Ho Seok Park

List of Publications by Year
in descending order

		19657	33894
249	12,777	61	99
papers	citations	h-index	g-index

259	259	259	15275
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent Advances in Carbonâ€Based Current Collectors/Hosts for Alkali Metal Anodes. Energy and Environmental Materials, 2023, 6, .	12.8	6
2	Sodiumâ€Coordinated Polymeric Phthalocyanines as Stable Highâ€Capacity Organic Anodes for Sodiumâ€Ion Batteries. Energy and Environmental Materials, 2023, 6, .	12.8	1
3	Multidimensional Hybrid Architecture Encapsulating Cobalt Oxide Nanoparticles into Carbon Nanotube Branched Nitrogenâ€Doped Reduced Graphene Oxide Networks for Lithiumâ€“Sulfur Batteries. Energy and Environmental Materials, 2022, 5, 555-564.	12.8	40
4	Redox Charge Transfer Kinetics and Reversibility of VO₂ in Aqueous and Nonâ€Aqueous Electrolytes of Naâ€Ion Storage. Energy and Environmental Materials, 2022, 5, 1222-1228.	12.8	4
5	Thermally conducting yet electrically insulating epoxy nanocomposites containing aluminum@electrochemically exfoliated graphene hybrid. Composites Part A: Applied Science and Manufacturing, 2022, 152, 106675.	7.6	10
6	Electrospun conductive carbon nanofiber hosts for stable zinc metal anode. International Journal of Energy Research, 2022, 46, 7201-7214.	4.5	11
7	Galvanically replaced artificial interfacial layer for highly reversible zinc metal anodes. Applied Physics Reviews, 2022, 9, .	11.3	40
8	Rhenium induced electronic structure modulation of Ni3S2/N-doped graphene for efficient trifunctional electrocatalysis. Composites Part B: Engineering, 2022, 234, 109670.	12.0	12
9	A New Era of Integrative Ice Frozen Assembly into Multiscale Architecturing of Energy Materials. Advanced Functional Materials, 2022, 32, .	14.9	21
10	Hierarchical CoSx/graphene/carbon nanotube hybrid architectures for bifunctional electrocatalysts in zinc-air battery. Journal of Industrial and Engineering Chemistry, 2022, 109, 413-421.	5.8	3
11	<scp>NiFe</scp> â€layered double hydroxide nanosheets grafted onto carbon nanotubes for functional separator of lithium sulfur batteries. International Journal of Energy Research, 2022, 46, 9634-9642.	4.5	9
12	Flexible Supercapacitor with a Pure DNA Gel Electrolyte. Advanced Materials Interfaces, 2022, 9, .	3.7	4
13	Chemical modification of ordered/disordered carbon nanostructures for metal hosts and electrocatalysts of <scp>lithiumâ€air</scp> batteries. InformaÄnÃ-MateriÃ¡ly, 2022, 4, .	17.3	25
14	Flexible Supercapacitor with a Pure DNA Gel Electrolyte (Adv. Mater. Interfaces 14/2022). Advanced Materials Interfaces, 2022, 9, .	3.7	0
15	Superstrong, superstiff, and conductive alginate hydrogels. Nature Communications, 2022, 13, .	12.8	112
16	Hierarchically structured silicon/graphene composites wrapped by interconnected carbon nanotube branches for <scp>lithiumâ€ion</scp> battery anodes. International Journal of Energy Research, 2022, 46, 15627-15638.	4.5	5
17	Recent progress of artificial interfacial layers in aqueous Zn metal batteries. EnergyChem, 2022, 4, 100076.	19.1	59
18	Graphiteâ€“graphene architecture for Zn-ion hybrid supercapacitor electrodes. Carbon Letters, 2022, 32, 1307-1313.	5.9	5

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19	RuCo alloys anchoring on hierarchical oxidized CNT architectures with boosted catalytic activity for water splitting. Electrochimica Acta, 2022, 427, 140874.	5.2	8
20	Extremely Foldable and Highly Porous Reduced Graphene Oxide Films for Shapeâ€Adaptive Triboelectric Nanogenerators. Small, 2021, 17, e1903089.	10.0	30
