Cheng-Meng Chen

List of Publications by Year
in descending order

203 papers	16,770 citations	17405 63 h-index	16127 124 g-index
210 all docs	210 docs citations	210 times ranked	18966 citing authors

#	Article	IF	Citations
1	Powering Lithiumâ€“Sulfur Battery Performance by Propelling Polysulfide Redox at Sulfiphilic Hosts. Nano Letters, 2016, 16, 519-527.	4.5	1,294
2	Selfâ€Assembled Freeâ€Standing Graphite Oxide Membrane. Advanced Materials, 2009, 21, 3007-3011.	11.1	868
3	Permselective Graphene Oxide Membrane for Highly Stable and Anti-Self-Discharge Lithiumâ€“Sulfur Batteries. ACS Nano, 2015, 9, 3002-3011.	7.3	723
4	Low-Temperature Exfoliated Graphenes: Vacuum-Promoted Exfoliation and Electrochemical Energy Storage. ACS Nano, 2009, 3, 3730-3736.	7.3	694
5	Biomass-derived porous carbon materials with different dimensions for supercapacitor electrodes: a review. Journal of Materials Chemistry A, 2019, 7, 16028-16045.	5.2	694
6	Electronic Structure Tuning in Ni₃FeN/r-GO Aerogel toward Bifunctional Electrocatalyst for Overall Water Splitting. ACS Nano, 2018, 12, 245-253.	7.3	462
7	Hierarchical porous carbon microtubes derived from willow catkins for supercapacitor applications. Journal of Materials Chemistry A, 2016, 4, 1637-1646.	5.2	396
8	Structural evolution during annealing of thermally reduced graphene nanosheets for application in supercapacitors. Carbon, 2012, 50, 3572-3584.	5.4	362
9	Rational Integration of Polypropylene/Graphene Oxide/Nafion as Ternaryâ€Layered Separator to Retard the Shuttle of Polysulfides for Lithiumâ€“Sulfur Batteries. Small, 2016, 12, 381-389.	5.2	315
10	Porous TiO₂ Nanotubes with Spatially Separated Platinum and CoO_x Cocatalysts Produced by Atomic Layer Deposition for Photocatalytic Hydrogen Production. Angewandte Chemie - International Edition, 2017, 56, 816-820.	7.2	293
11	Aromatic sulfide, sulfoxide, and sulfone mediated mesoporous carbon monolith for use in supercapacitor. Nano Energy, 2012, 1, 624-630.	8.2	288
12	Annealing a graphene oxide film to produce a free standing high conductive graphene film. Carbon, 2012, 50, 659-667.	5.4	287
13	Hierarchically aminated graphene honeycombs for electrochemical capacitive energy storage. Journal of Materials Chemistry, 2012, 22, 14076.	6.7	280
14	Entrapment of sulfur in hierarchical porous graphene for lithiumâ€“sulfur batteries with high rate performance from â^'40 to 60Â°C. Nano Energy, 2013, 2, 314-321.	8.2	230
15	Thermally reduced graphene oxide films as flexible lateral heat spreaders. Journal of Materials Chemistry A, 2014, 2, 16563-16568.	5.2	229
16	Hard Carbon Anodes for Nextâ€Generation Liâ€Ion Batteries: Review and Perspective. Advanced Energy Materials, 2021, 11, 2101650.	10.2	213
17	Macroporous â€˜bubbleâ€™ graphene film via template-directed ordered-assembly for high rate supercapacitors. Chemical Communications, 2012, 48, 7149.	2.2	208
18	Highly stable supercapacitors with MOF-derived Co₉S₈/carbon electrodes for high rate electrochemical energy storage. Journal of Materials Chemistry A, 2017, 5, 12453-12461.	5.2	180

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19	Seaweed-Derived Route to Fe₂O₃ Hollow Nanoparticles/N-Doped Graphene Aerogels with High Lithium Ion Storage Performance. ACS Applied Materials & Interfaces, 2016, 8, 7047-7053.	4.0	179
20	Hierarchical Grapheneâ€“Carbon Fiber Composite Paper as a Flexible Lateral Heat Spreader. Advanced Functional Materials, 2014, 24, 4222-4228.	7.8	178
