

# Ho Seok Park

## List of Publications by Citations

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235  
papers

9,189  
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54  
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258  
ext. papers

10,886  
ext. citations

10.5  
avg, IF

6.88  
L-index

#	Paper	IF	Citations
235	Facilitated ion transport in all-solid-state flexible supercapacitors. <i>ACS Nano</i> , <b>2011</b> , 5, 7205-13	16.7	409
234	Solution chemistry of self-assembled graphene nano hybrids for high-performance flexible biosensors. <i>ACS Nano</i> , <b>2010</b> , 4, 2910-8	16.7	311
233	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
232	Innovative polymer nanocomposite electrolytes: nanoscale manipulation of ion channels by functionalized graphenes. <i>ACS Nano</i> , <b>2011</b> , 5, 5167-74	16.7	195
231	Graphene-based materials for capacitive deionization. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 13907-13943	19.43	189
230	Recent Progress in Flexible Electrochemical Capacitors: Electrode Materials, Device Configuration, and Functions. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1500959	21.8	183
229	Emergent Pseudocapacitance of 2D Nanomaterials. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702930	21.8	172
228	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
227	MXene/Polymer Hybrid Materials for Flexible AC-Filtering Electrochemical Capacitors. <i>Joule</i> , <b>2019</b> , 3, 164-176	27.8	153
226	Highly-efficient and recyclable oil absorbing performance of functionalized graphene aerogel. <i>Chemical Engineering Journal</i> , <b>2015</b> , 269, 229-235	14.7	150
225	Revealing molecular-level surface redox sites of controllably oxidized black phosphorus nanosheets. <i>Nature Materials</i> , <b>2019</b> , 18, 156-162	27	150
224	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
223	Enhanced transport properties in polymer electrolyte composite membranes with graphene oxide sheets. <i>Carbon</i> , <b>2012</b> , 50, 5395-5402	10.4	124
222	Adsorption isotherms and kinetics of cationic and anionic dyes on three-dimensional reduced graphene oxide macrostructure. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2015</b> , 21, 1191-1196	6.3	123
221	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
220	Superior pseudocapacitive behavior of confined lignin nanocrystals for renewable energy-storage materials. <i>ChemSusChem</i> , <b>2014</b> , 7, 1094-101	8.3	116
219	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

218	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
217	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
216	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
215	Sulfur-incorporated, porous graphene films for high performance flexible electrochemical capacitors. <i>Carbon</i> , <b>2014</b> , 77, 59-65	10.4	97
214	Ultrafast and continuous synthesis of unaccommodating inorganic nanomaterials in droplet- and ionic liquid-assisted microfluidic system. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 14765-70	16.4	97
213	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
212	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
211	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 <sup>24</sup>		93
210	Enhanced pseudocapacitance of ionic liquid/cobalt hydroxide nanohybrids. <i>ACS Nano</i> , <b>2013</b> , 7, 2453-60	16.7	91
209	Extremely Durable, Flexible Supercapacitors with Greatly Improved Performance at High Temperatures. <i>ACS Nano</i> , <b>2015</b> , 9, 8569-77	16.7	87
208	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
207	Anomalous nanoinclusion effects of 2D MoS <sub>2</sub> and WS <sub>2</sub> nanosheets on the mechanical stiffness of polymer nanocomposites. <i>Nanoscale</i> , <b>2014</b> , 6, 7430-5	7.7	86
206	Alloy Anodes for Rechargeable Alkali-Metal Batteries: Progress and Challenge <b>2019</b> , 1, 217-229		85
205	Facile Route to Synthesize Large-Mesoporous $\gamma$ -Alumina by Room Temperature Ionic Liquids. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 535-542	9.6	83
204	Perspective on the critical role of interface for advanced batteries. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 47, 217-220	12	82
203	Three-dimensional, sulfur-incorporated graphene aerogels for the enhanced performances of pseudocapacitive electrodes. <i>Journal of Power Sources</i> , <b>2015</b> , 278, 484-489	8.9	81
202	Influence of Morphology on the Transport Properties of Perfluorosulfonate Ionomers/Polypyrrole Composite Membrane. <i>Macromolecules</i> , <b>2005</b> , 38, 2289-2295	5.5	77
201	Elucidating surface redox charge storage of phosphorus-incorporated graphenes with hierarchical architectures. <i>Nano Energy</i> , <b>2015</b> , 15, 576-586	17.1	76

