Quan-Hong Yang

List of Publications by Citations

292 papers	25,132 citations	85 h-index	151 g-index
326 ext. papers	30,126 ext. citations	13.5 avg, IF	7.39 L-index

#	Paper	IF	Citations
292	Self-Assembled Free-Standing Graphite Oxide Membrane. *Advanced Materials*, **2009**, 21, 3007-3011	24	788
291	Holey Graphitic Carbon Nitride Nanosheets with Carbon Vacancies for Highly Improved Photocatalytic Hydrogen Production. *Advanced Functional Materials*, **2015**, 25, 6885-6892	15.6	659
290	Twinborn TiO2−TiN heterostructures enabling smooth trapping−diffusion−conversion of polysulfides towards ultralong life lithium−sulfur batteries. *Energy and Environmental Science*, **2017**, 10, 1694-1703	35.4	647
289	Low-temperature exfoliated graphenes: vacuum-promoted exfoliation and electrochemical energy storage. *ACS Nano*, **2009**, 3, 3730-6	16.7	633
288	On the origin of the stability of graphene oxide membranes in water. *Nature Chemistry*, **2014**, 7, 166-70	17.6	621
287	Chemical Dealloying Derived 3D Porous Current Collector for Li Metal Anodes. *Advanced Materials*, **2016**, 28, 6932-9	24	586
286	Catalytic Effects in Lithium-Sulfur Batteries: Promoted Sulfur Transformation and Reduced Shuttle Effect. *Advanced Science*, **2018**, 5, 1700270	13.6	471
285	Towards ultrahigh volumetric capacitance: graphene derived highly dense but porous carbons for supercapacitors. *Scientific Reports*, **2013**, 3, 2975	4.9	467
284	Dendrite-Free, High-Rate, Long-Life Lithium Metal Batteries with a 3D Cross-Linked Network Polymer Electrolyte. *Advanced Materials*, **2017**, 29, 1604460	24	461
283	Macroscopic 3D Porous Graphitic Carbon Nitride Monolith for Enhanced Photocatalytic Hydrogen Evolution. *Advanced Materials*, **2015**, 27, 4634-9	24	457
282	Flexible electrodes and supercapacitors for wearable energy storage: a review by category. *Journal of Materials Chemistry A*, **2016**, 4, 4659-4685	13	412
281	A honeycomb-like porous carbon derived from pomelo peel for use in high-performance supercapacitors. *Nanoscale*, **2014**, 6, 13831-7	7.7	360
280	Extremely safe, high-rate and ultralong-life zinc-ion hybrid supercapacitors. *Energy Storage Materials*, **2018**, 13, 96-102	19.4	326
279	Graphene-based materials for electrochemical energy storage devices: Opportunities and challenges. *Energy Storage Materials*, **2016**, 2, 107-138	19.4	314
278	Towards superior volumetric performance: design and preparation of novel carbon materials for energy storage. *Energy and Environmental Science*, **2015**, 8, 1390-1403	35.4	304
277	Achieving superb sodium storage performance on carbon anodes through an ether-derived solid electrolyte interphase. *Energy and Environmental Science*, **2017**, 10, 370-376	35.4	297
276	Capture and Catalytic Conversion of Polysulfides by In Situ Built TiO2-MXene Heterostructures for Lithium−Sulfur Batteries. *Advanced Energy Materials*, **2019**, 9, 1900219	21.8	291

275	Facile synthesis of Li4Ti5O12/C composite with super rate performance. *Energy and Environmental Science*, **2012**, 5, 9595	35.4	285
274	Ultra-thick graphene bulk supercapacitor electrodes for compact energy storage. *Energy and Environmental Science*, **2016**, 9, 3135-3142	35.4	284
273	Vertically Aligned Carbon Nanotubes Grown on Graphene Paper as Electrodes in Lithium-Ion Batteries and Dye-Sensitized Solar Cells. *Advanced Energy Materials*, **2011**, 1, 486-490	21.8	279
272	Propelling polysulfides transformation for high-rate and long-life lithium–sulfur batteries. *Nano Energy*, **2017**, 33, 306-312	17.1	277
