

# Ho Seok Park

## List of Publications by Year in Descending Order

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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.

235  
papers

9,189  
citations

54  
h-index

85  
g-index

258  
ext. papers

10,886  
ext. citations

10.5  
avg, IF

6.88  
L-index

#	Paper	IF	Citations
235	Rhenium induced electronic structure modulation of Ni <sub>3</sub> S <sub>2</sub> /N-doped graphene for efficient trifunctional electrocatalysis. <i>Composites Part B: Engineering</i> , <b>2022</b> , 234, 109670	10	2
234	Galvanically replaced artificial interfacial layer for highly reversible zinc metal anodes. <i>Applied Physics Reviews</i> , <b>2022</b> , 9, 011401	17.3	4
233	Thermally conducting yet electrically insulating epoxy nanocomposites containing aluminum@electrochemically exfoliated graphene hybrid. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2022</b> , 152, 106675	8.4	4
232	Chemical modification of ordered/disordered carbon nanostructures for metal hosts and electrocatalysts of lithium-air batteries. <i>Information Materials</i> , <b>2022</b> , 4,	23.1	1
231	Flexible Supercapacitor with a Pure DNA Gel Electrolyte (Adv. Mater. Interfaces 14/2022). <i>Advanced Materials Interfaces</i> , <b>2022</b> , 9, 202270081	4.6	
230	Surface Redox-Active Organosulfur-Tethered Carbon Nanotubes for High Power and Long Cyclability of Na <sup>+</sup> Organosulfur Hybrid Energy Storage. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 280-289	20.1	11
229	Materials Science in HUST-SKKU Collaboration. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2010926	15.6	
228	Mesoporous Rh nanoparticles as efficient electrocatalysts for hydrogen evolution reaction. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2021</b> , 96, 371-375	6.3	5
227	Layered Double Hydroxide Quantum Dots for Use in a Bifunctional Separator of Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 17978-17987	9.5	9
226	A Review of Polymer Composites Based on Carbon Fillers for Thermal Management Applications: Design, Preparation, and Properties. <i>Polymers</i> , <b>2021</b> , 13,	4.5	8
225	1D interconnected porous binary transition metal phosphide nanowires for high performance hybrid supercapacitors. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 17005-17014	4.5	1
224	Development of the Functionalized Nanocomposite Materials for Adsorption/Decontamination of Radioactive Pollutants. <i>Materials</i> , <b>2021</b> , 14,	3.5	3
223	Electronically coupled layered double hydroxide/MXene quantum dot metallic hybrids for high-performance flexible zinc-air batteries. <i>Information Materials</i> , <b>2021</b> , 3, 1134	23.1	22
222	Nanowire architected porous bimetallic transition metal oxides for high performance hybrid supercapacitor applications. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 18091-18102	4.5	5
221	Ultrafast and reversible anion storage of spinel nanoarchitecture for high-performance alkaline zinc full cells. <i>Applied Physics Reviews</i> , <b>2021</b> , 8, 021408	17.3	1
220	Unveiling Trifunctional Active Sites of a Heteronanoshet Electrocatalyst for Integrated Cascade Battery/Electrolyzer Systems. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 2460-2468	20.1	7
219	Hierarchical ReS <sub>2</sub> /nitrogen-doped graphene hybrid nanoarchitectures for efficient oxygen reduction. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 19586	4.5	1

