

# Cheng-Meng Chen

## List of Publications by Citations

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199  
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ext. papers

14,537  
ext. citations

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L-index

#	Paper	IF	Citations
199	Powering Lithium-Sulfur Battery Performance by Propelling Polysulfide Redox at Sulfiphilic Hosts. <i>Nano Letters</i> , <b>2016</b> , 16, 519-27	11.5	1055
198	Self-Assembled Free-Standing Graphite Oxide Membrane. <i>Advanced Materials</i> , <b>2009</b> , 21, 3007-3011	24	788
197	Low-temperature exfoliated graphenes: vacuum-promoted exfoliation and electrochemical energy storage. <i>ACS Nano</i> , <b>2009</b> , 3, 3730-6	16.7	633
196	Permselective graphene oxide membrane for highly stable and anti-self-discharge lithium-sulfur batteries. <i>ACS Nano</i> , <b>2015</b> , 9, 3002-11	16.7	605
195	Biomass-derived porous carbon materials with different dimensions for supercapacitor electrodes: a review. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 16028-16045	13	400
194	Electronic Structure Tuning in NiFeN/r-GO Aerogel toward Bifunctional Electrocatalyst for Overall Water Splitting. <i>ACS Nano</i> , <b>2018</b> , 12, 245-253	16.7	347
193	Structural evolution during annealing of thermally reduced graphene nanosheets for application in supercapacitors. <i>Carbon</i> , <b>2012</b> , 50, 3572-3584	10.4	312
192	Hierarchical porous carbon microtubes derived from willow catkins for supercapacitor applications. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 1637-1646	13	308
191	Rational Integration of Polypropylene/Graphene Oxide/Nafion as Ternary-Layered Separator to Retard the Shuttle of Polysulfides for Lithium-Sulfur Batteries. <i>Small</i> , <b>2016</b> , 12, 381-9	11	267
190	Aromatic sulfide, sulfoxide, and sulfone mediated mesoporous carbon monolith for use in supercapacitor. <i>Nano Energy</i> , <b>2012</b> , 1, 624-630	17.1	248
189	Porous TiO Nanotubes with Spatially Separated Platinum and CoO Cocatalysts Produced by Atomic Layer Deposition for Photocatalytic Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 816-820	16.4	245
188	Hierarchically aminated graphene honeycombs for electrochemical capacitive energy storage. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 14076		239
187	Annealing a graphene oxide film to produce a free standing high conductive graphene film. <i>Carbon</i> , <b>2012</b> , 50, 659-667	10.4	236
186	Entrapment of sulfur in hierarchical porous graphene for lithium-sulfur batteries with high rate performance from 40 to 60°C. <i>Nano Energy</i> , <b>2013</b> , 2, 314-321	17.1	204
185	Thermally reduced graphene oxide films as flexible lateral heat spreaders. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 16563-16568	13	198
184	Macroporous 'bubble' graphene film via template-directed ordered-assembly for high rate supercapacitors. <i>Chemical Communications</i> , <b>2012</b> , 48, 7149-51	5.8	193
183	Seaweed-Derived Route to Fe <sub>2</sub> O <sub>3</sub> Hollow Nanoparticles/N-Doped Graphene Aerogels with High Lithium Ion Storage Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 7047-53	9.5	157