271	Self-assembly of graphene oxide at interfaces. *Advanced Materials*, **2014**, 26, 5586-612	24	273
270	SiO2 Hollow Nanosphere-Based Composite Solid Electrolyte for Lithium Metal Batteries to Suppress Lithium Dendrite Growth and Enhance Cycle Life. *Advanced Energy Materials*, **2016**, 6, 1502214	21.8	271
269	Two-Dimensional Porous Carbon: Synthesis and Ion-Transport Properties. *Advanced Materials*, **2015**, 27, 5388-95	24	263
268	Fabrication of an MOF-derived heteroatom-doped Co/CoO/carbon hybrid with superior sodium storage performance for sodium-ion batteries. *Journal of Materials Chemistry A*, **2017**, 5, 15356-15366	13	255
267	Review of Recent Development of In Situ/Operando Characterization Techniques for Lithium Battery Research. *Advanced Materials*, **2019**, 31, e1806620	24	251
266	Flexible and planar graphene conductive additives for lithium-ion batteries. *Journal of Materials Chemistry*, **2010**, 20, 9644		250
265	Low Resistance Integrated All-Solid-State Battery Achieved by Li7La3Zr2O12 Nanowire Upgrading Polyethylene Oxide (PEO) Composite Electrolyte and PEO Cathode Binder. *Advanced Functional Materials*, **2019**, 29, 1805301	15.6	240
264	Hierarchically aminated graphene honeycombs for electrochemical capacitive energy storage. *Journal of Materials Chemistry*, **2012**, 22, 14076		239
263	Gassing in Li(4)Ti(5)O(12)-based batteries and its remedy. *Scientific Reports*, **2012**, 2, 913	4.9	238
262	Compact 3D Copper with Uniform Porous Structure Derived by Electrochemical Dealloying as Dendrite-Free Lithium Metal Anode Current Collector. *Advanced Energy Materials*, **2018**, 8, 1800266	21.8	226
261	In Situ Synthesis of a Hierarchical All-Solid-State Electrolyte Based on Nitrile Materials for High-Performance Lithium-Ion Batteries. *Advanced Energy Materials*, **2015**, 5, 1500353	21.8	215
260	3D Macroscopic Architectures from Self-Assembled MXene Hydrogels. *Advanced Functional Materials*, **2019**, 29, 1903960	15.6	207
259	Opening Two-Dimensional Materials for Energy Conversion and Storage: A Concept. *Advanced Energy Materials*, **2017**, 7, 1602684	21.8	206
258	A possible buckybowl-like structure of zeolite templated carbon. *Carbon*, **2009**, 47, 1220-1230	10.4	203

257	Vertically Aligned Lithiophilic CuO Nanosheets on a Cu Collector to Stabilize Lithium Deposition for Lithium Metal Batteries. *Advanced Energy Materials*, **2018**, 8, 1703404	21.8	198
256	Rational design of MoS2@graphene nanocables: towards high performance electrode materials for lithium ion batteries. *Energy and Environmental Science*, **2014**, 7, 3320-3325	35.4	196
255	Fast Gelation of Ti C T MXene Initiated by Metal Ions. *Advanced Materials*, **2019**, 31, e1902432	24	193
254	Caging tin oxide in three-dimensional graphene networks for superior volumetric lithium storage. *Nature Communications*, **2018**, 9, 402	17.4	186
253	A sheet-like porous carbon for high-rate supercapacitors produced by the carbonization of an eggplant. *Carbon*, **2015**, 92, 11-14	10.4	182
252	A Metal-Free Supercapacitor Electrode Material with a Record High Volumetric Capacitance over 800 F cm(-3). *Advanced Materials*, **2015**, 27, 8082-7	24	182
251	Progress and Perspective of Ceramic/Polymer Composite Solid Electrolytes for Lithium Batteries. *Advanced Science*, **2020**, 7, 1903088	13.6	179
250	Porous Al Current Collector for Dendrite-Free Na Metal Anodes. *Nano Letters*, **2017**, 17, 5862-5868	11.5	179