218	Hierarchical Architectures Based on Ru Nanoparticles/Oxygen-Rich-Carbon Nanotubes for Efficient Hydrogen Evolution. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 11150-11157	4.8	4
217	Extremely Foldable and Highly Porous Reduced Graphene Oxide Films for Shape-Adaptive Triboelectric Nanogenerators. <i>Small</i> , <b>2021</b> , 17, e1903089	11	13
216	Electrochemical and structural evolution of structured V2O5 microspheres during Li-ion intercalation. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 55, 108-113	12	4
215	2D spinel ZnCo2O4 microsheet-coated functional separator for promoted redox kinetics and inhibited polysulfide dissolution. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 55, 468-475	12	8
214	Mesoporous VO2(B) nanorods deposited onto graphene architectures for enhanced rate capability and cycle life of Li ion battery cathodes. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 855, 157361	5.7	8
213	Interconnected network-like single crystalline bimetallic carbonate hydroxide nanowires for high performance hybrid supercapacitors. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 3064-3074	4.5	8
212	Multiple Active Sites Carbonaceous Anodes for Na+ Storage: Synthesis, Electrochemical Properties and Reaction Mechanism Analysis. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2007247	15.6	6
211	Bifunctional mesoporous CoO/nitrogen-incorporated graphene electrocatalysts for high-power and long-term stability of rechargeable zinc-air batteries. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 6698-6707	4.5	7
210	Advanced Oxygen Electrocatalysis in Energy Conversion and Storage. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2007602	15.6	39
209	Two-Dimensional Pseudocapacitive Nanomaterials for High-Energy- and High-Power-Oriented Applications of Supercapacitors. <i>Accounts of Materials Research</i> , <b>2021</b> , 2, 86-96	7.5	8
208	Emerging trends in anion storage materials for the capacitive and hybrid energy storage and beyond. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 6734-6789	58.5	25
207	3D flower-like oxygen-deficient non-stoichiometry zinc cobaltite for high performance hybrid supercapacitors. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 10832-10842	4.5	7
206	Structural Engineering of Ultrathin ReS on Hierarchically Architected Graphene for Enhanced Oxygen Reduction. <i>ACS Nano</i> , <b>2021</b> , 15, 5560-5566	16.7	6
205	Selectively Converting Carbon Dioxide to Syngas over Intermetallic AuCu Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 2609-2615	8.3	8
204	Maximizing the enzyme immobilization of enzymatic glucose biofuel cells through hierarchically structured reduced graphene oxide. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 20959	4.5	4
203	Recent progress in emerging metal and covalent organic frameworks for electrochemical and functional capacitors. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 8832-8869	13	16
202	Core-Shell Structured MXene@Carbon Nanodots as Bifunctional Catalysts for Solar-Assisted Water Splitting. <i>ACS Nano</i> , <b>2020</b> ,	16.7	28
201	Boosting Redox-Active Sites of 1T MoS Phase by Phosphorus-Incorporated Hierarchical Graphene Architecture for Improved Li Storage Performances. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 51329-51336	9.5	5