182	Interconnected carbon nanotube/graphene nanosphere scaffolds as free-standing paper electrode for high-rate and ultra-stable lithium-sulfur batteries. <i>Nano Energy</i> , <b>2015</b> , 11, 746-755	17.1	154
181	Hierarchical Graphene-Carbon Fiber Composite Paper as a Flexible Lateral Heat Spreader. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 4222-4228	15.6	145
180	Prolifera-Green-Tide as Sustainable Source for Carbonaceous Aerogels with Hierarchical Pore to Achieve Multiple Energy Storage. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 8487-8495	15.6	143
179	A novel asymmetric supercapacitor with an activated carbon cathode and a reduced graphene oxide-cobalt oxide nanocomposite anode. <i>Journal of Power Sources</i> , <b>2013</b> , 242, 148-156	8.9	138
178	Highly stable supercapacitors with MOF-derived Co <sub>9</sub> S <sub>8</sub> /carbon electrodes for high rate electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 12453-12461	13	135
177	Three-dimensional hierarchically ordered porous carbons with partially graphitic nanostructures for electrochemical capacitive energy storage. <i>ChemSusChem</i> , <b>2012</b> , 5, 563-71	8.3	132
176	Scalable and Cost-Effective Synthesis of Highly Efficient Fe <sub>2</sub> N-Based Oxygen Reduction Catalyst Derived from Seaweed Biomass. <i>Small</i> , <b>2016</b> , 12, 1295-301	11	131
175	Graphene Oxide: A Convenient Metal-Free Carbocatalyst for Facilitating Aerobic Oxidation of 5-Hydroxymethylfurfural into 2, 5-Diformylfuran. <i>ACS Catalysis</i> , <b>2015</b> , 5, 5636-5646	13.1	125
174	Tuning the Shell Number of Multishelled Metal Oxide Hollow Fibers for Optimized Lithium-Ion Storage. <i>ACS Nano</i> , <b>2017</b> , 11, 6186-6193	16.7	114
173	Advanced visible-light-driven photocatalyst BiOBr/BiO <sub>2</sub> /graphene composite with graphene as a nano-filler. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 4667	13	113
172	Binder-free graphene and manganese oxide coated carbon felt anode for high-performance microbial fuel cell. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 81, 32-38	11.8	112
171	Graphene-supported Au-Pd bimetallic nanoparticles with excellent catalytic performance in selective oxidation of methanol to methyl formate. <i>Chemical Communications</i> , <b>2013</b> , 49, 8250-2	5.8	111
170	Self-Assembled 3D Graphene-Based Aerogel with Co <sub>3</sub> O <sub>4</sub> Nanoparticles as High-Performance Asymmetric Supercapacitor Electrode. <i>ChemSusChem</i> , <b>2015</b> , 8, 2917-26	8.3	110
169	Nanoscale engineering of nitrogen-doped carbon nanofiber aerogels for enhanced lithium ion storage. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 8247-8254	13	101
168	Reduced graphene oxide: a metal-free catalyst for aerobic oxidative desulfurization. <i>Green Chemistry</i> , <b>2017</b> , 19, 1175-1181	10	99
167	Dual-heteroatom-modified ordered mesoporous carbon: Hydrothermal functionalization, structure, and its electrochemical performance. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 4963		99
166	Layered NiCo <sub>2</sub> O <sub>4</sub> /reduced graphene oxide composite as an advanced electrode for supercapacitor. <i>Energy Storage Materials</i> , <b>2017</b> , 8, 59-67	19.4	88
165	Graphene oxide for cellulose hydrolysis: how it works as a highly active catalyst?. <i>Chemical Communications</i> , <b>2014</b> , 50, 3439-42	5.8	88

