nano Energy</i> , 2019 , 62, 94-102	17.1	127
320	Vanadium pentoxide cathode materials for high-performance lithium-ion batteries enabled by a hierarchical nanoflower structure via an electrochemical process. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 82-88	13	126
319	Two-dimensional NiCo ₂ O ₄ nanosheet-coated three-dimensional graphene networks for high-rate, long-cycle-life supercapacitors. <i>Nanoscale</i> , 2015 , 7, 7035-9	7.7	126
318	Controlled synthesis of carbon-coated cobalt sulfide nanostructures in oil phase with enhanced li storage performances. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 2999-3006	9.5	125
317	Constructing the optimal conductive network in MnO-based nanohybrids as high-rate and long-life anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 19738-19746	13	121
316	Predicting the state of charge and health of batteries using data-driven machine learning. <i>Nature Machine Intelligence</i> , 2020 , 2, 161-170	22.5	121
315	p-type Bi _{0.4} Sb _{1.6} Te ₃ nanocomposites with enhanced figure of merit. <i>Applied Physics Letters</i> , 2010 , 96, 182104	3.4	121
314	Realizing a SnO ₂ -based ultraviolet light-emitting diode via breaking the dipole-forbidden rule. <i>NPG Asia Materials</i> , 2012 , 4, e30-e30	10.3	119
313	The formation of a carbon nanotube-graphene oxide core-shell structure and its possible applications. <i>Carbon</i> , 2011 , 49, 5071-5078	10.4	118
312	Reducing the symmetry of bimetallic Au@Ag nanoparticles by exploiting eccentric polymer shells. <i>Journal of the American Chemical Society</i> , 2010 , 132, 9537-9	16.4	117
311	Template-free synthesis of urchin-like Co ₃ O ₄ hollow spheres with good lithium storage properties. <i>Journal of Power Sources</i> , 2013 , 222, 97-102	8.9	116
310	Multifunctional 0D/2D Ni ₂ P Nanocrystals/Black Phosphorus Heterostructure. <i>Advanced Energy Materials</i> , 2017 , 7, 1601285	21.8	114
309	2D Black Phosphorus for Energy Storage and Thermoelectric Applications. <i>Small</i> , 2017 , 13, 1700661	11	113
308	Controllable Codoping of Nitrogen and Sulfur in Graphene for Highly Efficient Li-Oxygen Batteries and Direct Methanol Fuel Cells. <i>Chemistry of Materials</i> , 2016 , 28, 1737-1745	9.6	113

307	Synthesis, characterizations, and utilization of oxygen-deficient metal oxides for lithium/sodium-ion batteries and supercapacitors. <i>Coordination Chemistry Reviews</i> , 2019 , 397, 138-167	23.2	113
306	Synthesis of two-dimensional transition-metal phosphates with highly ordered mesoporous structures for lithium-ion battery applications. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 9352-53	16.4	113
305	Investigation on electrochemical behaviors of NiCo ₂ O ₄ battery-type supercapacitor electrodes: the role of an aqueous electrolyte. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 1642-1648	6.8	112
304	Crystal structure and phototransistor behavior of N-substituted heptacene. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 1883-6	9.5	109
303	Engineering "hot" nanoparticles for surface-enhanced Raman scattering by embedding reporter molecules in metal layers. <i>Small</i> , 2012 , 8, 246-51	11	109
302	General Approach for MOF-Derived Porous Spinel AFe ₂ O ₄ Hollow Structures and Their Superior Lithium Storage Properties. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 26751-7	9.5	108
301	Li ₃ V ₂ (PO ₄) ₃ nanocrystals embedded in a nanoporous carbon matrix supported on reduced graphene oxide sheets: Binder-free and high rate cathode material for lithium-ion batteries. <i>Journal of Power Sources</i> , 2012 , 214, 171-177	8.9	106
300	Ultrathin nickel oxide nanosheets for enhanced sodium and lithium storage. <i>Journal of Power Sources</i> , 2015 , 274, 755-761	8.9	104
299	Interfacing Epitaxial Dinickel Phosphide to 2D Nickel Thiophosphate Nanosheets for Boosting Electrocatalytic Water Splitting. <i>ACS Nano</i> , 2019 , 13, 7975-7984	16.7	104
298	Three-dimensional graphene network composites for detection of hydrogen peroxide. <i>Small</i> , 2013 , 9, 1703-7	11	99
297	Surface Modified MXene-Based Nanocomposites for Electrochemical Energy Conversion and Storage. <i>Small</i> , 2019 , 15, e1901503	11	98