200	Thread like structured VO <sub>2</sub> microspheres for improved lithium-ion storage kinetics and stability. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 842, 155721	5.7	7
199	Metal-organic framework-derived cupric oxide polycrystalline nanowires for selective carbon dioxide electroreduction to C <sub>2</sub> valuables. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 12418-12423	13	16
198	Transport and Durability of Energy Storage Materials Operating at High Temperatures. <i>ACS Nano</i> , <b>2020</b> , 14, 7696-7703	16.7	11
197	Vertically Aligned NiCo <sub>2</sub> S <sub>4</sub> Nanosheets Deposited on N-Doped Graphene for Bifunctional and Durable Electrode of Overall Water Splitting. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 2000138	4.6	8
196	The influence of formation temperature on the solid electrolyte interphase of graphite in lithium ion batteries. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 49, 335-338	12	29
195	Review on nanomaterials for next-generation batteries with lithium metal anodes. <i>Nano Select</i> , <b>2020</b> , 1, 94-110	3.1	9
194	Perspective on High-Energy Carbon-Based Supercapacitors. <i>Energy and Environmental Materials</i> , <b>2020</b> , 3, 286-305	13	35
193	2020 Roadmap on Carbon Materials for Energy Storage and Conversion. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 995-1013	4.5	99
192	Facile Multivalent Redox Chemistries in Water-in-Bisalt Hydrogel Electrolytes for Hybrid Energy Storage Full Cells. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 1054-1061	20.1	14
191	Anion-exchange phase control of manganese sulfide for oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 3901-3909	13	18
190	Controlled growth and interaction of NiCo <sub>2</sub> S <sub>4</sub> on conductive substrate for enhanced electrochemical performance. <i>Journal of Power Sources</i> , <b>2020</b> , 451, 227763	8.9	12
189	Sonochemical self-growth of functionalized titanium carbide nanorods on Ti <sub>3</sub> C <sub>2</sub> nanosheets for high capacity anode for lithium-ion batteries. <i>Composites Part B: Engineering</i> , <b>2020</b> , 181, 107583	10	23
188	Interfacially Polymerized Polyamide Interlayer onto Ozonated Carbon Nanotube Networks for Improved Stability of Sulfur Cathodes. <i>ChemSusChem</i> , <b>2020</b> , 13, 2471-2478	8.3	3
187	Highly conducting, extremely durable, phosphorylated cellulose-based ionogels for renewable flexible supercapacitors. <i>Energy Storage Materials</i> , <b>2020</b> , 25, 70-75	19.4	30
186	Integrated Conductive Hybrid Architecture of Metal-organic Framework Nanowire Array on Polypyrrole Membrane for All-Solid-State Flexible Supercapacitors. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1901892	21.8	97
185	Rational design of two-dimensional nanomaterials for lithium-sulfur batteries. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 1049-1075	35.4	156
184	Electrochemical Activation of 2D MXene-Based Hybrid for High Volumetric Mg-Ion Storage Capacitance. <i>Batteries and Supercaps</i> , <b>2020</b> , 3, 354-360	5.6	16
183	Construction of 1D-MoS <sub>2</sub> nanorods/LiNb <sub>3</sub> O <sub>8</sub> heterostructure for enhanced hydrogen evolution. <i>Applied Materials Today</i> , <b>2020</b> , 18, 100536	6.6	16

182	Solid Electrolyte Interphases: Ionic-Conducting and Robust Multilayered Solid Electrolyte Interphases for Greatly Improved Rate and Cycling Capabilities of Sodium Ion Full Cells (Adv. Energy Mater. 37/2020). <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2070153	21.8	
181	Enhanced electrical conductivity of doped graphene fiber via vacuum deposition. <i>Carbon Letters</i> , <b>2020</b> , 31, 613	2.3	1
180	Ionic-Conducting and Robust Multilayered Solid Electrolyte Interphases for Greatly Improved Rate and Cycling Capabilities of Sodium Ion Full Cells. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2001418	21.8	18
179	Molybdenum oxynitride nanoparticles on nitrogen-doped CNT architectures for the oxygen evolution reaction. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 5659-5665	5.1	3
178	Biomimetic composite architecture achieves ultrahigh rate capability and cycling life of sodium ion battery cathodes. <i>Applied Physics Reviews</i> , <b>2020</b> , 7, 041410	17.3	4
177	Three-dimensionally macroporous nitrogen and boron co-doped graphene aerogels derived from polyaspartamide for supercapacitor electrodes. <i>Materials Today Communications</i> , <b>2020</b> , 25, 101495	2.5	5
176	Full Bulk-Structure Reconstruction into Amorphized Cobalt-Iron Oxyhydroxide Nanosheet Electrocatalysts for Greatly Improved Electrocatalytic Activity. <i>Small Methods</i> , <b>2020</b> , 4, 2000546	12.8	19
175	Bifunctional electrocatalysts based on hierarchical graphene/iron hybrid architectures branched by N-doped CNT. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 846, 156244	5.7	8
174	Electrode materials for biomedical patchable and implantable energy storage devices. <i>Energy Storage Materials</i> , <b>2020</b> , 24, 113-128	19.4	23
173	Hierarchically open-porous nitrogen-incorporated carbon polyhedrons derived from metal-organic frameworks for improved CDI performance. <i>Chemical Engineering Journal</i> , <b>2020</b> , 382, 122996	14.7	48
172	Confinement of sulfur in the micropores of honeycomb-like carbon derived from lignin for lithium-sulfur battery cathode. <i>Chemical Engineering Journal</i> , <b>2020</b> , 382, 122946	14.7	37
171	Perspective on the critical role of interface for advanced batteries. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 47, 217-220	12	82
170	Controllable oxygen-incorporated interlayer-expanded ReS <sub>2</sub> nanosheets deposited on hollow mesoporous carbon spheres for improved redox kinetics of Li-ion storage. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 22070-22078	13	8
169	Ti-based electrode materials for electrochemical sodium ion storage and removal. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 22163-22188	13	38
168	Two-dimensional nanomaterials as emerging pseudocapacitive materials. <i>Korean Journal of Chemical Engineering</i> , <b>2019</b> , 36, 1557-1564	2.8	9
167	Controlling hierarchical porous structures of rice-husk-derived carbons for improved capacitive deionization performance. <i>Environmental Science: Nano</i> , <b>2019</b> , 6, 916-924	7.1	20
166	Renewable flexible supercapacitors based on all-lignin-based hydrogel electrolytes and nanofiber electrodes. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 16962-16968	13	86
165	Alloy Anodes for Rechargeable Alkali-Metal Batteries: Progress and Challenge <b>2019</b> , 1, 217-229		85