21	Electrochemical and structural evolution of structured V2O5 microspheres during Li-ion intercalation. Journal of Energy Chemistry, 2021, 55, 108-113.	12.9	19
22	2D spinel ZnCo2O4 microsheet-coated functional separator for promoted redox kinetics and inhibited polysulfide dissolution. Journal of Energy Chemistry, 2021, 55, 468-475.	12.9	20
23	Mesoporous VO2(B) nanorods deposited onto graphene architectures for enhanced rate capability and cycle life of Li ion battery cathodes. Journal of Alloys and Compounds, 2021, 855, 157361.	5.5	24
24	Interconnected networkâ€like single crystalline bimetallic carbonate hydroxide nanowires for high performance hybrid supercapacitors. International Journal of Energy Research, 2021, 45, 3064-3074.	4.5	20
25	Multiple Active Sites Carbonaceous Anodes for Na⁺ Storage: Synthesis, Electrochemical Properties and Reaction Mechanism Analysis. Advanced Functional Materials, 2021, 31, 2007247.	14.9	29
26	Bifunctional mesoporous CoO/nitrogenâ€incorporated graphene electrocatalysts for highâ€power and longâ€term stability of rechargeable zincâ€air batteries. International Journal of Energy Research, 2021, 45, 6698-6707.	4.5	12
27	Advanced Oxygen Electrocatalysis in Energy Conversion and Storage. Advanced Functional Materials, 2021, 31, 2007602.	14.9	86
28	Two-Dimensional Pseudocapacitive Nanomaterials for High-Energy- and High-Power-Oriented Applications of Supercapacitors. Accounts of Materials Research, 2021, 2, 86-96.	11.7	33
29	Emerging trends in anion storage materials for the capacitive and hybrid energy storage and beyond. Chemical Society Reviews, 2021, 50, 6734-6789.	38.1	93
30	<scp>3D</scp> flowerâ€like oxygenâ€deficient nonâ€stoichiometry zinc cobaltite for high performance hybrid supercapacitors. International Journal of Energy Research, 2021, 45, 10832-10842.	4.5	29
31	Structural Engineering of Ultrathin ReS₂ on Hierarchically Architectured Graphene for Enhanced Oxygen Reduction. ACS Nano, 2021, 15, 5560-5566.	14.6	24
32	Selectively Converting Carbon Dioxide to Syngas over Intermetallic AuCu Catalysts. ACS Sustainable Chemistry and Engineering, 2021, 9, 2609-2615.	6.7	22
33	Materials Science in HUSTâ€SKKU Collaboration. Advanced Functional Materials, 2021, 31, 2010926.	14.9	0
34	Mesoporous Rh nanoparticles as efficient electrocatalysts for hydrogen evolution reaction. Journal of Industrial and Engineering Chemistry, 2021, 96, 371-375.	5.8	15
35	Layered Double Hydroxide Quantum Dots for Use in a Bifunctional Separator of Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2021, 13, 17978-17987.	8.0	28
36	A Review of Polymer Composites Based on Carbon Fillers for Thermal Management Applications: Design, Preparation, and Properties. Polymers, 2021, 13, 1312.	4.5	39

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37	<scp>1D</scp> interconnected porous binary transition metal phosphide nanowires for high performance hybrid supercapacitors. International Journal of Energy Research, 2021, 45, 17005-17014.	4.5	15
38	Development of the Functionalized Nanocomposite Materials for Adsorption/Decontamination of Radioactive Pollutants. Materials, 2021, 14, 2896.	2.9	8
39	Electronically coupled layered double hydroxide/<scp>MXene</scp> quantum dot metallic hybrids for highâ€performance flexible zincâ€“air batteries. InformaÄnÃ-MateriÃ¡ly, 2021, 3, 1134-1144.	17.3	73