200	Omnidirectionally Stretchable and Transparent Graphene Electrodes. <i>ACS Nano</i> , <b>2016</b> , 10, 9446-9455	16.7	75
199	Rational Design of Carbon Nanomaterials for Electrochemical Sodium Storage and Capture. <i>Advanced Materials</i> , <b>2019</b> , 31, e1803444	24	74
198	Unveiling surface redox charge storage of interacting two-dimensional heteronanosheets in hierarchical architectures. <i>Nano Letters</i> , <b>2015</b> , 15, 2269-77	11.5	73
197	Development of a Glucose Biosensor Using Advanced Electrode Modified by Nanohybrid Composing Chemically Modified Graphene and Ionic Liquid. <i>Electroanalysis</i> , <b>2010</b> , 22, 1223-1228	3	73
196	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
195	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
194	Ionic-liquid-assisted sonochemical synthesis of carbon-nanotube-based nanohybrids: control in the structures and interfacial characteristics. <i>Small</i> , <b>2009</b> , 5, 1754-60	11	68
193	Influence of additives including amine and hydroxyl groups on aqueous ammonia absorbent for CO <sub>2</sub> capture. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 4323-8	3.4	68
192	Chemical modification of graphene aerogels for electrochemical capacitor applications. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 30946-62	3.6	67
191	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
190	Influence of oxidation state of polyaniline on physicochemical and transport properties of Nafion/polyaniline composite membrane for DMFC. <i>Journal of Membrane Science</i> , <b>2008</b> , 324, 102-110	9.6	64
189	Physical and electrochemical properties of Nafion/polypyrrole composite membrane for DMFC. <i>Journal of Membrane Science</i> , <b>2006</b> , 272, 28-36	9.6	63
188	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
187	CO <sub>2</sub> -activated, hierarchical trimodal porous graphene frameworks for ultrahigh and ultrafast capacitive behavior. <i>Nanoscale</i> , <b>2014</b> , 6, 5296-302	7.7	61
186	Superhydrophobic Graphene/Nafion Nanohybrid Films with Hierarchical Roughness. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 3207-3211	3.8	61
185	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
184	Highly uniform deposition of MoO <sub>3</sub> nanodots on multiwalled carbon nanotubes for improved performance of supercapacitors. <i>Journal of Power Sources</i> , <b>2013</b> , 235, 187-192	8.9	58
183	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

182	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
181	Development of the electrochemical biosensor for organophosphate chemicals using CNT/ionic liquid bucky gel electrode. <i>Electrochemistry Communications</i> , <b>2009</b> , 11, 672-675	5.1	54
180	Flow-injection amperometric glucose biosensors based on graphene/Nafion hybrid electrodes. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 9721-9726	6.7	53
179	Microwave-assisted synthesis of highly water-soluble graphene towards electrical DNA sensor. <i>Nanoscale</i> , <b>2010</b> , 2, 2692-7	7.7	53
178	Analysis of the CO <sub>2</sub> and NH <sub>3</sub> reaction in an aqueous solution by 2D IR COS: formation of bicarbonate and carbamate. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 6558-62	2.8	53
177	Meters-Long Flexible CoNiO <sub>2</sub> -Nanowires@Carbon-Fibers Based Wire-Supercapacitors for Wearable Electronics. <i>Advanced Materials Technologies</i> , <b>2016</b> , 1, 1600142	6.8	53
176	High-Performance Mesostructured Organic Hybrid Pseudocapacitor Electrodes. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 903-910	15.6	52
175	Adsorption of Pyruvic and Succinic Acid by Amine-Functionalized SBA-15 for the Purification of Succinic Acid from Fermentation Broth. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 13076-13086	3.8	51
174	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
173	Steric hindrance-induced zwitterionic carbonates from alkanolamines and CO <sub>2</sub> : highly efficient CO <sub>2</sub> absorbents. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 4284	35.4	50
172	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
171	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
170	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
169	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
168	Electrochemical assembly of MnO <sub>2</sub> on ionic liquid-graphene films into a hierarchical structure for high rate capability and long cycle stability of pseudocapacitors. <i>Nanoscale</i> , <b>2012</b> , 4, 5394-400	7.7	46
167	Directed Self-Assembly of Gold Nanoparticles on Graphene-Ionic Liquid Hybrid for Enhancing Electrocatalytic Activity. <i>Electroanalysis</i> , <b>2011</b> , 23, 850-857	3	46
166	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
165	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