249	Breathable and Wearable Energy Storage Based on Highly Flexible Paper Electrodes. *Advanced Materials*, **2016**, 28, 9313-9319	24	178
248	Simultaneous Production of High-Performance Flexible Textile Electrodes and Fiber Electrodes for Wearable Energy Storage. *Advanced Materials*, **2016**, 28, 1675-81	24	169
247	Dense coating of Li4Ti5O12 and graphene mixture on the separator to produce long cycle life of lithium-sulfur battery. *Nano Energy*, **2016**, 30, 1-8	17.1	164
246	Oriented and Interlinked Porous Carbon Nanosheets with an Extraordinary Capacitive Performance. *Chemistry of Materials*, **2014**, 26, 6896-6903	9.6	161
245	Could graphene construct an effective conducting network in a high-power lithium ion battery?. *Nano Energy*, **2012**, 1, 429-439	17.1	160
244	Evolution of the electrochemical interface in sodium ion batteries with ether electrolytes. *Nature Communications*, **2019**, 10, 725	17.4	156
243	Encapsulating V2O5 into carbon nanotubes enables the synthesis of flexible high-performance lithium ion batteries. *Energy and Environmental Science*, **2016**, 9, 906-911	35.4	145
242	A Corrosion-Resistant and Dendrite-Free Zinc Metal Anode in Aqueous Systems. *Small*, **2020**, 16, e2001736	13.3	144
241	Processable and Moldable Sodium-Metal Anodes. *Angewandte Chemie - International Edition*, **2017**, 56, 11921-11926	16.4	141
240	Progress and Perspective of Solid-State Lithium–Sulfur Batteries. *Advanced Functional Materials*, **2018**, 28, 1707570	15.6	138

239	Bidirectional Catalysts for Liquid-Solid Redox Conversion in Lithium-Sulfur Batteries. *Advanced Materials*, **2020**, 32, e2000315	24	137
238	Co-electro-deposition of the MnO2–PEDOT:PSS nanostructured composite for high areal mass, flexible asymmetric supercapacitor devices. *Journal of Materials Chemistry A*, **2013**, 1, 12432	13	133
237	Reduction of Graphene Oxide by Hydrogen Sulfide: A Promising Strategy for Pollutant Control and as an Electrode for Li-S Batteries. *Advanced Energy Materials*, **2014**, 4, 1301565	21.8	131
236	Self-Assembled 3D Graphene Monolith from Solution. *Journal of Physical Chemistry Letters*, **2015**, 6, 658-68	6.4	131
235	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
234	A review of gassing behavior in Li4Ti5O12-based lithium ion batteries. *Journal of Materials Chemistry A*, **2017**, 5, 6368-6381	13	125
233	A high performance Li-ion capacitor constructed with Li4Ti5O12/C hybrid and porous graphene macroform. *Journal of Power Sources*, **2015**, 282, 174-178	8.9	125
232	Commercial carbon molecular sieves as a high performance anode for sodium-ion batteries. *Energy Storage Materials*, **2016**, 3, 18-23	19.4	124
231	Porous MnO2 for use in a high performance supercapacitor: replication of a 3D graphene network as a reactive template. *Chemical Communications*, **2013**, 49, 11092-4	5.8	124
230	The Assembly of MXenes from 2D to 3D. *Advanced Science*, **2020**, 7, 1903077	13.6	119
229	Carbon coating to suppress the reduction decomposition of electrolyte on the Li4Ti5O12 electrode. *Journal of Power Sources*, **2012**, 202, 253-261	8.9	119
228	Functional Carbons Remedy the Shuttling of Polysulfides in Lithium–Sulfur Batteries: Confining, Trapping, Blocking, and Breaking up. *Advanced Functional Materials*, **2018**, 28, 1800508	15.6	117
227	One-pot self-assembly of graphene/carbon nanotube/sulfur hybrid with three dimensionally interconnected structure for lithium–sulfur batteries. *Journal of Power Sources*, **2015**, 295, 182-189	8.9	115