40	Nanowire architectured porous bimetallic transition metal oxides for high performance hybrid supercapacitor applications. International Journal of Energy Research, 2021, 45, 18091-18102.	4.5	16
41	Ultrafast and reversible anion storage of spinel nanoarchitecture for high-performance alkaline zinc full cells. Applied Physics Reviews, 2021, 8, .	11.3	10
42	Unveiling Trifunctional Active Sites of a Heteronanosheet Electrocatalyst for Integrated Cascade Battery/Electrolyzer Systems. ACS Energy Letters, 2021, 6, 2460-2468.	17.4	42
43	Hierarchical <scp> ReS ₂ </scp> / <scp>nitrogenâ€doped</scp> graphene hybrid nanoarchitectures for efficient oxygen reduction. International Journal of Energy Research, 2021, 45, 19586-19596.	4.5	2
44	Hierarchical Architectures Based on Ru Nanoparticles/Oxygenâ€Richâ€Carbon Nanotubes for Efficient Hydrogen Evolution. Chemistry - A European Journal, 2021, 27, 11150-11157.	3.3	13
45	Maximizing the enzyme immobilization of enzymatic glucose biofuel cells through hierarchically structured reduced graphene oxide. International Journal of Energy Research, 2021, 45, 20959-20969.	4.5	15
46	Synergistic integration of threeâ€dimensional architecture composed of twoâ€dimensional nanostructure ternary metal oxide for highâ€performance hybrid supercapacitors. International Journal of Energy Research, 2021, 45, 21170-21181.	4.5	9
47	Multiphase and Multicomponent Nickelâ€Iron Oxide Heterostructure as an Efficient Separator Modification Layer for Advanced Lithium Sulfur Batteries. Batteries and Supercaps, 2021, 4, 1843-1849.	4.7	10
48	Recent progress in emerging metal and covalent organic frameworks for electrochemical and functional capacitors. Journal of Materials Chemistry A, 2021, 9, 8832-8869.	10.3	37
49	Surface Redox-Active Organosulfur-Tethered Carbon Nanotubes for High Power and Long Cyclability of Naâ€“Organosulfur Hybrid Energy Storage. ACS Energy Letters, 2021, 6, 280-289.	17.4	20
50	Accelerated Li-ion transport through a zwitterion-anchored separator for high-performance Liâ€“S batteries. Journal of Materials Chemistry A, 2021, 9, 25463-25473.	10.3	19
51	Front Cover Image. InformaÄnÃ-MateriÃ¡ly, 2021, 3, .	17.3	0
52	Electrode materials for biomedical patchable and implantable energy storage devices. Energy Storage Materials, 2020, 24, 113-128.	18.0	44
53	Hierarchically open-porous nitrogen-incorporated carbon polyhedrons derived from metal-organic frameworks for improved CDI performance. Chemical Engineering Journal, 2020, 382, 122996.	12.7	84
54	Confinement of sulfur in the micropores of honeycomb-like carbon derived from lignin for lithium-sulfur battery cathode. Chemical Engineering Journal, 2020, 382, 122946.	12.7	61

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55	Perspective on the critical role of interface for advanced batteries. Journal of Energy Chemistry, 2020, 47, 217-220.	12.9	127
56	Sonochemical self-growth of functionalized titanium carbide nanorods on Ti3C2 nanosheets for high capacity anode for lithium-ion batteries. Composites Part B: Engineering, 2020, 181, 107583.	12.0	41
57	Interfacially Polymerized Polyamide Interlayer onto Ozonated Carbon Nanotube Networks for Improved Stability of Sulfur Cathodes. ChemSusChem, 2020, 13, 2471-2478.	6.8	5
58	Highly conducting, extremely durable, phosphorylated cellulose-based ionogels for renewable flexible supercapacitors. Energy Storage Materials, 2020, 25, 70-75.	18.0	68
59	Integrated Conductive Hybrid Architecture of Metalâ€“Organic Framework Nanowire Array on Polypyrrole Membrane for Allâ€Solidâ€State Flexible Supercapacitors. Advanced Energy Materials, 2020, 10, 1901892.	19.5	154