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	Sonochemical hybridization of carbon nanotubes with gold nanoparticles for the production of flexible transparent conducting films. <i>Carbon</i> , <b>2010</b> , 48, 1325-1330	10.4	40
162	Intermolecular interaction-induced hierarchical transformation in 1D nanohybrids: analysis of conformational changes by 2D correlation spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 845-52	16.4	40
161	Graphene-graphene oxide floating gate transistor memory. <i>Small</i> , <b>2015</b> , 11, 311-8	11	39
160	Interfacial Interactions of Single-Walled Carbon Nanotube/Conjugated Block Copolymer Hybrids for Flexible Transparent Conductive Films. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 7962-7967	3.8	39
159	Advanced Oxygen Electrocatalysis in Energy Conversion and Storage. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2007602	15.6	39
158	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
157	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
156	Surface functional groups of carbon nanotubes to manipulate capacitive behaviors. <i>Nanoscale</i> , <b>2013</b> , 5, 12304-9	7.7	36
155	Microfluidic extraction using two phase laminar flow for chemical and biological applications. <i>Korean Journal of Chemical Engineering</i> , <b>2011</b> , 28, 633-642	2.8	36
154	Perspective on High-Energy Carbon-Based Supercapacitors. <i>Energy and Environmental Materials</i> , <b>2020</b> , 3, 286-305	13	35
153	Anomalous thermal transition and crystallization of ionic liquids confined in graphene multilayers. <i>Chemical Communications</i> , <b>2012</b> , 48, 2015-7	5.8	33
152	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
151	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
150	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
149	1D and 3D Ionic Liquid-Aluminum Hydroxide Hybrids Prepared via an Ionothermal Process. <i>Advanced Functional Materials</i> , <b>2007</b> , 17, 2411-2418	15.6	31
148	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
147	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



146	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
145	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
144	One pot catalytic NO <sub>2</sub> reduction, ring hydrogenation, and N-alkylation from nitroarenes to generate alicyclic amines using Ru/C-NaNO <sub>2</sub> . <i>Catalysis Communications</i> , <b>2014</b> , 43, 79-83	3.2	29
143	Structure and compositional control of MoO <sub>3</sub> hybrids assembled by nanoribbons for improved pseudocapacitor rate and cycle performance. <i>Nanoscale</i> , <b>2012</b> , 4, 7855-60	7.7	29
142	Core-Shell Structured MXene@Carbon Nanodots as Bifunctional Catalysts for Solar-Assisted Water Splitting. <i>ACS Nano</i> , <b>2020</b> ,	16.7	28
141	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
140	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
139	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
138	Controlling size, amount, and crystalline structure of nanoparticles deposited on graphenes for highly efficient energy conversion and storage. <i>ChemSusChem</i> , <b>2012</b> , 5, 709-15	8.3	28
137	Surface chemistry and physical properties of Nafion/polypyrrole/Pt composite membrane prepared by chemical in situ polymerization for DMFC. <i>Journal of Power Sources</i> , <b>2008</b> , 178, 610-619	8.9	26
136	Finely tuning oxygen functional groups of graphene materials and optimizing oxygen levels for capacitors. <i>RSC Advances</i> , <b>2014</b> , 4, 36377	3.7	25
135	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
134	Bio-inspired functionalization and redox charge transfer of graphene oxide sponges for pseudocapacitive electrodes. <i>Carbon</i> , <b>2015</b> , 83, 71-78	10.4	24
133	Materials and Device Constructions for Aqueous Lithium Sulfur Batteries. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1707593	15.6	24
132	Facile electrochemical synthesis of polydopamine-incorporated graphene oxide/PEDOT hybrid thin films for pseudocapacitive behaviors. <i>Synthetic Metals</i> , <b>2014</b> , 195, 162-166	3.6	24
131	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
130	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
129	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