296	Biochemistry-Enabled 3D Foams for Ultrafast Battery Cathodes. <i>ACS Nano</i> , 2015 , 9, 4628-35	16.7	98
295	Tuning ZnSe/CoSe in MOF-derived N-doped porous carbon/CNTs for high-performance lithium storage. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 15710-15717	13	98
294	Binder-free graphene foams for O ₂ electrodes of Li-O ₂ batteries. <i>Nanoscale</i> , 2013 , 5, 9651-8	7.7	97
293	Germanium nanowires-based carbon composite as anodes for lithium-ion batteries. <i>Journal of Power Sources</i> , 2012 , 206, 253-258	8.9	95
292	Controlled Growth of CuS on Electrospun Carbon Nanofibers as an Efficient Counter Electrode for Quantum Dot-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 16526-16535	3.8	94
291	Architecting a Stable High-Energy Aqueous Al-Ion Battery. <i>Journal of the American Chemical Society</i> , 2020 , 142, 15295-15304	16.4	94
290	Monodispersed Ag nanoparticles loaded on the PVP-assisted synthetic Bi ₂ O ₂ CO ₃ microspheres with enhanced photocatalytic and supercapacitive performances. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 7630	13	93

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- 288 A Simple Chemical Approach for PbTe Nanowires with Enhanced Thermoelectric Properties. *Chemistry of Materials*, **2008**, 20, 6298-6300 9.6 91
- 287 Achieving highly efficient electrocatalytic oxygen evolution with ultrathin 2D Fe-doped nickel thiophosphate nanosheets. *Nano Energy*, **2018**, 47, 257-265 17.1 88
- 286 Graphene and cobalt phosphide nanowire composite as an anode material for high performance lithium-ion batteries. *Nano Research*, **2016**, 9, 612-621 10 88
- 285 Bioinspired Synthesis of Hierarchically Porous MoO₂/Mo₂C Nanocrystal Decorated N-Doped Carbon Foam for Lithium-Oxygen Batteries. *Chemistry of Materials*, **2016**, 28, 5743-5752 9.6 86
- 284 Hollow nanospheres constructed by CoS₂ nanosheets with a nitrogen-doped-carbon coating for energy-storage and photocatalysis. *ChemSusChem*, **2014**, 7, 2212-20 8.3 84
- 283 Metal Oxide-Coated Three-Dimensional Graphene Prepared by the Use of Metal-Organic Frameworks as Precursors. *Angewandte Chemie*, **2014**, 126, 1428-1433 3.6 83
- 282 Vanadium-based nanostructure materials for secondary lithium battery applications. *Nanoscale*, **2015**, 7, 14595-607 7.7 82
- 281 3D Hierarchical Porous Mo₂C for Efficient Hydrogen Evolution. *Small*, **2016**, 12, 2859-65 11 82
- 280 Ambient dissolution-recrystallization towards large-scale preparation of V₂O₅ nanobelts for high-energy battery applications. *Nano Energy*, **2016**, 22, 583-593 17.1 82
- 279 Synthesis of Cu_xS/Cu Nanotubes and Their Lithium Storage Properties. *Journal of Physical Chemistry C*, **2012**, 116, 12468-12474 3.8 82
- 278 Electrical and thermal conductivities of MWCNT/polymer composites fabricated by selective laser sintering. *Composites Part A: Applied Science and Manufacturing*, **2018**, 105, 203-213 8.4 81
- 277 Amorphous Fe-Ni-P-B-O Nanocages as Efficient Electrocatalysts for Oxygen Evolution Reaction. *ACS Nano*, **2019**, 13, 12969-12979 16.7 80
- 276 Direct growth of FeVO₄ nanosheet arrays on stainless steel foil as high-performance binder-free Li ion battery anode. *RSC Advances*, **2012**, 2, 3630 3.7 80
- 275 Liquid-phase epitaxial growth of two-dimensional semiconductor hetero-nanostructures. *Angewandte Chemie - International Edition*, **2015**, 54, 1841-5 16.4 79
- 274 2D Transition Metal Oxides/Hydroxides for Energy-Storage Applications. *ChemNanoMat*, **2016**, 2, 562-573 7.5 79
- 273 Bio-mass derived mesoporous carbon as superior electrode in all vanadium redox flow battery with multicouple reactions. *Journal of Power Sources*, **2015**, 274, 846-850 8.9 78
- 272 High-performance supercapacitor electrodes based on graphene achieved by thermal treatment with the aid of nitric acid. *ACS Applied Materials & Interfaces*, **2013**, 5, 9656-62 9.5 78

271	Scalable synthesis of SnS/S-doped graphene composites for superior Li/Na-ion batteries. <i>Nanoscale</i> , 2017 , 9, 14820-14825	7.7	78
270	Directly anchoring 2D NiCo metal-organic frameworks on few-layer black phosphorus for advanced lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 783-790	13	77