60	Rational design of two-dimensional nanomaterials for lithiumâ€“sulfur batteries. Energy and Environmental Science, 2020, 13, 1049-1075.	30.8	285
61	Electrochemical Activation of 2D MXeneâ€Based Hybrid for High Volumetric Mgâ€Ion Storage Capacitance. Batteries and Supercaps, 2020, 3, 354-360.	4.7	28
62	Construction of 1D-MoS2 nanorods/LiNb3O8 heterostructure for enhanced hydrogen evolution. Applied Materials Today, 2020, 18, 100536.	4.3	19
63	Solid Electrolyte Interphases: Ionicâ€Conducting and Robust Multilayered Solid Electrolyte Interphases for Greatly Improved Rate and Cycling Capabilities of Sodium Ion Full Cells (Adv. Energy Mater.) Tj ETQq1 1 0.784314 rgBT /Overlock	14.5	0
64	Enhanced electrical conductivity of doped graphene fiber via vacuum deposition. Carbon Letters, 2020, 31, 613.	5.9	4
65	Ionicâ€Conducting and Robust Multilayered Solid Electrolyte Interphases for Greatly Improved Rate and Cycling Capabilities of Sodium Ion Full Cells. Advanced Energy Materials, 2020, 10, 2001418.	19.5	44
66	Molybdenum oxynitride nanoparticles on nitrogen-doped CNT architectures for the oxygen evolution reaction. Nanoscale Advances, 2020, 2, 5659-5665.	4.6	7
67	Biomimetic composite architecture achieves ultrahigh rate capability and cycling life of sodium ion battery cathodes. Applied Physics Reviews, 2020, 7, .	11.3	15
68	Three-dimensionally macroporous nitrogen and boron co-doped graphene aerogels derived from polyaspartamide for supercapacitor electrodes. Materials Today Communications, 2020, 25, 101495.	1.9	7
69	Full Bulkâ€Structure Reconstruction into Amorphorized Cobaltâ€“Iron Oxyhydroxide Nanosheet Electrocatalysts for Greatly Improved Electrocatalytic Activity. Small Methods, 2020, 4, 2000546.	8.6	38
70	Bifunctional electrocatalysts based on hierarchical graphene/iron hybrid architectures branched by N-doped CNT. Journal of Alloys and Compounds, 2020, 846, 156244.	5.5	15
71	Coreâ€“Shell Structured MXene@Carbon Nanodots as Bifunctional Catalysts for Solar-Assisted Water Splitting. ACS Nano, 2020, 14, 17615-17625.	14.6	66
72	Boosting Redox-Active Sites of 1T MoS₂ Phase by Phosphorus-Incorporated Hierarchical Graphene Architecture for Improved Li Storage Performances. ACS Applied Materials & Interfaces, 2020, 12, 51329-51336.	8.0	16

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73	Thread like structured VO2 microspheres for improved lithium-ion storage kinetics and stability. Journal of Alloys and Compounds, 2020, 842, 155721.	5.5	9
74	Metalâ€“organic framework-derived cupric oxide polycrystalline nanowires for selective carbon dioxide electroreduction to C2 valuables. Journal of Materials Chemistry A, 2020, 8, 12418-12423.	10.3	38
75	Transport and Durability of Energy Storage Materials Operating at High Temperatures. ACS Nano, 2020, 14, 7696-7703.	14.6	27
76	Vertically Aligned NiCo₂S₄ Nanosheets Deposited on Nâ€Doped Graphene for Bifunctional and Durable Electrode of Overall Water Splitting. Advanced Materials Interfaces, 2020, 7, 2000138.	3.7	17
77	The influence of formation temperature on the solid electrolyte interphase of graphite in lithium ion batteries. Journal of Energy Chemistry, 2020, 49, 335-338.	12.9	55
78	Review on nanomaterials for nextâ€generation batteries with lithium metal anodes. Nano Select, 2020, 1, 94-110.	3.7	14
79	Perspective on Highâ€Energy Carbonâ€Based Supercapacitors. Energy and Environmental Materials, 2020, 3, 286-305.	12.8	124