128	Mussel-mimetic self-healing polyaspartamide derivative gel via boron-catechol interactions. <i>EXPRESS Polymer Letters</i> , <b>2015</b> , 9, 799-808	3.4	23
127	Sonochemical self-growth of functionalized titanium carbide nanorods on Ti3C2 nanosheets for high capacity anode for lithium-ion batteries. <i>Composites Part B: Engineering</i> , <b>2020</b> , 181, 107583	10	23
126	Porous interconnected NiCo2O4 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
125	Electrode materials for biomedical patchable and implantable energy storage devices. <i>Energy Storage Materials</i> , <b>2020</b> , 24, 113-128	19.4	23
124	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
123	Fabrication and characterization of block copolymer micelle multilayer films prepared using dip-, spin- and spray-assisted layer-by-layer assembly deposition. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2011</b> , 381, 7-12	5.1	22
122	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
121	Nanoindentation of annealed Nafion/sulfonated graphene oxide nanocomposite membranes for the measurement of mechanical properties. <i>Journal of Membrane Science</i> , <b>2014</b> , 451, 40-45	9.6	21
120	Surface modification and partial reduction of three-dimensional macroporous graphene oxide scaffolds for greatly improved adsorption capacity. <i>RSC Advances</i> , <b>2014</b> , 4, 899-902	3.7	21
119	Two-dimensional infrared correlation spectroscopy and principal component analysis on the carbonation of sterically hindered alkanolamines. <i>ChemPhysChem</i> , <b>2012</b> , 13, 3365-9	3.2	21
118	Electroactive nanoparticle directed assembly of functionalized graphene nanosheets into hierarchical structures with hybrid compositions for flexible supercapacitors. <i>Nanoscale</i> , <b>2013</b> , 5, 3976-81	7.7	21
117	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
116	Aqueous synthesis and stabilization of highly concentrated gold nanoparticles using sterically hindered functional polymer. <i>Chemical Physics Letters</i> , <b>2013</b> , 575, 71-75	2.5	20
115	Programmable peptide-directed two dimensional arrays of various nanoparticles on graphene sheets. <i>Nanoscale</i> , <b>2011</b> , 3, 3208-13	7.7	20
114	Immobilization of genetically engineered fusion proteins on gold-decorated carbon nanotube hybrid films for the fabrication of biosensor platforms. <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 350, 453-8	9.3	20
113	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
112	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
111	Hollow triple-shelled SiO2/TiO2/polypyrrole nanospheres for enhanced lithium storage capability. <i>Chemical Engineering Journal</i> , <b>2014</b> , 237, 380-386	14.7	19



110	Charge transfer interactions between conjugated block copolymers and reduced graphene oxides. <i>Chemical Communications</i> , <b>2011</b> , 47, 10293-5	5.8	19
109	Energy transfer in ionic-liquid-functionalized inorganic nanorods for highly efficient photocatalytic applications. <i>Small</i> , <b>2010</b> , 6, 290-5	11	19
108	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
107	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
106	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
105	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
104	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
103	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
102	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
101	One-Pot Self-Assembled, Reduced Graphene Oxide/Palladium Nanoparticle Hybrid Aerogels for Electrocatalytic Applications. <i>Electrochimica Acta</i> , <b>2015</b> , 180, 902-908	6.7	17
100	Mechanistic study of synthesis of gold nanoparticles using multi-functional polymer. <i>Chemical Physics Letters</i> , <b>2014</b> , 592, 265-271	2.5	17
99	Binder-free, self-standing films of iron oxide nanoparticles deposited on ionic liquid functionalized carbon nanotubes for lithium-ion battery anodes. <i>Materials Chemistry and Physics</i> , <b>2014</b> , 144, 396-401	4.4	17
98	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
97	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
96	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
95	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
94	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
93	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