226	A sandwich structure of graphene and nickel oxide with excellent supercapacitive performance. *Journal of Materials Chemistry*, **2011**, 21, 9014		115
225	Biomass Organs Control the Porosity of Their Pyrolyzed Carbon. *Advanced Functional Materials*, **2017**, 27, 1604687	15.6	113
224	Combining Fast Li-Ion Battery Cycling with Large Volumetric Energy Density: Grain Boundary Induced High Electronic and Ionic Conductivity in Li4Ti5O12 Spheres of Densely Packed Nanocrystallites. *Chemistry of Materials*, **2015**, 27, 5647-5656	9.6	111
223	Shape-Tailorable Graphene-Based Ultra-High-Rate Supercapacitor for Wearable Electronics. *ACS Nano*, **2015**, 9, 5636-45	16.7	111
222	N and S co-doped porous carbon spheres prepared using L-cysteine as a dual functional agent for high-performance lithium-sulfur batteries. *Chemical Communications*, **2015**, 51, 17720-3	5.8	109

221	Optimized Catalytic WS2/WO3 Heterostructure Design for Accelerated Polysulfide Conversion in Lithium–Sulfur Batteries. *Advanced Energy Materials*, **2020**, 10, 2000091	21.8	109
220	Towards low temperature thermal exfoliation of graphite oxide for graphene production. *Carbon*, **2013**, 62, 11-24	10.4	108
219	The effect of graphene wrapping on the performance of LiFePO4 for a lithium ion battery. *Carbon*, **2013**, 57, 530-533	10.4	108
218	Graphitic Carbon Nitride Induced Micro-Electric Field for Dendrite-Free Lithium Metal Anodes. *Advanced Energy Materials*, **2019**, 9, 1803186	21.8	106
217	Graphene-DNA hybrids: self-assembly and electrochemical detection performance. *Journal of Materials Chemistry*, **2010**, 20, 6668		105
216	Multi hierarchical construction-induced superior capacitive performances of flexible electrodes for wearable energy storage. *Nano Energy*, **2017**, 34, 242-248	17.1	101
215	Hierarchical MoS2/Carbon microspheres as long-life and high-rate anodes for sodium-ion batteries. *Journal of Materials Chemistry A*, **2018**, 6, 5668-5677	13	100
214	Sulfur confined in nitrogen-doped microporous carbon used in a carbonate-based electrolyte for long-life, safe lithium-sulfur batteries. *Carbon*, **2016**, 109, 1-6	10.4	98
213	A bio-derived sheet-like porous carbon with thin-layer pore walls for ultrahigh-power supercapacitors. *Nano Energy*, **2020**, 70, 104531	17.1	91
212	DNA-dispersed graphene/NiO hybrid materials for highly sensitive non-enzymatic glucose sensor. *Electrochimica Acta*, **2012**, 73, 129-135	6.7	89
211	A three-dimensional multilayer graphene web for polymer nanocomposites with exceptional transport properties and fracture resistance. *Materials Horizons*, **2018**, 5, 275-284	14.4	87
210	Cellulose Nanofiber as a Distinct Structure-Directing Agent for Xylem-like Microhoneycomb Monoliths by Unidirectional Freeze-Drying. *ACS Nano*, **2016**, 10, 10689-10697	16.7	86
209	Disassembly-Reassembly Approach to RuO /Graphene Composites for Ultrahigh Volumetric Capacitance Supercapacitor. *Small*, **2017**, 13, 1701026	11	85
208	The template synthesis of double coaxial carbon nanotubes with nitrogen-doped and boron-doped multiwalls. *Journal of the American Chemical Society*, **2005**, 127, 8956-7	16.4	85
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204	Enhanced Sulfur Redox and Polysulfide Regulation via Porous VN-Modified Separator for Li-S Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 5687-5694	9.5	80

203	Dense Graphene Monolith for High Volumetric Energy Density Li–S Batteries. *Advanced Energy Materials*, **2018**, 8, 1703438	21.8	78