80	2020 Roadmap on Carbon Materials for Energy Storage and Conversion. Chemistry - an Asian Journal, 2020, 15, 995-1013.	3.3	154
81	Facile Multivalent Redox Chemistries in Water-in-Bisalt Hydrogel Electrolytes for Hybrid Energy Storage Full Cells. ACS Energy Letters, 2020, 5, 1054-1061.	17.4	26
82	Anion-exchange phase control of manganese sulfide for oxygen evolution reaction. Journal of Materials Chemistry A, 2020, 8, 3901-3909.	10.3	37
83	Controlled growth and interaction of NiCo2S4 on conductive substrate for enhanced electrochemical performance. Journal of Power Sources, 2020, 451, 227763.	7.8	26
84	Nanostructured Carbon: Rational Design of Carbon Nanomaterials for Electrochemical Sodium Storage and Capture (Adv. Mater. 34/2019). Advanced Materials, 2019, 31, 1970239.	21.0	4
85	Nitrogen-doped nanoporous carbons derived from lignin for high CO2 capacity. Carbon Letters, 2019, 29, 289-296.	5.9	20
86	Hierarchically structured vanadium pentoxide/reduced graphene oxide composite microballs for lithium ion battery cathodes. Journal of Power Sources, 2019, 436, 226854.	7.8	22
87	Redox Tuning in Crystalline and Electronic Structure of Bimetalâ€“Organic Frameworks Derived Cobalt/Nickel Boride/Sulfide for Boosted Faradaic Capacitance. Advanced Materials, 2019, 31, e1905744.	21.0	158
88	Controllable oxygen-incorporated interlayer-expanded ReS₂ nanosheets deposited on hollow mesoporous carbon spheres for improved redox kinetics of Li-ion storage. Journal of Materials Chemistry A, 2019, 7, 22070-22078.	10.3	10
89	Ti-based electrode materials for electrochemical sodium ion storage and removal. Journal of Materials Chemistry A, 2019, 7, 22163-22188.	10.3	59
90	Two-dimensional nanomaterials as emerging pseudocapacitive materials. Korean Journal of Chemical Engineering, 2019, 36, 1557-1564.	2.7	13

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91	Controlling hierarchical porous structures of rice-husk-derived carbons for improved capacitive deionization performance. Environmental Science: Nano, 2019, 6, 916-924.	4.3	34
92	Renewable flexible supercapacitors based on all-lignin-based hydrogel electrolytes and nanofiber electrodes. Journal of Materials Chemistry A, 2019, 7, 16962-16968.	10.3	153
93	Alloy Anodes for Rechargeable Alkali-Metal Batteries: Progress and Challenge. , 2019, 1, 217-229.		135
94	Hierarchical and ultrathin copper nanosheets synthesized via galvanic replacement for selective electrocatalytic carbon dioxide conversion to carbon monoxide. Applied Catalysis B: Environmental, 2019, 255, 117736.	20.2	56
95	Chlorella-derived activated carbon with hierarchical pore structure for energy storage materials and adsorbents. Carbon Letters, 2019, 29, 167-175.	5.9	28
96	Rational Design of Carbon Nanomaterials for Electrochemical Sodium Storage and Capture. Advanced Materials, 2019, 31, e1803444.	21.0	103
97	Carambola-shaped SnO2 wrapped in carbon nanotube network for high volumetric capacity and improved rate and cycle stability of lithium ion battery. Chemical Engineering Journal, 2019, 369, 422-431.	12.7	75
98	Massâ€Produced Electrochemically Exfoliated Graphene for Ultrahigh Thermally Conductive Paper Using a Multimetal Electrode System. Advanced Materials Interfaces, 2019, 6, 1900095.	3.7	24
99	Hexagonal plate-like Niâ€“Coâ€“Mn hydroxide nanostructures to achieve high energy density of hybrid supercapacitors. Journal of Materials Chemistry A, 2019, 7, 11362-11369.	10.3	110