92	Understanding the unique interaction of amine-containing ionic compounds with SO <sub>2</sub> for high absorption capacity. <i>RSC Advances</i> , <b>2013</b> , 3, 25944	3.7	15
91	Interionic interactions of binary gels consisting of pyrrolidinium-based zwitterionic compounds and lithium salts. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 1743-50	3.4	15
90	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
89	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
88	Functionalization of reduced graphene oxides by redox-active ionic liquids for energy storage. <i>Chemical Communications</i> , <b>2012</b> ,	5.8	14
87	Clean and facile solution synthesis of iron(III)-entrapped gamma-alumina nanosorbents for arsenic removal. <i>ChemSusChem</i> , <b>2008</b> , 1, 356-62	8.3	14
86	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
85	Three-dimensionally macroporous, Si and N-incorporated graphene aerogels for gas adsorbents. <i>Materials Express</i> , <b>2015</b> , 5, 463-469	1.3	13
84	Retransformed graphitic activated carbon from ionic liquid-derived carbon containing nitrogen. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 2564-2567	13	13
83	Carbon nanotube modification using gum arabic and its effect on the dispersion and tensile properties of carbon nanotubes/epoxy nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 7369-73	1.3	13
82	Green one-pot assembly of iron-based nanomaterials for the rational design of structure. <i>Chemical Communications</i> , <b>2009</b> , 4058-60	5.8	13
81	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
80	Extremely Foldable and Highly Porous Reduced Graphene Oxide Films for Shape-Adaptive Triboelectric Nanogenerators. <i>Small</i> , <b>2021</b> , 17, e1903089	11	13
79	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
78	The confinement of SnO <sub>2</sub> nanocrystals into 3D RGO architectures for improved rate and cyclic performance of LIB anode. <i>CrystEngComm</i> , <b>2016</b> , 18, 6049-6054	3.3	12
77	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
76	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
75	Transport and Durability of Energy Storage Materials Operating at High Temperatures. <i>ACS Nano</i> , <b>2020</b> , 14, 7696-7703	16.7	11

74	Phase transition method to form Group 6A nanoparticles on carbonaceous templates. <i>ACS Nano</i> , <b>2014</b> , 8, 2279-89	16.7	11
73	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
72	Ionic liquid-assisted direct synthesis of PdO nanoparticles immobilized on boehmite nanoparticles. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 357, 46-9	9.3	11
71	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
70	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
69	Manipulating the glass transition behavior of sulfonated polystyrene by functionalized nanoparticle inclusion. <i>Nanoscale</i> , <b>2015</b> , 7, 8864-72	7.7	10
68	Rendering High Charge Density of States in Ionic Liquid-Gated MoS <sub>2</sub> Transistors. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 18278-18282	3.8	10
67	Hierarchical structured, nitrogen-incorporated graphene aerogel for high performance supercapacitor. <i>Macromolecular Research</i> , <b>2017</b> , 25, 1043-1048	1.9	9
66	Two-dimensional nanomaterials as emerging pseudocapacitive materials. <i>Korean Journal of Chemical Engineering</i> , <b>2019</b> , 36, 1557-1564	2.8	9
65	Review on nanomaterials for next-generation batteries with lithium metal anodes. <i>Nano Select</i> , <b>2020</b> , 1, 94-110	3.1	9
64	Controlled assembly of graphene oxide nanosheets within one-dimensional polymer nanostructure. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 406, 24-9	9.3	9
63	Tracking the transition behavior and dynamics of ionic transport in crystalline ionic gel electrolytes. <i>Chemical Communications</i> , <b>2009</b> , 6388-90	5.8	9
62	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
61	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
60	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
59	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
58	Spectroscopic and computational insight into the intermolecular interactions between Zwitter-type ionic liquids and water molecules. <i>ChemPhysChem</i> , <b>2010</b> , 11, 1711-7	3.2	8
57	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