202	Reviving catalytic activity of nitrides by the doping of the inert surface layer to promote polysulfide conversion in lithium-sulfur batteries. *Nano Energy*, **2019**, 60, 305-311	17.1	77
201	Catalyzing polysulfide conversion by g-C3N4 in a graphene network for long-life lithium-sulfur batteries. *Nano Research*, **2018**, 11, 3480-3489	10	77
200	A carbon sandwich electrode with graphene filling coated by N-doped porous carbon layers for lithium–sulfur batteries. *Journal of Materials Chemistry A*, **2015**, 3, 20218-20224	13	76
199	Compressed porous graphene particles for use as supercapacitor electrodes with excellent volumetric performance. *Nanoscale*, **2015**, 7, 18459-63	7.7	74
198	Monolithic carbons with spheroidal and hierarchical pores produced by the linkage of functionalized graphene sheets. *Carbon*, **2014**, 69, 169-177	10.4	74
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195	Ultrafast high-volumetric sodium storage of folded-graphene electrodes through surface-induced redox reactions. *Energy Storage Materials*, **2015**, 1, 112-118	19.4	69
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193	A graphene-based nanostructure with expanded ion transport channels for high rate Li-ion batteries. *Chemical Communications*, **2012**, 48, 5904-6	5.8	67
192	High-performance ultrafiltration membranes based on polyethersulfone/graphene oxide composites. *RSC Advances*, **2013**, 3, 21394	3.7	65
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188	Li-ion and Na-ion transportation and storage properties in various sized TiO2 spheres with hierarchical pores and high tap density. *Journal of Materials Chemistry A*, **2017**, 5, 4359-4367	13	64
187	How a very trace amount of graphene additive works for constructing an efficient conductive network in LiCoO2-based lithium-ion batteries. *Carbon*, **2016**, 103, 356-362	10.4	64
186	Two-dimensional materials for lithium/sodium-ion capacitors. *Materials Today Energy*, **2019**, 11, 30-45	7	63

185	One-pot self-assembly of three-dimensional graphene macroassemblies with porous core and layered shell. *Journal of Materials Chemistry*, **2011**, 21, 12352		62
184	Tailoring Microstructure of Graphene-Based Membrane by Controlled Removal of Trapped Water Inspired by the Phase Diagram. *Advanced Functional Materials*, **2014**, 24, 3456-3463	15.6	61
183	A sliced orange-shaped ZnCo 2 O 4 material as anode for high-performance lithium ion battery. *Energy Storage Materials*, **2017**, 6, 61-69	19.4	60
182	Hybridization of graphene oxide and carbon nanotubes at the liquid/air interface. *Chemical Communications*, **2012**, 48, 3706-8	5.8	60
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180	Evolution of the effect of sulfur confinement in graphene-based porous carbons for use in Li-S batteries. *Nanoscale*, **2016**, 8, 4447-51	7.7	59
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178	A dual-functional gel-polymer electrolyte for lithium ion batteries with superior rate and safety performances. *Journal of Materials Chemistry A*, **2017**, 5, 18888-18895	13	58
177	Twin-functional graphene oxide: compacting with Fe 2 O 3 into a high volumetric capacity anode for lithium ion battery. *Energy Storage Materials*, **2017**, 6, 98-103	19.4	56
176	Bulk Storage Capacity of Hydrogen in Purified Multiwalled Carbon Nanotubes. *Journal of Physical Chemistry B*, **2002**, 106, 963-966	3.4	56