21	Semi-Immobilized Molecular Electrocatalysts for High-Performance Lithiumâ€“Sulfur Batteries. Journal of the American Chemical Society, 2021, 143, 19865-19872.	6.6	173
22	Proliferaâ€Greenâ€Tide as Sustainable Source for Carbonaceous Aerogels with Hierarchical Pore to Achieve Multiple Energy Storage. Advanced Functional Materials, 2016, 26, 8487-8495.	7.8	169
23	Interconnected carbon nanotube/graphene nanosphere scaffolds as free-standing paper electrode for high-rate and ultra-stable lithiumâ€“sulfur batteries. Nano Energy, 2015, 11, 746-755.	8.2	168
24	A novel asymmetric supercapacitor with an activated carbon cathode and a reduced graphene oxideâ€“cobalt oxide nanocomposite anode. Journal of Power Sources, 2013, 242, 148-156.	4.0	163
25	Graphene Oxide: A Convenient Metal-Free Carbocatalyst for Facilitating Aerobic Oxidation of 5-Hydroxymethylfurfural into 2, 5-Diformylfuran. ACS Catalysis, 2015, 5, 5636-5646.	5.5	154
26	Scalable and Costâ€Effective Synthesis of Highly Efficient Fe₂Nâ€Based Oxygen Reduction Catalyst Derived from Seaweed Biomass. Small, 2016, 12, 1295-1301.	5.2	148
27	Binder-free graphene and manganese oxide coated carbon felt anode for high-performance microbial fuel cell. Biosensors and Bioelectronics, 2016, 81, 32-38.	5.3	148
28	Threeâ€Dimensional Hierarchically Ordered Porous Carbons with Partially Graphitic Nanostructures for Electrochemical Capacitive Energy Storage. ChemSusChem, 2012, 5, 563-571.	3.6	142
29	Reduced graphene oxide: a metal-free catalyst for aerobic oxidative desulfurization. Green Chemistry, 2017, 19, 1175-1181.	4.6	134
30	Advanced visible-light-driven photocatalyst BiOBrâ€“TiO2â€“graphene composite with graphene as a nano-filler. Journal of Materials Chemistry A, 2014, 2, 4667.	5.2	128
31	Tuning the Shell Number of Multishelled Metal Oxide Hollow Fibers for Optimized Lithium-Ion Storage. ACS Nano, 2017, 11, 6186-6193.	7.3	127
32	Selfâ€Assembled 3D Grapheneâ€Based Aerogel with Co₃O₄ Nanoparticles as Highâ€Performance Asymmetric Supercapacitor Electrode. ChemSusChem, 2015, 8, 2917-2926.	3.6	123
33	3D Sulfur and Nitrogen Codoped Carbon Nanofiber Aerogels with Optimized Electronic Structure and Enlarged Interlayer Spacing Boost Potassiumâ€Ion Storage. Small, 2019, 15, e1900816.	5.2	122
34	Graphene-supported Auâ€“Pd bimetallic nanoparticles with excellent catalytic performance in selective oxidation of methanol to methyl formate. Chemical Communications, 2013, 49, 8250.	2.2	120
35	Layered NiCo2O4/reduced graphene oxide composite as an advanced electrode for supercapacitor. Energy Storage Materials, 2017, 8, 59-67.	9.5	118
36	Nanoscale engineering of nitrogen-doped carbon nanofiber aerogels for enhanced lithium ion storage. Journal of Materials Chemistry A, 2017, 5, 8247-8254.	5.2	114

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37	Highly Porous FeS/Carbon Fibers Derived from Fe-Carrageenan Biomass: High-capacity and Durable Anodes for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 17175-17182.	4.0	114
38	Dual-heteroatom-modified ordered mesoporous carbon: Hydrothermal functionalization, structure, and its electrochemical performance. Journal of Materials Chemistry, 2012, 22, 4963.	6.7	110
39	Suppressing Feâ€“Li Antisite Defects in LiFePO₄/Carbon Hybrid Microtube to Enhance the Lithium Ion Storage. Advanced Energy Materials, 2016, 6, 1601549.	10.2	109