269	Sb ₂ Te ₃ Nanoparticles with Enhanced Seebeck Coefficient and Low Thermal Conductivity. <i>Chemistry of Materials</i> , 2010 , 22, 3086-3092	9.6	77
268	Synergetic approach to achieve enhanced lithium ion storage performance in ternary phased SnO ₂ /Fe ₂ O ₃ /rGO composite nanostructures. <i>Journal of Materials Chemistry</i> , 2011 , 21, 12770		76
267	n-Type SnSe ₂ Oriented-Nanoplate-Based Pellets for High Thermoelectric Performance. <i>Advanced Energy Materials</i> , 2018 , 8, 1702167	21.8	76
266	Soft phonon modes from off-center Ge atoms lead to ultralow thermal conductivity and superior thermoelectric performance in n-type PbSe _{0.9} Te _{0.1} . <i>Energy and Environmental Science</i> , 2018 , 11, 3220-3230	35.4	75
265	Functionalized few-layer black phosphorus with super-wettability towards enhanced reaction kinetics for rechargeable batteries. <i>Nano Energy</i> , 2017 , 40, 576-586	17.1	75
264	Facile preparation of hydrated vanadium pentoxide nanobelts based bulky paper as flexible binder-free cathodes for high-performance lithium ion batteries. <i>RSC Advances</i> , 2011 , 1, 117	3.7	75
263	Size- and shape-controlled synthesis of ZnIn ₂ S ₄ nanocrystals with high photocatalytic performance. <i>CrystEngComm</i> , 2013 , 15, 1922	3.3	74
262	Design of Nanostructured Hybrid Materials Based on Carbon and Metal Oxides for Li Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 26685-26693	3.8	73
261	One-pot synthesis of carbon-coated VO ₂ (B) nanobelts for high-rate lithium storage. <i>RSC Advances</i> , 2012 , 2, 1174-1180	3.7	73
260	Amorphous/Crystalline Heterostructured Cobalt-Vanadium-Iron (Oxy)hydroxides for Highly Efficient Oxygen Evolution Reaction. <i>Advanced Energy Materials</i> , 2020 , 10, 2002215	21.8	73
259	O ₂ plasma and cation tuned nickel phosphide nanosheets for highly efficient overall water splitting. <i>Nano Energy</i> , 2018 , 54, 82-90	17.1	73
258	Hierarchically porous three-dimensional electrodes of CoMoO ₄ and ZnCoO ₄ and their high anode performance for lithium ion batteries. <i>Nanoscale</i> , 2014 , 6, 10556-61	7.7	72
257	A simple process to prepare nitrogen-modified few-layer graphene for a supercapacitor electrode. <i>Carbon</i> , 2013 , 57, 184-190	10.4	72
256	Graphene oxide as a carbon source for controlled growth of carbon nanowires. <i>Small</i> , 2011 , 7, 1199-202	11	72
255	Sn Nanoparticles Encapsulated in 3D Nanoporous Carbon Derived from a Metal-Organic Framework for Anode Material in Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 17172-17177	19.5	70
254	Synergistic Effect of Mesoporous Co ₃ O ₄ Nanowires Confined by N-Doped Graphene Aerogel for Enhanced Lithium Storage. <i>Small</i> , 2016 , 12, 3849-60	11	70

- 253 High Thermoelectric Performance in Supersaturated Solid Solutions and Nanostructured n-Type PbTe_{1-x}Ge_xTe. *Advanced Functional Materials*, **2018**, 28, 1801617 15.6 69
- 252 NbS Nanosheets with M/Se (M = Fe, Co, Ni) Codopants for Li and Na Storage. *ACS Nano*, **2017**, 11, 10599-10607 68
- 251 Co₃O₄/nitrogen modified graphene electrode as Li-ion battery anode with high reversible capacity and improved initial cycle performance. *Nano Energy*, **2014**, 3, 134-143 17.1 67
- 250 One-step electrochemical preparation of graphene-based heterostructures for Li storage. *Journal of Materials Chemistry*, **2012**, 22, 8455 67
- 249 Thermoelectric Bi₂Te₃-improved charge collection for high-performance dye-sensitized solar cells. *Energy and Environmental Science*, **2012**, 5, 6294-6298 35.4 67
- 248 High-performance hybrid electrochemical capacitor with binder-free Nb₂O₅@graphene. *RSC Advances*, **2014**, 4, 37389 3.7 66
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- 246 Surfactant-directed synthesis of branched bismuth telluride/sulfide core/shell nanorods. *Advanced Materials*, **2008**, 20, 2679-83 24 64
- 245 High Thermoelectric Performance in Polycrystalline SnSe Via Dual-Doping with Ag/Na and Nanostructuring With Ag₈SnSe₆. *Advanced Energy Materials*, **2019**, 9, 1803072 21.8 64
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