164	Highly Porous FeS/Carbon Fibers Derived from Fe-Carrageenan Biomass: High-capacity and Durable Anodes for Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 17175-17182	9.5	86
163	Suppressing Fe <sup>II</sup> Antisite Defects in LiFePO <sub>4</sub> /Carbon Hybrid Microtube to Enhance the Lithium Ion Storage. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1601549	21.8	82
162	Graphene Oxide Catalyzed Dehydration of Fructose into 5-Hydroxymethylfurfural with Isopropanol as Cosolvent. <i>ChemCatChem</i> , <b>2014</b> , 6, 728-732	5.2	81
161	Electrophoretic deposition and thermal annealing of a graphene oxide thin film on carbon fiber surfaces. <i>Carbon</i> , <b>2013</b> , 52, 613-616	10.4	78
160	Graphene Oxide: An Efficient Acid Catalyst for Alcoholysis and Esterification Reactions. <i>ChemCatChem</i> , <b>2014</b> , 6, 3080-3083	5.2	77
159	Boosting hydrogen evolution via optimized hydrogen adsorption at the interface of CoP <sub>3</sub> and Ni <sub>2</sub> P. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 5560-5565	13	76
158	3D Sulfur and Nitrogen Codoped Carbon Nanofiber Aerogels with Optimized Electronic Structure and Enlarged Interlayer Spacing Boost Potassium-Ion Storage. <i>Small</i> , <b>2019</b> , 15, e1900816	11	71
157	Sub-1.5 nm Ultrathin CoP Nanosheet Aerogel: Efficient Electrocatalyst for Hydrogen Evolution Reaction at All pH Values. <i>Small</i> , <b>2018</b> , 14, e1802824	11	70
156	Oxygen Reduction Reaction on Graphene in an Electro-Fenton System: In Situ Generation of H <sub>2</sub> O <sub>2</sub> for the Oxidation of Organic Compounds. <i>ChemSusChem</i> , <b>2016</b> , 9, 1194-9	8.3	67
155	A sulfur host based on cobalt-graphitic carbon nanocages for high performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 24901-24908	13	67
154	Influence of phosphorus doping on surface chemistry and capacitive behaviors of porous carbon electrode. <i>Electrochimica Acta</i> , <b>2018</b> , 266, 420-430	6.7	63
153	Direct synthesis of 2,5-diformylfuran from fructose with graphene oxide as a bifunctional and metal-free catalyst. <i>Green Chemistry</i> , <b>2016</b> , 18, 2302-2307	10	63
152	Structural Evolution of Phosphorus Species on Graphene with a Stabilized Electrochemical Interface. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 11421-11430	9.5	60
151	A new approach to fabricate graphene electro-conductive networks on natural fibers by ultraviolet curing method. <i>Synthetic Metals</i> , <b>2014</b> , 193, 41-47	3.6	53
150	High photoelectrocatalytic performance of a MoS <sub>2</sub> /Bi <sub>2</sub> C hybrid structure for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 4657	13	52
149	Ultrafine FeSe nanoparticles embedded into 3D carbon nanofiber aerogels with FeSe/Carbon interface for efficient and long-life sodium storage. <i>Carbon</i> , <b>2019</b> , 143, 106-115	10.4	52
148	Single-crystalline (Fe <sub>x</sub> Ni <sub>1-x</sub> ) <sub>2</sub> P nanosheets with dominant {011} facets: Efficient electrocatalysts for hydrogen evolution reaction at all pH values. <i>Nano Energy</i> , <b>2019</b> , 56, 813-822	17.1	51
147	Nitrogen-doped hierarchical porous carbon derived from block copolymer for supercapacitor. <i>Energy Storage Materials</i> , <b>2016</b> , 3, 140-148	19.4	50

146	Crumpled reduced graphene oxide by flame-induced reduction of graphite oxide for supercapacitive energy storage. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 5730-5737	13	48
145	Boosting Sodium-Ion Storage by Encapsulating NiS (CoS) Hollow Nanoparticles into Carbonaceous Fibers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 40531-40539	9.5	48
144	Nitrogen and Sulfur Vacancies in Carbon Shell to Tune Charge Distribution of Co <sub>6</sub> Ni <sub>3</sub> S <sub>8</sub> Core and Boost Sodium Storage. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1904147	21.8	47
143	Graphene oxide: an effective acid catalyst for the synthesis of polyoxymethylene dimethyl ethers from methanol and trioxymethylene. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 993-997	5.5	47
142	Layered NiO/reduced graphene oxide composites by heterogeneous assembly with enhanced performance as high-performance asymmetric supercapacitor cathode. <i>RSC Advances</i> , <b>2016</b> , 6, 46548-46557	2.7	46
141	Reduced graphene oxide supported Ni-Ce catalysts for CO <sub>2</sub> methanation: The support and ceria promotion effects. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2019</b> , 34, 676-687	7.6	45
140	Oxygenophilic ionic liquids promote the oxygen reduction reaction in Pt-free carbon electrocatalysts. <i>Materials Horizons</i> , <b>2017</b> , 4, 895-899	14.4	45
139	Construction of C-Si heterojunction interface in SiC whisker/reduced graphene oxide aerogels for improving microwave absorption. <i>Carbon</i> , <b>2020</b> , 164, 59-68	10.4	44
138	Easy one-step synthesis of N-doped graphene for supercapacitors. <i>Energy Storage Materials</i> , <b>2016</b> , 2, 69-75	19.4	44
137	Effect of pore structure and doping species on charge storage mechanisms in porous carbon-based supercapacitors. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 2610-2634	7.8	43
136	Constructing NiP/NiP Heterostructures to Boost Interfacial Polarization for Enhanced Microwave Absorption Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 52208-52220	9.5	41
135	Nanoconfinement of red phosphorus nanoparticles in seaweed-derived hierarchical porous carbonaceous fibers for enhanced lithium ion storage. <i>Chemical Engineering Journal</i> , <b>2018</b> , 345, 604-610	14.7	41
134	Hollow carbon microtubes from kapok fiber: structural evolution and energy storage performance. <i>Sustainable Energy and Fuels</i> , <b>2018</b> , 2, 455-465	5.8	41
133	Controllable synthesis of Co <sub>3</sub> N catalysts derived from Co/Zn-ZIF-67 for electrocatalytic oxygen reduction in acidic electrolytes. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 21884-21891	13	40
132	Fluidized-bed CVD of unstacked double-layer templated graphene and its application in supercapacitors. <i>AIChE Journal</i> , <b>2015</b> , 61, 747-755	3.6	40
131	Resorcinol-formaldehyde based carbon aerogel: Preparation, structure and applications in energy storage devices. <i>Microporous and Mesoporous Materials</i> , <b>2019</b> , 279, 293-315	5.3	39
130	Facile synthesis of self-assembled ultrathin FeOOH nanorod/graphene oxide composites for supercapacitors. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 504, 593-602	9.3	38
129	Synthesis of MoSe <sub>2</sub> /Reduced graphene oxide composites with improved tribological properties for oil-based additives. <i>Crystal Research and Technology</i> , <b>2014</b> , 49, 204-211	1.3	38