56	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
55	2D spinel ZnCo <sub>2</sub> O <sub>4</sub> 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
54	Mesoporous VO <sub>2</sub> (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
53	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
52	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
51	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
50	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
49	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
48	Pseudocapacitance: Emergent Pseudocapacitance of 2D Nanomaterials (Adv. Energy Mater. 13/2018). <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1870058	21.8	7
47	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
46	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
45	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
44	Multiwalled carbon nanotubes coated with a thin carbon layer for use as composite electrodes in supercapacitors. <i>RSC Advances</i> , <b>2014</b> , 4, 47827-47832	3-7	6
43	Analysis of CO <sub>2</sub> ⇌NH <sub>3</sub> reaction dynamics in an aqueous phase by PCA and 2D IR COS. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2012</b> , 18, 98-104	6-3	6
42	Multiple Active Sites Carbonaceous Anodes for Na <sup>+</sup> Storage: Synthesis, Electrochemical Properties and Reaction Mechanism Analysis. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2007247	15.6	6
41	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
40	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
39	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

38	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
37	Boosting Redox-Active Sites of 1T MoS <sub>2</sub> 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
36	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
35	Multidimensional Hybrid Architecture Encapsulating Cobalt Oxide Nanoparticles into Carbon Nanotube Branched Nitrogen-Doped Reduced Graphene Oxide Networks for Lithium-Sulfur Batteries. <i>Energy and Environmental Materials</i> ,	13	5
34	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
33	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
32	Galvanically replaced artificial interfacial layer for highly reversible zinc metal anodes. <i>Applied Physics Reviews</i> , <b>2022</b> , 9, 011401	17.3	4
31	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
30	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
29	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
28	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
27	Electrochemical and structural evolution of structured V <sub>2</sub> O <sub>5</sub> microspheres during Li-ion intercalation. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 55, 108-113	12	4
26	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
25	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
24	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
23	Ionic liquid-dependent morphological changes of CdOx and ZnOx deposited on multiwalled carbon nanotubes. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 133, 1050-1054	4.4	3
22	Accelerated Li-ion transport through a zwitterion-anchored separator for high-performance LiS batteries. <i>Journal of Materials Chemistry A</i> ,	13	3
21	Study about the In-situ Synthesis and Structure Control of Multi-walled Carbon Nanotubes and their Nanocomposites. <i>Korean Chemical Engineering Research</i> , <b>2012</b> , 50, 729-732		3

20	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
19	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
18	Development of the Functionalized Nanocomposite Materials for Adsorption/Decontamination of Radioactive Pollutants. <i>Materials</i> , <b>2021</b> , 14,	3.5	3
17	Energy Storage: Reversibly Compressible, Highly Elastic, and Durable Graphene Aerogels for Energy Storage Devices under Limiting Conditions (Adv. Funct. Mater. 7/2015). <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 1159-1159	15.6	2
16	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
15	A New Era of Integrative Ice Frozen Assembly into Multiscale Architecturing of Energy Materials. <i>Advanced Functional Materials</i> , 2112509	15.6	2
14	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
13	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
12	Electrospun conductive carbon nanofiber hosts for stable zinc metal anode. <i>International Journal of Energy Research</i> ,	4.5	1
11	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
10	Enhanced electrical conductivity of doped graphene fiber via vacuum deposition. <i>Carbon Letters</i> , <b>2020</b> , 31, 613	2.3	1
9	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
8	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
7	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
6	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
5	Chemical modification of ordered/disordered carbon nanostructures for metal hosts and electrocatalysts of lithium-air batteries. <i>Informa Materly</i> , <b>2022</b> , 4,	23.1	1
4	Flexible Supercapacitor with a Pure DNA Gel Electrolyte. <i>Advanced Materials Interfaces</i> , 2200133	4.6	0
3	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	



- 2 Materials Science in HUST-SKKU Collaboration. *Advanced Functional Materials*, **2021**, 31, 2010926 15.6
- 1 Flexible Supercapacitor with a Pure DNA Gel Electrolyte (Adv. Mater. Interfaces 14/2022). *Advanced Materials Interfaces*, **2022**, 9, 202270081 4.6