40	Boosting hydrogen evolution via optimized hydrogen adsorption at the interface of CoP₃ and Ni₂P. Journal of Materials Chemistry A, 2018, 6, 5560-5565.	5.2	107
41	Structural Evolution of Phosphorus Species on Graphene with a Stabilized Electrochemical Interface. ACS Applied Materials & Interfaces, 2019, 11, 11421-11430.	4.0	104
42	Subâ€1.5 nm Ultrathin CoP Nanosheet Aerogel: Efficient Electrocatalyst for Hydrogen Evolution Reaction at All pH Values. Small, 2018, 14, e1802824.	5.2	99
43	Graphene oxide for cellulose hydrolysis: how it works as a highly active catalyst?. Chemical Communications, 2014, 50, 3439.	2.2	96
44	Modification of Nitrate Ion Enables Stable Solid Electrolyte Interphase in Lithium Metal Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	96
45	Oxygen Reduction Reaction on Graphene in an Electroâ€Fenton System: Inâ€…Situ Generation of H₂O₂ for the Oxidation of Organic Compounds. ChemSusChem, 2016, 9, 1194-1199.	3.6	93
46	Influence of phosphorus doping on surface chemistry and capacitive behaviors of porous carbon electrode. Electrochimica Acta, 2018, 266, 420-430.	2.6	93
47	Electrophoretic deposition and thermal annealing of a graphene oxide thin film on carbon fiber surfaces. Carbon, 2013, 52, 613-616.	5.4	91
48	Effect of pore structure and doping species on charge storage mechanisms in porous carbon-based supercapacitors. Materials Chemistry Frontiers, 2020, 4, 2610-2634.	3.2	91
49	Constructing Ni₁₂P₅/Ni₂P Heterostructures to Boost Interfacial Polarization for Enhanced Microwave Absorption Performance. ACS Applied Materials & Interfaces, 2020, 12, 52208-52220.	4.0	89
50	Graphene Oxide Catalyzed Dehydration of Fructose into 5â€Hydroxymethylfurfural with Isopropanol as Cosolvent. ChemCatChem, 2014, 6, 728-732.	1.8	88
51	Graphene Oxide: An Efficient Acid Catalyst for Alcoholysis and Esterification Reactions. ChemCatChem, 2014, 6, 3080-3083.	1.8	87
52	Reduced graphene oxide supported Ni-Ce catalysts for CO2 methanation: The support and ceria promotion effects. Journal of CO2 Utilization, 2019, 34, 676-687.	3.3	85
53	Construction of C-Si heterojunction interface in SiC whisker/reduced graphene oxide aerogels for improving microwave absorption. Carbon, 2020, 164, 59-68.	5.4	84
54	Nitrogen and Sulfur Vacancies in Carbon Shell to Tune Charge Distribution of Co₆Ni₃S₈ Core and Boost Sodium Storage. Advanced Energy Materials, 2020, 10, 1904147.	10.2	80

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55	Direct synthesis of 2,5-diformylfuran from fructose with graphene oxide as a bifunctional and metal-free catalyst. Green Chemistry, 2016, 18, 2302-2307.	4.6	79
56	Resorcinol-formaldehyde based carbon aerogel: Preparation, structure and applications in energy storage devices. Microporous and Mesoporous Materials, 2019, 279, 293-315.	2.2	78
57	Ultrafine FeSe nanoparticles embedded into 3D carbon nanofiber aerogels with FeSe/Carbon interface for efficient and long-life sodium storage. Carbon, 2019, 143, 106-115.	5.4	78
58	A sulfur host based on cobaltâ€"graphitic carbon nanocages for high performance lithiumâ€"sulfur batteries. Journal of Materials Chemistry A, 2017, 5, 24901-24908.	5.2	75
59	Pre-oxidation of lignin precursors for hard carbon anode with boosted lithium-ion storage capacity. Carbon, 2021, 178, 243-255.	5.4	73
60	Structure evolution of oxygen removal from porous carbon for optimizing supercapacitor performance. Journal of Energy Chemistry, 2020, 51, 396-404.	7.1	71