128	ENi(OH) <sub>2</sub> Nanosheet Arrays Grown on Biomass-Derived Hollow Carbon Microtubes for High-Performance Asymmetric Supercapacitors. <i>ChemElectroChem</i> , <b>2018</b> , 5, 1279-1287	4.3	37
127	Chemically derived graphene/metal oxide hybrids as electrodes for electrochemical energy storage: pre-graphenization or post-graphenization?. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 13947		37
126	Air cathode of zinc-air batteries: a highly efficient and durable aerogel catalyst for oxygen reduction. <i>Nanoscale</i> , <b>2019</b> , 11, 826-832	7.7	36
125	Porous NiCo <sub>2</sub> O <sub>4</sub> nanowires supported on carbon cloth for flexible asymmetric supercapacitor with high energy density. <i>Journal of Energy Chemistry</i> , <b>2018</b> , 27, 195-202	12	36
124	Aerobic selective oxidation of 5-hydroxymethyl-furfural over nitrogen-doped graphene materials with 2,2,6,6-tetramethylpiperidin-oxyl as co-catalyst. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 2377-2386	5.5	35
123	Three-dimensional paper-like graphene framework with highly orientated laminar structure as binder-free supercapacitor electrode. <i>Journal of Energy Chemistry</i> , <b>2016</b> , 25, 49-54	12	35
122	3D graphene/ carbon nanotubes/ polydimethylsiloxane composites as high-performance electromagnetic shielding material in X-band. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2020</b> , 129, 105712	8.4	35
121	Turning gelidium amansii residue into nitrogen-doped carbon nanofiber aerogel for enhanced multiple energy storage. <i>Carbon</i> , <b>2018</b> , 137, 31-40	10.4	35
120	Hard Carbon Anodes for Next-Generation Li-Ion Batteries: Review and Perspective. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2101650	21.8	35
119	Probing the intrinsic active sites of modified graphene oxide for aerobic benzylic alcohol oxidation. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 211, 89-97	21.8	34
118	Semi-Immobilized Molecular Electrocatalysts for High-Performance Lithium-Sulfur Batteries. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 19865-19872	16.4	33
117	Toward Aerogel Electrodes of Superior Rate Performance in Supercapacitors through Engineered Hollow Nanoparticles of NiCoO. <i>Advanced Science</i> , <b>2017</b> , 4, 1700345	13.6	32
116	Intercalation structure of vanadium nitride nanoparticles growing on graphene surface toward high negative active material for supercapacitor utilization. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 781, 10541058	5.7	32
115	Architecture of Co-layered double hydroxide nanocages/graphene composite electrode with high electrochemical performance for supercapacitor. <i>Journal of Energy Chemistry</i> , <b>2018</b> , 27, 507-512	12	31
114	Experimental investigation of the heat transfer performance of an oscillating heat pipe with graphene nanofluids. <i>Powder Technology</i> , <b>2018</b> , 332, 371-380	5.2	31
113	Green synthesis of reduced graphene oxide paper using Zn powder for supercapacitors. <i>Materials Letters</i> , <b>2015</b> , 157, 273-276	3.3	30
112	Carbocatalyst in biorefinery: Selective etherification of 5-hydroxymethylfurfural to 5,5-(oxy-bis(methylene)bis-2-furfural over graphene oxide. <i>Catalysis Communications</i> , <b>2015</b> , 59, 127-130	3.2	30
111	Bamboo-like N-doped carbon tubes encapsulated CoNi nanospheres towards efficient and anticorrosive microwave absorbents. <i>Carbon</i> , <b>2021</b> , 171, 142-153	10.4	30