164	Hierarchical and ultrathin copper nanosheets synthesized via galvanic replacement for selective electrocatalytic carbon dioxide conversion to carbon monoxide. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 255, 117736	21.8	40
163	Chlorella-derived activated carbon with hierarchical pore structure for energy storage materials and adsorbents. <i>Carbon Letters</i> , <b>2019</b> , 29, 167-175	2.3	17
162	Rational Design of Carbon Nanomaterials for Electrochemical Sodium Storage and Capture. <i>Advanced Materials</i> , <b>2019</b> , 31, e1803444	24	74
161	Carambola-shaped SnO <sub>2</sub> wrapped in carbon nanotube network for high volumetric capacity and improved rate and cycle stability of lithium ion battery. <i>Chemical Engineering Journal</i> , <b>2019</b> , 369, 422-431	14.7	54
160	Mass-Produced Electrochemically Exfoliated Graphene for Ultrahigh Thermally Conductive Paper Using a Multimetal Electrode System. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1900095	4.6	10
159	Hexagonal plate-like NiCoMn hydroxide nanostructures to achieve high energy density of hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 11362-11369	13	72
158	Hybridization design of materials and devices for flexible electrochemical energy storage. <i>Energy Storage Materials</i> , <b>2019</b> , 19, 212-241	19.4	114
157	Surface-Modified Sulfur Nanorods Immobilized on Radially Assembled Open-Porous Graphene Microspheres for Lithium-Sulfur Batteries. <i>ACS Nano</i> , <b>2019</b> , 13, 5163-5171	16.7	65
156	Phase- and interlayer spacing-controlled cobalt hydroxides for high performance asymmetric supercapacitor applications. <i>Journal of Power Sources</i> , <b>2019</b> , 422, 9-17	8.9	43
155	Nanostructured Carbon: Rational Design of Carbon Nanomaterials for Electrochemical Sodium Storage and Capture (Adv. Mater. 34/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970239	24	3
154	Nitrogen-doped nanoporous carbons derived from lignin for high CO <sub>2</sub> capacity. <i>Carbon Letters</i> , <b>2019</b> , 29, 289-296	2.3	8
153	Hierarchically structured vanadium pentoxide/reduced graphene oxide composite microballs for lithium ion battery cathodes. <i>Journal of Power Sources</i> , <b>2019</b> , 436, 226854	8.9	14
152	Redox Tuning in Crystalline and Electronic Structure of Bimetal-Organic Frameworks Derived Cobalt/Nickel Boride/Sulfide for Boosted Faradaic Capacitance. <i>Advanced Materials</i> , <b>2019</b> , 31, e1905744	24	93
151	Two-Dimensional Metallic Niobium Diselenide for Sub-micrometer-Thin Antennas in Wireless Communication Systems. <i>ACS Nano</i> , <b>2019</b> , 13, 14114-14121	16.7	18
150	Cobalt vanadate nanoparticles as bifunctional oxygen electrocatalysts for rechargeable seawater batteries. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2019</b> , 72, 250-254	6.3	13
149	Rational Design of Hierarchically Open-Porous Spherical Hybrid Architectures for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1802816	21.8	32
148	Extreme properties of double networked ionogel electrolytes for flexible and durable energy storage devices. <i>Energy Storage Materials</i> , <b>2019</b> , 19, 197-205	19.4	30
147	MXene/Polymer Hybrid Materials for Flexible AC-Filtering Electrochemical Capacitors. <i>Joule</i> , <b>2019</b> , 3, 164-176	27.8	153