61	Redox mediator assists electron transfer in lithiumâ€"sulfur batteries with sulfurized polyacrylonitrile cathodes. EcoMat, 2021, 3, e12066.	6.8	69
62	Titaniumâ€"oxo cluster reinforced gel polymer electrolyte enabling lithiumâ€"sulfur batteries with high gravimetric energy densities. Energy and Environmental Science, 2021, 14, 975-985.	15.6	69
63	Single-crystalline (FexNi1-x)2P nanosheets with dominant <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0003.gif" overflow="scroll"><mml:mrow><mml:mo stretchy="false">{</mml:mo><mml:mi>01</mml:mi><mml:mover accent="true"><mml:mi mathvariant="bold">1</mml:mi><mml:mo>Â¯</mml:mo></mml:mover><mml:mover accent="true"><mml:mi mathvariant="bold">1</mml:mi><mml:mo>Â¯</mml:mo></mml:mover><mml:mo st	8.2	68
64	Nitrogen-doped hierarchical porous carbon derived from block copolymer for supercapacitor. Energy Storage Materials, 2016, 3, 140-148.	9.5	67
65	Controllable synthesis of CoN₃ catalysts derived from Co/Zn-ZIF-67 for electrocatalytic oxygen reduction in acidic electrolytes. Journal of Materials Chemistry A, 2019, 7, 21884-21891.	5.2	67
66	Porous NiCo2O4 nanowires supported on carbon cloth for flexible asymmetric supercapacitor with high energy density. Journal of Energy Chemistry, 2018, 27, 195-202.	7.1	66
67	A new approach to fabricate graphene electro-conductive networks on natural fibers by ultraviolet curing method. Synthetic Metals, 2014, 193, 41-47.	2.1	65
68	Bamboo-like N-doped carbon tubes encapsulated CoNi nanospheres towards efficient and anticorrosive microwave absorbents. Carbon, 2021, 171, 142-153.	5.4	64
69	Hollow carbon microtubes from kapok fiber: structural evolution and energy storage performance. Sustainable Energy and Fuels, 2018, 2, 455-465.	2.5	63
70	3D graphene/ carbon nanotubes/ polydimethylsiloxane composites as high-performance electromagnetic shielding material in X-band. Composites Part A: Applied Science and Manufacturing, 2020, 129, 105712.	3.8	63
71	Boosting Sodium-Ion Storage by Encapsulating NiS (CoS) Hollow Nanoparticles into Carbonaceous Fibers. ACS Applied Materials & Interfaces, 2018, 10, 40531-40539.	4.0	62
72	Dual-functional graphene/carbon nanotubes thick film: Bidirectional thermal dissipation and electromagnetic shielding. Carbon, 2021, 171, 329-340.	5.4	60

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73	High photoelectrocatalytic performance of a MoS2â€“SiC hybrid structure for hydrogen evolution reaction. Journal of Materials Chemistry A, 2013, 1, 4657.	5.2	58
74	Oxygenophilic ionic liquids promote the oxygen reduction reaction in Pt-free carbon electrocatalysts. Materials Horizons, 2017, 4, 895-899.	6.4	56
75	Free-standing, anti-corrosion, super flexible graphene oxide/silver nanowire thin films for ultra-wideband electromagnetic interference shielding. Journal of Materials Chemistry A, 2021, 9, 1180-1191.	5.2	56
76	Crumpled reduced graphene oxide by flame-induced reduction of graphite oxide for supercapacitive energy storage. Journal of Materials Chemistry A, 2014, 2, 5730-5737.	5.2	55
77	Layered NiO/reduced graphene oxide composites by heterogeneous assembly with enhanced performance as high-performance asymmetric supercapacitor cathode. RSC Advances, 2016, 6, 46548-46557.	1.7	54
78	Experimental investigation of the heat transfer performance of an oscillating heat pipe with graphene nanofluids. Powder Technology, 2018, 332, 371-380.	2.1	54