175	The Interplay of Oxygen Functional Groups and Folded Texture in Densified Graphene Electrodes for Compact Sodium-Ion Capacitors. *Advanced Energy Materials*, **2018**, 8, 1702395	21.8	55
174	Selective Catalysis Remedies Polysulfide Shuttling in Lithium-Sulfur Batteries. *Advanced Materials*, **2021**, 33, e2101006	24	55
173	Constructing a High-Strength Solid Electrolyte Layer by In Vivo Alloying with Aluminum for an Ultrahigh-Rate Lithium Metal Anode. *Advanced Functional Materials*, **2020**, 30, 1907343	15.6	53
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171	Advanced Materials for Capturing Particulate Matter: Progress and Perspectives. *Small Methods*, **2018**, 2, 1800012	12.8	52
170	Processable and Moldable Sodium-Metal Anodes. *Angewandte Chemie*, **2017**, 129, 12083-12088	3.6	52
169	Interlayer engineering of TiCT MXenes towards high capacitance supercapacitors. *Nanoscale*, **2020**, 12, 763-771	7.7	51
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167	Highly crystalline lithium titanium oxide sheets coated with nitrogen-doped carbon enable high-rate lithium-ion batteries. *ChemSusChem*, **2014**, 7, 2567-74	8.3	50
166	Graphene oxide hydrogel at solid/liquid interface. *Chemical Communications*, **2011**, 47, 5771-3	5.8	49
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164	A unique carbon with a high specific surface area produced by the carbonization of agar in the presence of graphene. *Chemical Communications*, **2013**, 49, 10427-9	5.8	48
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162	Reduced-sized monolayer carbon nitride nanosheets for highly improved photoresponse for cell imaging and photocatalysis. *Science China Materials*, **2017**, 60, 109-118	7.1	46
161	Packing Activated Carbons into Dense Graphene Network by Capillarity for High Volumetric Performance Supercapacitors. *Advanced Science*, **2019**, 6, 1802355	13.6	46
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159	A hybrid of holey graphene and Mn3O4 and its oxygen reduction reaction performance. *Chemical Communications*, **2015**, 51, 3911-4	5.8	46
158	A Directional Strain Sensor Based on Anisotropic Microhoneycomb Cellulose Nanofiber-Carbon Nanotube Hybrid Aerogels Prepared by Unidirectional Freeze Drying. *Small*, **2019**, 15, e1805363	11	46
157	Deactivating Defects in Graphenes with Al2O3 Nanoclusters to Produce Long-Life and High-Rate Sodium-Ion Batteries. *Advanced Energy Materials*, **2019**, 9, 1803078	21.8	46
156	LiNi0.8Co0.15Al0.05O2 as both a trapper and accelerator of polysulfides for lithium-sulfur batteries. *Energy Storage Materials*, **2019**, 17, 111-117	19.4	45
155	Single-Atom Electrocatalysts for Lithium Sulfur Batteries: Progress, Opportunities, and Challenges **2020**, 2, 1450-1463		44
154	Engineering Graphenes from the Nano- to the Macroscale for Electrochemical Energy Storage. *Electrochemical Energy Reviews*, **2018**, 1, 139-168	29.3	42
153	Conductive graphene-based macroscopic membrane self-assembled at a liquid–air interface. *Journal of Materials Chemistry*, **2011**, 21, 3359		42
152	Boosting Catalytic Activity by Seeding Nanocatalysts onto Interlayers to Inhibit Polysulfide Shuttling in Li–S Batteries. *Advanced Functional Materials*, **2021**, 31, 2101980	15.6	42
151	A Composite Polymeric Carbon Nitride with In Situ Formed Isotype Heterojunctions for Highly Improved Photocatalysis under Visible Light. *Small*, **2017**, 13, 1603182	11	41