146	Revealing molecular-level surface redox sites of controllably oxidized black phosphorus nanosheets. <i>Nature Materials</i> , <b>2019</b> , 18, 156-162	27	150
145	Porous interconnected NiCo <sub>2</sub> O <sub>4</sub> nanosheets and nitrogen- and sulfur-codoped reduced graphene oxides for high-performance hybrid supercapacitors. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 781, 515-523	5.7	23
144	Recent Progress on Transition Metal Oxides as Bifunctional Catalysts for Lithium-Air and Zinc-Air Batteries. <i>Batteries and Supercaps</i> , <b>2019</b> , 2, 336-347	5.6	108
143	Materials and Device Constructions for Aqueous Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1707593	15.6	24
142	Bulk metal-derived metal oxide nanoparticles on oxidized carbon surface. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 752, 198-205	5.7	1
141	Emergent Pseudocapacitance of 2D Nanomaterials. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702930	21.8	172
140	105 Cyclable Pseudocapacitive Na-Ion Storage of Hierarchically Structured Phosphorus-Incorporating Nanoporous Carbons in Organic Electrolytes. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 724-732	20.1	57
139	Controlled synthesis of hierarchical nanoflake structure of NiO thin film for supercapacitor application. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 741, 549-556	5.7	46
138	Pseudocapacitance: Emergent Pseudocapacitance of 2D Nanomaterials (Adv. Energy Mater. 13/2018). <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1870058	21.8	7
137	Highly flexible pseudocapacitors of phosphorus-incorporated porous reduced graphene oxide films. <i>Journal of Power Sources</i> , <b>2018</b> , 390, 93-99	8.9	28
136	CoO nanoparticles deposited on 3D macroporous ozonized RGO networks for high rate capability and ultralong cyclability of pseudocapacitors. <i>Ceramics International</i> , <b>2018</b> , 44, 980-987	5.1	28
135	Straightforward and controllable synthesis of heteroatom-doped carbon dots and nanoporous carbons for surface-confined energy and chemical storage. <i>Energy Storage Materials</i> , <b>2018</b> , 12, 331-340	19.4	50
134	Improving energy density of supercapacitors using heteroatom-incorporated three-dimensional macro-porous graphene electrodes and organic electrolytes. <i>Journal of Power Sources</i> , <b>2018</b> , 399, 83-88	8.9	28
133	Restacking-inhibited nitrogen-incorporated mesoporous reduced graphene oxides for high energy supercapacitors. <i>Ceramics International</i> , <b>2018</b> , 44, 3195-3200	5.1	12
132	Hybrid double-network hydrogel based on poly(aspartic acid) and poly(acryl amide) with improved mechanical properties. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 45925	2.9	6
131	Spray-drying assisted synthesis of a Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> /C composite for high rate performance lithium ion batteries. <i>Ceramics International</i> , <b>2018</b> , 44, 2683-2690	5.1	17
130	Capacitive deionization of saline water using sandwich-like nitrogen-doped graphene composites via a self-assembling strategy. <i>Environmental Science: Nano</i> , <b>2018</b> , 5, 2722-2730	7.1	96
129	A functional separator coated with sulfonated metal-organic framework/Nafion hybrids for LiS batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 24971-24978	13	59