79	Graphene oxide: an effective acid catalyst for the synthesis of polyoxymethylene dimethyl ethers from methanol and trioxymethylene. Catalysis Science and Technology, 2016, 6, 993-997.	2.1	53
80	Air cathode of zincâ€“air batteries: a highly efficient and durable aerogel catalyst for oxygen reduction. Nanoscale, 2019, 11, 826-832.	2.8	53
81	Dual-functional 3D multi-wall carbon nanotubes/graphene/silicone rubber elastomer: Thermal management and electromagnetic interference shielding. Carbon, 2021, 183, 216-224.	5.4	53
82	Intercalation structure of vanadium nitride nanoparticles growing on graphene surface toward high negative active material for supercapacitor utilization. Journal of Alloys and Compounds, 2019, 781, 1054-1058.	2.8	52
83	Atomic Design and Fine-Tuning of Subnanometric Pt Catalysts to Tame Hydrogen Generation. ACS Catalysis, 2021, 11, 4146-4156.	5.5	52
84	Facile synthesis of self-assembled ultrathin Î±-FeOOH nanorod/graphene oxide composites for supercapacitors. Journal of Colloid and Interface Science, 2017, 504, 593-602.	5.0	51
85	Easy one-step synthesis of N-doped graphene for supercapacitors. Energy Storage Materials, 2016, 2, 69-75.	9.5	50
86	Nanoconfinement of red phosphorus nanoparticles in seaweed-derived hierarchical porous carbonaceous fibers for enhanced lithium ion storage. Chemical Engineering Journal, 2018, 345, 604-610.	6.6	50
87	Fluidizedâ€bed CVD of unstacked doubleâ€layer templated graphene and its application in supercapacitors. AICHE Journal, 2015, 61, 747-755.	1.8	48
88	Probing the intrinsic active sites of modified graphene oxide for aerobic benzylic alcohol oxidation. Applied Catalysis B: Environmental, 2017, 211, 89-97.	10.8	48
89	Turning gelidium amansii residue into nitrogen-doped carbon nanofiber aerogel for enhanced multiple energy storage. Carbon, 2018, 137, 31-40.	5.4	48
90	From Starch to Carbon Materials: Insight into the Cross-Linking Reaction and Its Influence on the Carbonization Process. ACS Sustainable Chemistry and Engineering, 2019, 7, 14796-14804.	3.2	48

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91	Phosphorus-modified porous carbon aerogel microspheres as high volumetric energy density electrode for supercapacitor. Electrochimica Acta, 2019, 318, 151-160.	2.6	48
92	3D Thermally Crossâ€Linked Graphene Aerogelâ€“Enhanced Silicone Rubber Elastomer as Thermal Interface Material. Advanced Materials Interfaces, 2019, 6, 1900147.	1.9	47
93	Î²â€Ni(OH)₂ Nanosheet Arrays Grown on Biomassâ€Derived Hollow Carbon Microtubes for Highâ€Performance Asymmetric Supercapacitors. ChemElectroChem, 2018, 5, 1279-1287.	1.7	46
94	Aerobic selective oxidation of 5-hydroxymethyl-furfural over nitrogen-doped graphene materials with 2,2,6,6-tetramethylpiperidin-oxyl as co-catalyst. Catalysis Science and Technology, 2016, 6, 2377-2386.	2.1	45
95	Toward Aerogel Electrodes of Superior Rate Performance in Supercapacitors through Engineered Hollow Nanoparticles of NiCo₂O₄. Advanced Science, 2017, 4, 1700345.	5.6	45
96	Towards enhanced sodium storage of hard carbon anodes: Regulating the oxygen content in precursor by low-temperature hydrogen reduction. Energy Storage Materials, 2022, 51, 620-629.	9.5	45
97	Synthesis of MoSe₂/Reduced graphene oxide composites with improved tribological properties for oilâ€based additives. Crystal Research and Technology, 2014, 49, 204-211.	0.6	43