100	Hybridization design of materials and devices for flexible electrochemical energy storage. Energy Storage Materials, 2019, 19, 212-241.	18.0	163
101	Surface-Modified Sulfur Nanorods Immobilized on Radially Assembled Open-Porous Graphene Microspheres for Lithiumâ€Sulfur Batteries. ACS Nano, 2019, 13, 5163-5171.	14.6	88
102	Phase- and interlayer spacing-controlled cobalt hydroxides for high performance asymmetric supercapacitor applications. Journal of Power Sources, 2019, 422, 9-17.	7.8	56
103	Two-Dimensional Metallic Niobium Diselenide for Sub-micrometer-Thin Antennas in Wireless Communication Systems. ACS Nano, 2019, 13, 14114-14121.	14.6	28
104	Cobalt vanadate nanoparticles as bifunctional oxygen electrocatalysts for rechargeable seawater batteries. Journal of Industrial and Engineering Chemistry, 2019, 72, 250-254.	5.8	19
105	Rational Design of Hierarchically Openâ€Porous Spherical Hybrid Architectures for Lithiumâ€Ion Batteries. Advanced Energy Materials, 2019, 9, 1802816.	19.5	48
106	Extreme properties of double networked ionogel electrolytes for flexible and durable energy storage devices. Energy Storage Materials, 2019, 19, 197-205.	18.0	54
107	MXene/Polymer Hybrid Materials for Flexible AC-Filtering Electrochemical Capacitors. Joule, 2019, 3, 164-176.	24.0	250
108	Revealing molecular-level surface redox sites of controllably oxidized black phosphorus nanosheets. Nature Materials, 2019, 18, 156-162.	27.5	215

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109	Porous interconnected NiCo2O4 nanosheets and nitrogen- and sulfur-codoped reduced graphene oxides for high-performance hybrid supercapacitors. Journal of Alloys and Compounds, 2019, 781, 515-523.	5.5	30
110	Recent Progress on Transition Metal Oxides as Bifunctional Catalysts for Lithiumâ€Air and Zincâ€Air Batteries. Batteries and Supercaps, 2019, 2, 336-347.	4.7	173
111	Materials and Device Constructions for Aqueous Lithiumâ€“Sulfur Batteries. Advanced Functional Materials, 2018, 28, 1707593.	14.9	38
112	Bulk metal-derived metal oxide nanoparticles on oxidized carbon surface. Journal of Alloys and Compounds, 2018, 752, 198-205.	5.5	1
113	Emergent Pseudocapacitance of 2D Nanomaterials. Advanced Energy Materials, 2018, 8, 1702930.	19.5	226
114	10⁵ Cyclable Pseudocapacitive Na-Ion Storage of Hierarchically Structured Phosphorus-Incorporating Nanoporous Carbons in Organic Electrolytes. ACS Energy Letters, 2018, 3, 724-732.	17.4	68
115	Controlled synthesis of hierarchical nanoflake structure of NiO thin film for supercapacitor application. Journal of Alloys and Compounds, 2018, 741, 549-556.	5.5	63
116	Pseudocapacitance: Emergent Pseudocapacitance of 2D Nanomaterials (Adv. Energy Mater. 13/2018). Advanced Energy Materials, 2018, 8, 1870058.	19.5	10
117	Highly flexible pseudocapacitors of phosphorus-incorporated porous reduced graphene oxide films. Journal of Power Sources, 2018, 390, 93-99.	7.8	39
118	CoO nanoparticles deposited on 3D macroporous ozonized RGO networks for high rate capability and ultralong cyclability of pseudocapacitors. Ceramics International, 2018, 44, 980-987.	4.8	41
119	Straightforward and controllable synthesis of heteroatom-doped carbon dots and nanoporous carbons for surface-confined energy and chemical storage. Energy Storage Materials, 2018, 12, 331-340.	18.0	58
120	Restacking-inhibited nitrogen-incorporated mesoporous reduced graphene oxides for high energy supercapacitors. Ceramics International, 2018, 44, 3195-3200.	4.8	16