128	Ultralight and compressible mussel-inspired dopamine-conjugated poly(aspartic acid)/Fe <sup>3+</sup> -multifunctionalized graphene aerogel. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 16484-16499	4.3	6
127	Controllable synthesis of nanohorn-like architected cobalt oxide for hybrid supercapacitor application. <i>Journal of Power Sources</i> , <b>2018</b> , 402, 147-156	8.9	63
126	Iron Oxide Nanoparticle-Encapsulated CNT Branches Grown on 3D Ozonated CNT Internetworks for Lithium-Ion Battery Anodes. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1801746	15.6	32
125	Hyperactive iron carbide@N-doped reduced graphene oxide/carbon nanotube hybrid architecture for rapid CO hydrogenation. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 11134-11139	13	8
124	Stabilizing NiCo <sub>2</sub> O <sub>4</sub> hybrid architectures by reduced graphene oxide interlayers for improved cycling stability of hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 22106-22114	13	70
123	Microwave synthesis of SnO <sub>2</sub> nanocrystals decorated on the layer-by-layer reduced graphene oxide for an application into lithium ion battery anode. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 702, 636-643	5.7	15
122	CNT branching of three-dimensional steam-activated graphene hybrid frameworks for excellent rate and cyclic capabilities to store lithium ions. <i>Carbon</i> , <b>2017</b> , 116, 500-509	10.4	22
121	Biomimetic Spider-Web-Like Composites for Enhanced Rate Capability and Cycle Life of Lithium Ion Battery Anodes. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1700331	21.8	43
120	Enhanced activity and durability of the oxygen reduction catalysts supported on the surface expanded tubular-type carbon nanofiber. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 217, 192-200	21.8	5
119	Hierarchical structured, nitrogen-incorporated graphene aerogel for high performance supercapacitor. <i>Macromolecular Research</i> , <b>2017</b> , 25, 1043-1048	1.9	9
118	Electron-spun 2D MoS <sub>2</sub> -decorated carbon nanofibers as pseudocapacitive electrode material into lithium ion battery. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 728, 767-772	5.7	11
117	Lithium-Ion Batteries: Biomimetic Spider-Web-Like Composites for Enhanced Rate Capability and Cycle Life of Lithium Ion Battery Anodes (Adv. Energy Mater. 17/2017). <i>Advanced Energy Materials</i> , <b>2017</b> , 7,	21.8	1
116	Carbon nanotubes branched on three-dimensional, nitrogen-incorporated reduced graphene oxide/iron oxide hybrid architectures for lithium ion battery anode. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 726, 88-94	5.7	19
115	Hierarchically structured graphene-carbon nanotube-cobalt hybrid electrocatalyst for seawater battery. <i>Journal of Power Sources</i> , <b>2017</b> , 372, 31-37	8.9	19
114	Graphene-based materials for capacitive deionization. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 13907-13943	13.9	189
113	Phase-Controlled Iron Oxide Nanobox Deposited on Hierarchically Structured Graphene Networks for Lithium Ion Storage and Photocatalysis. <i>Scientific Reports</i> , <b>2016</b> , 6, 19959	4.9	23
112	High-Performance Mesostructured Organic Hybrid Pseudocapacitor Electrodes. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 903-910	15.6	52
111	Compositional dependence of the alignment of three-dimensionally macroporous architectures assembled by two-dimensional hybrid nanosheets. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 677, 171-177	5.7	3