110	Phosphorus-modified porous carbon aerogel microspheres as high volumetric energy density electrode for supercapacitor. <i>Electrochimica Acta</i> , <b>2019</b> , 318, 151-160	6.7	29
109	Structure evolution of oxygen removal from porous carbon for optimizing supercapacitor performance. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 51, 396-404	12	28
108	Filling the Gaps between Graphene Oxide: A General Strategy toward Nanolayered Oxides. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 5683-5690	15.6	27
107	Redox mediator assists electron transfer in lithium-sulfur batteries with sulfurized polyacrylonitrile cathodes. <i>EcoMat</i> , <b>2021</b> , 3, e12066	9.4	27
106	3D Thermally Cross-Linked Graphene Aerogel-Enhanced Silicone Rubber Elastomer as Thermal Interface Material. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1900147	4.6	26
105	Reduction of graphene oxide in Li-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 18360-18364	13	26
104	Porous CoP nanostructure electrocatalyst derived from DUT-58 for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 13904-13910	6.7	26
103	Graphene enhanced low-density polyethylene by pretreatment and melt compounding. <i>RSC Advances</i> , <b>2016</b> , 6, 101492-101500	3.7	25
102	Nitrogen-functionalized reduced graphene oxide as carbocatalysts with enhanced activity for polyaromatic hydrocarbon hydrogenation. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 1217-1226	5.5	24
101	Vanadium-oxo immobilized onto Schiff base modified graphene oxide for efficient catalytic oxidation of 5-hydroxymethylfurfural and furfural into maleic anhydride. <i>RSC Advances</i> , <b>2016</b> , 6, 101277-101282	3.7	24
100	The nanostructure preservation of 3D porous graphene: New insights into the graphitization and surface chemistry of non-stacked double-layer templated graphene after high-temperature treatment. <i>Carbon</i> , <b>2016</b> , 103, 36-44	10.4	24
99	Alginate/r-GO assisted synthesis of ultrathin LiFePO <sub>4</sub> nanosheets with oriented (0 1 0) facet and ultralow antisite defect. <i>Chemical Engineering Journal</i> , <b>2018</b> , 351, 340-347	14.7	23
98	A facile method for the synthesis of graphene-like 2D metal oxides and their excellent catalytic application in the hydrogenation of nitroarenes. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 9948-9961	13	22
97	Flexible carbon nanofiber mats with improved graphitic structure as scaffolds for efficient all-solid-state supercapacitor. <i>Electrochimica Acta</i> , <b>2017</b> , 247, 1060-1071	6.7	22
96	Tuning the physico-chemical properties of BiOBr via solvent adjustment: towards an efficient photocatalyst for water treatment. <i>CrystEngComm</i> , <b>2019</b> , 21, 1750-1757	3.3	21
95	Nanoscale engineering MoP/Fe <sub>2</sub> P/RGO toward efficient electrocatalyst for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 13939-13945	6.7	21
94	From Starch to Carbon Materials: Insight into the Cross-Linking Reaction and Its Influence on the Carbonization Process. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 14796-14804	8.3	21
93	New insights into Li <sub>2</sub> S <sub>2</sub> /Li <sub>2</sub> S adsorption on the graphene bearing single vacancy: A DFT study. <i>Applied Surface Science</i> , <b>2020</b> , 503, 144446	6.7	21