121	Hybrid doubleâ€network hydrogel based on poly(aspartic acid) and poly(acryl amide) with improved mechanical properties. Journal of Applied Polymer Science, 2018, 135, 45925.	2.6	11
122	Spray-drying assisted synthesis of a Li4Ti5O12/C composite for high rate performance lithium ion batteries. Ceramics International, 2018, 44, 2683-2690.	4.8	23
123	Capacitive deionization of saline water using sandwich-like nitrogen-doped graphene composites via a self-assembling strategy. Environmental Science: Nano, 2018, 5, 2722-2730.	4.3	118
124	A functional separator coated with sulfonated metalâ€“organic framework/Nafion hybrids for Liâ€“S batteries. Journal of Materials Chemistry A, 2018, 6, 24971-24978.	10.3	93
125	Ultralight and compressible mussel-inspired dopamine-conjugated poly(aspartic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 102 T	3.7	6
126	Controllable synthesis of nanohorn-like architectured cobalt oxide for hybrid supercapacitor application. Journal of Power Sources, 2018, 402, 147-156.	7.8	85

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127	Iron Oxide Nanoparticleâ€Encapsulated CNT Branches Grown on 3D Ozonated CNT Internetworks for Lithiumâ€Ion Battery Anodes. Advanced Functional Materials, 2018, 28, 1801746.	14.9	51
128	Hyperactive iron carbide@N-doped reduced graphene oxide/carbon nanotube hybrid architecture for rapid CO hydrogenation. Journal of Materials Chemistry A, 2018, 6, 11134-11139.	10.3	12
129	Stabilizing NiCo₂O₄ hybrid architectures by reduced graphene oxide interlayers for improved cycling stability of hybrid supercapacitors. Journal of Materials Chemistry A, 2018, 6, 22106-22114.	10.3	88
130	Improving energy density of supercapacitors using heteroatom-incorporated three-dimensional macro-porous graphene electrodes and organic electrolytes. Journal of Power Sources, 2018, 399, 83-88.	7.8	33
131	Microwave synthesis of SnO2 nanocrystals decorated on the layer-by-layer reduced graphene oxide for an application into lithium ion battery anode. Journal of Alloys and Compounds, 2017, 702, 636-643.	5.5	21
132	CNT branching of three-dimensional steam-activated graphene hybrid frameworks for excellent rate and cyclic capabilities to store lithium ions. Carbon, 2017, 116, 500-509.	10.3	27
133	Biomimetic Spiderâ€Webâ€Like Composites for Enhanced Rate Capability and Cycle Life of Lithium Ion Battery Anodes. Advanced Energy Materials, 2017, 7, 1700331.	19.5	60
134	Enhanced activity and durability of the oxygen reduction catalysts supported on the surface expanded tubular-type carbon nanofiber. Applied Catalysis B: Environmental, 2017, 217, 192-200.	20.2	5
135	Hierarchical structured, nitrogen-incorporated graphene aerogel for high performance supercapacitor. Macromolecular Research, 2017, 25, 1043-1048.	2.4	11
136	Electron-spun 2D MoS2-decorated carbon nanofibers as pseudocapacitive electrode material into lithium ion battery. Journal of Alloys and Compounds, 2017, 728, 767-772.	5.5	15
137	Lithiumâ€Ion Batteries: Biomimetic Spiderâ€Webâ€Like Composites for Enhanced Rate Capability and Cycle Life of Lithium Ion Battery Anodes (Adv. Energy Mater. 17/2017). Advanced Energy Materials, 2017, 7, .	19.5	1
138	Carbon nanotubes branched on three-dimensional, nitrogen-incorporated reduced graphene oxide/iron oxide hybrid architecturesÂfor lithium ion battery anode. Journal of Alloys and Compounds, 2017, 726, 88-94.	5.5	26
139	Hierarchically structured graphene-carbon nanotube-cobalt hybrid electrocatalyst for seawater battery. Journal of Power Sources, 2017, 372, 31-37.	7.8	25