98	Green synthesis of reduced graphene oxide paper using Zn powder for supercapacitors. Materials Letters, 2015, 157, 273-276.	1.3	41
99	Fullâ€Range Redox Mediation on Sulfur Redox Kinetics for Highâ€Performance Lithiumâ€Sulfur Batteries. Batteries and Supercaps, 2022, 5, .	2.4	41
100	Chemically derived grapheneâ€“metal oxide hybrids as electrodes for electrochemical energy storage: pre-graphenization or post-graphenization?. Journal of Materials Chemistry, 2012, 22, 13947.	6.7	40
101	Selfâ€standing hard carbon anode derived from hyperâ€linked nanocellulose with high cycling stability for lithiumâ€ion batteries. EcoMat, 2021, 3, e12091.	6.8	39
102	Insights into the thermochemical evolution of maleic anhydride-initiated esterified starch to construct hard carbon microspheres for lithium-ion batteries. Journal of Energy Chemistry, 2022, 66, 448-458.	7.1	38
103	Alginate/r-GO assisted synthesis of ultrathin LiFePO4 nanosheets with oriented (0â€¯1â€¯0) facet and ultralow antisite defect. Chemical Engineering Journal, 2018, 351, 340-347.	6.6	37
104	Reduction of graphene oxide in Li-ion batteries. Journal of Materials Chemistry A, 2015, 3, 18360-18364.	5.2	36
105	Three-dimensional paper-like graphene framework with highly orientated laminar structure as binder-free supercapacitor electrode. Journal of Energy Chemistry, 2016, 25, 49-54.	7.1	36
106	Architecture of Co-layered double hydroxide nanocages/graphene composite electrode with high electrochemical performance for supercapacitor. Journal of Energy Chemistry, 2018, 27, 507-512.	7.1	35
107	New Insights into the Mechanism of LiDFBOP for Improving the Low-Temperature Performance via the Rational Design of an Interphase on a Graphite Anode. ACS Applied Materials & Interfaces, 2021, 13, 40042-40052.	4.0	35
108	Carbocatalyst in biorefinery: Selective etherification of 5-hydroxymethylfurfural to		

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109	Nitrogen-functionalized reduced graphene oxide as carbocatalysts with enhanced activity for polyaromatic hydrocarbon hydrogenation. Catalysis Science and Technology, 2017, 7, 1217-1226.	2.1	34
110	Flexible carbon nanofiber mats with improved graphitic structure as scaffolds for efficient all-solid-state supercapacitor. Electrochimica Acta, 2017, 247, 1060-1071.	2.6	34
111	New insights into Li2S2/Li2S adsorption on the graphene bearing single vacancy: A DFT study. Applied Surface Science, 2020, 503, 144446.	3.1	34
112	Nanoscale engineering MoP/Fe2P/RGO toward efficient electrocatalyst for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2018, 43, 13939-13945.	3.8	33
113	A facile method for the synthesis of graphene-like 2D metal oxides and their excellent catalytic application in the hydrogenation of nitroarenes. Journal of Materials Chemistry A, 2018, 6, 9948-9961.	5.2	33
114	Graphene enhanced low-density polyethylene by pretreatment and melt compounding. RSC Advances, 2016, 6, 101492-101500.	1.7	32
115	Porous CoP nanostructure electrocatalyst derived from DUT-58 for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2018, 43, 13904-13910.	3.8	32
116	Filling the Gaps between Graphene Oxide: A General Strategy toward Nanolayered Oxides. Advanced Functional Materials, 2015, 25, 5683-5690.	7.8	31
117	High Yield Silicon Carbide Whiskers from Rice Husk Ash and Graphene: Growth Method and Thermodynamics. ACS Sustainable Chemistry and Engineering, 2019, 7, 19027-19033.	3.2	31