92	A high energy density asymmetric supercapacitor based on a CoNi-layered double hydroxide and activated carbon. <i>New Carbon Materials</i> , <b>2016</b> , 31, 37-45	4.4	20
91	Dual-functional graphene/carbon nanotubes thick film: Bidirectional thermal dissipation and electromagnetic shielding. <i>Carbon</i> , <b>2021</b> , 171, 329-340	10.4	20
90	2D Layered Fe <sub>2</sub> O <sub>3</sub> /rGO Flexible Electrode Prepared through Colloidal Electrostatic Self-Assembly. <i>ChemElectroChem</i> , <b>2017</b> , 4, 1990-1996	4.3	19
89	Free-standing, anti-corrosion, super flexible graphene oxide/silver nanowire thin films for ultra-wideband electromagnetic interference shielding. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 1180-1191	13.91	19
88	Self-standing hard carbon anode derived from hyper-linked nanocellulose with high cycling stability for lithium-ion batteries. <i>EcoMat</i> , <b>2021</b> , 3, e12091	9.4	19
87	Generating lithium vacancies through delithiation of Li(NixCoyMnz)O <sub>2</sub> towards bifunctional electrocatalysts for rechargeable zinc-air batteries. <i>Energy Storage Materials</i> , <b>2018</b> , 15, 202-208	19.4	18
86	Accessible 3D Integrative Paper Electrode Shapes: All-Carbon Dual-Ion Batteries with Optimum Packaging Performances. <i>ChemElectroChem</i> , <b>2017</b> , 4, 3238-3243	4.3	18
85	Creation of Ge-Nx-Cy Configures in Carbon Nanotubes: Origin of Enhanced Electrocatalytic Performance for Oxygen Reduction Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 10383-91	9.5	18
84	Theoretical Study on the Quantum Capacitance Origin of Graphene Cathodes in Lithium Ion Capacitors. <i>Catalysts</i> , <b>2018</b> , 8, 444	4	18
83	Highly active AuPd nanoparticles supported on three-dimensional graphene/carbon nanotube hybrid for selective oxidation of methanol to methyl formate. <i>RSC Advances</i> , <b>2015</b> , 5, 44835-44839	3.7	17
82	Microstructure and mechanical properties of in situ TiB <sub>2</sub> /7055 composites synthesized by direct magnetochemistry melt reaction. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2013</b> , 23, 2502-2508	3.3	17
81	Preparation of SiC whiskers using graphene and rice husk ash and its photocatalytic property. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 833, 155072	5.7	17
80	Titanium <sub>2</sub> O <sub>3</sub> cluster reinforced gel polymer electrolyte enabling lithium/sulfur batteries with high gravimetric energy densities. <i>Energy and Environmental Science</i> , <b>2021</b> , 14, 975-985	35.4	17
79	High Yield Silicon Carbide Whiskers from Rice Husk Ash and Graphene: Growth Method and Thermodynamics. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 19027-19033	8.3	16
78	Mechanistic insight into high-efficiency sodium storage based on N/O/P-functionalized ultrathin carbon nanosheet. <i>Journal of Power Sources</i> , <b>2019</b> , 442, 227184	8.9	16
77	Tuning the surface structure of supported PtNi(x) bimetallic electrocatalysts for the methanol electro-oxidation reaction. <i>Chemical Communications</i> , <b>2016</b> , 52, 3927-30	5.8	15
76	Decorated resol derived mesoporous carbon: highly ordered microstructure, rich boron incorporation, and excellent electrochemical capacitance. <i>RSC Advances</i> , <b>2013</b> , 3, 3578	3.7	15
75	Sandwich electrode designed for high performance lithium-ion battery. <i>Nanoscale</i> , <b>2016</b> , 8, 9511-6	7.7	15



74	Micro-structure evolution and control of lithium-ion battery electrode laminate. <i>Journal of Energy Storage</i> , <b>2017</b> , 14, 82-93	7.8	14
73	From two-dimensional to one-dimensional structures: SiC nano-whiskers derived from graphene via a catalyst-free carbothermal reaction. <i>RSC Advances</i> , <b>2015</b> , 5, 5946-5950	3.7	14
72	Preparation of nitrogen-doped graphene/activated carbon composite papers to enhance energy storage in supercapacitors. <i>Applied Physics A: Materials Science and Processing</i> , <b>2017</b> , 123, 1	2.6	14
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