140	Graphene-based materials for capacitive deionization. Journal of Materials Chemistry A, 2017, 5, 13907-13943.	10.3	242
141	Self-healable mussel-mimetic nanocomposite hydrogel based on catechol-containing polyaspartamide and graphene oxide. Materials Science and Engineering C, 2016, 69, 160-170.	7.3	36
142	Nanoflakes Decorated Hollow Mesoporous Co3O4 Superstructures for Electrochemical Capacitors. Journal of Nanoscience and Nanotechnology, 2016, 16, 12546-12554.	0.9	4
143	The confinement of SnO2nanocrystals into 3D RGO architectures for improved rate and cyclic performance of LIB anode. CrystEngComm, 2016, 18, 6049-6054.	2.6	15
144	Cartilage-inspired superelastic ultradurable graphene aerogels prepared by the selective gluing of intersheet joints. Nanoscale, 2016, 8, 12900-12909.	5.6	35

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145	Charge Storage: Transition from Diffusion-Controlled Intercalation into Extrinsically Pseudocapacitive Charge Storage of MoS2 by Nanoscale Heterostructuring (Adv. Energy Mater. 1/2016). Advanced Energy Materials, 2016, 6, .	19.5	0
146	Transition from Diffusionâ€Controlled Intercalation into Extrinsically Pseudocapacitive Charge Storage of MoS₂ by Nanoscale Heterostructuring. Advanced Energy Materials, 2016, 6, 1501115.	19.5	185
147	Metersâ€Long Flexible CoNiO₂â€Nanowires@Carbonâ€Fibers Based Wireâ€Supercapacitors for Wearable Electronics. Advanced Materials Technologies, 2016, 1, 1600142.	5.8	69
148	Omnidirectionally Stretchable and Transparent Graphene Electrodes. ACS Nano, 2016, 10, 9446-9455.	14.6	94
149	Phase-Controlled Iron Oxide Nanobox Deposited on Hierarchically Structured Graphene Networks for Lithium Ion Storage and Photocatalysis. Scientific Reports, 2016, 6, 19959.	3.3	26
150	Highâ€Performance Mesostructured Organic Hybrid Pseudocapacitor Electrodes. Advanced Functional Materials, 2016, 26, 903-910.	14.9	63
151	Compositional dependence of the alignment of three-dimensionally macroporous architectures assembled by two-dimensional hybrid nanosheets. Journal of Alloys and Compounds, 2016, 677, 171-177.	5.5	3
152	Electrochemical assembly of reduced graphene oxide/manganese dioxide nanocomposites into hierarchical sea urchin-like structures for supercapacitive electrodes. Journal of Alloys and Compounds, 2016, 668, 146-151.	5.5	26
153	Sulfur and phosphorus co-doping of hierarchically porous graphene aerogels for enhancing supercapacitor performance. Carbon, 2016, 101, 49-56.	10.3	275
154	Multiscale textured, ultralight graphene monoliths for enhanced CO2 and SO2 adsorption capacity. Fuel, 2016, 174, 36-42.	6.4	41
155	Synthesis and characterization of electrospun PAN/2D MoS 2 composite nanofibers. Journal of Industrial and Engineering Chemistry, 2016, 34, 61-65.	5.8	15
156	Ice-templated three dimensional nitrogen doped graphene for enhanced supercapacitor performance. Journal of Power Sources, 2016, 303, 372-378.	7.8	124
157	Sorption behavior of slightly reduced, three-dimensionally macroporous graphene oxides for physical loading of oils and organic solvents. Carbon Letters, 2016, 18, 24-29.	5.9	2
158	Three-dimensionally macroporous, Si and N-incorporated graphene aerogels for gas adsorbents. Materials Express, 2015, 5, 463-469.	0.5	13
159	Recent Progress in Flexible Electrochemical Capacitors: Electrode Materials, Device Configuration, and Functions. Advanced Energy Materials, 2015, 5, 1500959.	19.5	208
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