110	Electrochemical assembly of reduced graphene oxide/manganese dioxide nanocomposites into hierarchical sea urchin-like structures for supercapacitive electrodes. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 668, 146-151	5.7	23
109	Sulfur and phosphorus co-doping of hierarchically porous graphene aerogels for enhancing supercapacitor performance. <i>Carbon</i> , <b>2016</b> , 101, 49-56	10.4	227
108	Multiscale textured, ultralight graphene monoliths for enhanced CO <sub>2</sub> and SO <sub>2</sub> adsorption capacity. <i>Fuel</i> , <b>2016</b> , 174, 36-42	7.1	31
107	Synthesis and characterization of electrospun PAN/2D MoS <sub>2</sub> composite nanofibers. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2016</b> , 34, 61-65	6.3	13
106	Ice-templated three dimensional nitrogen doped graphene for enhanced supercapacitor performance. <i>Journal of Power Sources</i> , <b>2016</b> , 303, 372-378	8.9	107
105	Sorption behavior of slightly reduced, three-dimensionally macroporous graphene oxides for physical loading of oils and organic solvents. <i>Carbon Letters</i> , <b>2016</b> , 18, 24-29	2.3	1
104	Self-healable mussel-mimetic nanocomposite hydrogel based on catechol-containing polyaspartamide and graphene oxide. <i>Materials Science and Engineering C</i> , <b>2016</b> , 69, 160-70	8.3	30
103	Nanoflakes Decorated Hollow Mesoporous Co <sub>3</sub> O <sub>4</sub> Superstructures for Electrochemical Capacitors. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2016</b> , 16, 12546-12554	1.3	4
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101	Cartilage-inspired superelastic ultradurable graphene aerogels prepared by the selective gluing of intersheet joints. <i>Nanoscale</i> , <b>2016</b> , 8, 12900-9	7.7	24
100	Transition from Diffusion-Controlled Intercalation into Extrinsic Pseudocapacitive Charge Storage of MoS <sub>2</sub> by Nanoscale Heterostructuring. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1501115	21.8	133
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97	Reversibly Compressible, Highly Elastic, and Durable Graphene Aerogels for Energy Storage Devices under Limiting Conditions. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 1053-1062	15.6	121
96	Absorption and desorption of SO <sub>2</sub> in aqueous solutions of diamine-based molten salts. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 289, 63-71	12.8	17
95	Unveiling surface redox charge storage of interacting two-dimensional heteronanoshets in hierarchical architectures. <i>Nano Letters</i> , <b>2015</b> , 15, 2269-77	11.5	73
94	Hierarchically structured reduced graphene oxide/WO <sub>3</sub> frameworks for an application into lithium ion battery anodes. <i>Chemical Engineering Journal</i> , <b>2015</b> , 281, 724-729	14.7	48
93	Extremely Durable, Flexible Supercapacitors with Greatly Improved Performance at High Temperatures. <i>ACS Nano</i> , <b>2015</b> , 9, 8569-77	16.7	87

92	Manipulating the glass transition behavior of sulfonated polystyrene by functionalized nanoparticle inclusion. <i>Nanoscale</i> , <b>2015</b> , 7, 8864-72	7.7	10
91	Positively-charged reduced graphene oxide as an adhesion promoter for preparing a highly-stable silver nanowire film. <i>Nanoscale</i> , <b>2015</b> , 7, 6798-804	7.7	49
90	Enhanced anode performance of micro/meso-porous reduced graphene oxide prepared from carbide-derived carbon for energy storage devices. <i>Carbon</i> , <b>2015</b> , 91, 241-251	10.4	17
89	Chemical modification of graphene aerogels for electrochemical capacitor applications. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 30946-62	3.6	67
88	Preparation and characterization of CO <sub>2</sub> -responsive poly(amino acid) derivatives with guanidine group. <i>Polymer Bulletin</i> , <b>2015</b> , 72, 2605-2620	2.4	11
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83	Graphene-graphene oxide floating gate transistor memory. <i>Small</i> , <b>2015</b> , 11, 311-8	11	39
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2	Redox Charge Transfer Kinetics and Reversibility of VO <sub>2</sub> in Aqueous and Non-Aqueous Electrolytes of Na-Ion Storage. <i>Energy and Environmental Materials</i> ,	13	1
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