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149	A lightweight carbon nanofiber-based 3D structured matrix with high nitrogen-doping level for lithium metal anodes. *Science China Materials*, **2019**, 62, 87-94	7.1	41
148	Enhanced Roles of Carbon Architectures in High-Performance Lithium-Ion Batteries. *Nano-Micro Letters*, **2019**, 11, 5	19.5	40
147	Necklace-like MoC sulfiphilic sites embedded in interconnected carbon networks for Li–S batteries with high sulfur loading. *Journal of Materials Chemistry A*, **2019**, 7, 11298-11304	13	39
146	Packing sulfur into carbon framework for high volumetric performance lithium-sulfur batteries. *Science China Materials*, **2015**, 58, 349-354	7.1	39
145	Cobalt-Doping of Molybdenum Disulfide for Enhanced Catalytic Polysulfide Conversion in Lithium-Sulfur Batteries. *ACS Nano*, **2021**, 15, 7491-7499	16.7	39
144	Realizing High Volumetric Lithium Storage by Compact and Mechanically Stable Anode Designs. *ACS Energy Letters*, **2020**, 5, 1986-1995	20.1	38
143	A novel SnS2@graphene nanocable network for high-performance lithium storage. *RSC Advances*, **2014**, 4, 23372-23376	3.7	38
142	A non-flammable hydrous organic electrolyte for sustainable zinc batteries. *Nature Sustainability*,	22.1	38
141	An air-stable and waterproof lithium metal anode enabled by wax composite packaging. *Science Bulletin*, **2019**, 64, 910-917	10.6	36
140	pH-dependent size, surface chemistry and electrochemical properties of graphene oxide. *New Carbon Materials*, **2013**, 28, 327-335	4.4	36
139	Oxygen-enriched carbon nanotubes as a bifunctional catalyst promote the oxygen reduction/evolution reactions in Li-O2 batteries. *Carbon*, **2019**, 141, 561-567	10.4	36
138	Room-temperature liquid metal-based anodes for high-energy potassium-based electrochemical devices. *Chemical Communications*, **2018**, 54, 8032-8035	5.8	35
137	MXenes induce epitaxial growth of size-controlled noble nanometals: A case study for surface enhanced Raman scattering (SERS). *Journal of Materials Science and Technology*, **2020**, 40, 119-127	9.1	35
136	Electrode thickness control: Precondition for quite different functions of graphene conductive additives in LiFePO4 electrode. *Carbon*, **2015**, 92, 311-317	10.4	34
135	Facile Synthesis of Crystalline Polymeric Carbon Nitrides with an Enhanced Photocatalytic Performance under Visible Light. *ChemCatChem*, **2015**, 7, 2897-2902	5.2	34
134	Nanospace-confined formation of flattened Sn sheets in pre-seeded graphenes for lithium ion batteries. *Nanoscale*, **2014**, 6, 9554-8	7.7	34
133	Dual electronic-ionic conductivity of pseudo-capacitive filler enables high volumetric capacitance from dense graphene micro-particles. *Nano Energy*, **2017**, 36, 349-355	17.1	32
132	Electrode thickness matching for achieving high-volumetric-performance lithium-ion capacitors. *Energy Storage Materials*, **2019**, 18, 133-138	19.4	31

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130	A high-performance lithium ion oxygen battery consisting of Li2O2 cathode and lithiated aluminum anode with nafion membrane for reduced O2 crossover. *Nano Energy*, **2017**, 40, 258-263	17.1	31
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128	Activated carbon fibers with manganese dioxide coating for flexible fiber supercapacitors with high capacitive performance. *Journal of Energy Chemistry*, **2019**, 31, 95-100	12	30
127	Holey graphenes as the conductive additives for LiFePO4 batteries with an excellent rate performance. *Carbon*, **2019**, 149, 257-262	10.4	29
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