118	Genuine Active Species Generated from Fe₃N Nanotube by Synergistic CoNi Doping for Boosted Oxygen Evolution Catalysis. Small, 2020, 16, e2003824.	5.2	31
119	Ultra-high temperature graphitization of three-dimensional large-sized graphene aerogel for the encapsulation of phase change materials. Composites Part A: Applied Science and Manufacturing, 2021, 145, 106391.	3.8	31
120	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. Carbon, 2016, 103, 36-44.	5.4	30
121	Removal of azo dye from aqueous solution by a low-cost activated carbon prepared from coal: adsorption kinetics, isotherms study, and DFT simulation. Environmental Science and Pollution Research, 2021, 28, 10234-10247.	2.7	30
122	Vanadium-oxo immobilized onto Schiff base modified graphene oxide for efficient catalytic oxidation of 5-hydroxymethylfurfural and furfural into maleic anhydride. RSC Advances, 2016, 6, 101277-101282.	1.7	28
123	A high energy density asymmetric supercapacitor based on a CoNi-layered double hydroxide and activated carbon. New Carbon Materials, 2016, 31, 37-45.	2.9	28
124	Tuning the physico-chemical properties of BiOBr via solvent adjustment: towards an efficient photocatalyst for water treatment. CrystEngComm, 2019, 21, 1750-1757.	1.3	26
125	Preparation of SiC whiskers using graphene and rice husk ash and its photocatalytic property. Journal of Alloys and Compounds, 2020, 833, 155072.	2.8	26
126	2D Layered Î±â€Fe₂O₃/rGO Flexible Electrode Prepared through Colloidal Electrostatic Selfâ€Assembly. ChemElectroChem, 2017, 4, 1990-1996.	1.7	25

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127	Self-standing graphitized hybrid Nanocarbon electrodes towards high-frequency supercapacitors. Carbon, 2021, 185, 630-640.	5.4	25
128	Seaweed-derived synthesis of Na3.12Fe2.44(P2O7)2/r-GO aerogels as air stable cathode materials for sodium-ion batteries. Chemical Engineering Journal, 2019, 365, 325-333.	6.6	24
129	SiC whiskers nucleated on rGO and its potential role in thermal conductivity and electronic insulation. Chemical Engineering Journal, 2021, 423, 130181.	6.6	24
130	Molecular-scale controllable conversion of biopolymers into hard carbons towards lithium and sodium ion batteries: A review. Journal of Energy Chemistry, 2022, 72, 554-569.	7.1	24
131	Creation of Geâ€“Nxâ€“Cy Configures in Carbon Nanotubes: Origin of Enhanced Electrocatalytic Performance for Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2016, 8, 10383-10391.	4.0	23
132	Electromagnetic interference shielding material for super-broadband: multi-walled carbon nanotube/silver nanowire film with an ultrathin sandwich structure. Journal of Materials Chemistry A, 2021, 9, 25999-26009.	5.2	23
133	Microstructure and mechanical properties of in situ TiB2/7055 composites synthesized by direct magnetochemistry melt reaction. Transactions of Nonferrous Metals Society of China, 2013, 23, 2502-2508.	1.7	22
134	Boosting the Specific Surface Area of Hierarchical Porous Carbon Aerogel through the Multiple Roles of the Catalyst for Highâ€Performance Supercapacitors. ChemElectroChem, 2017, 4, 3119-3125.	1.7	22
135	Uncovering electrocatalytic conversion mechanisms from Li2S2 to Li2S: Generalization of computational hydrogen electrode. Energy Storage Materials, 2022, 47, 327-335.	9.5	22
136	Accessible 3D Integrative Paper Electrode Shapes: Allâ€Carbon Dualâ€Ion Batteries with Optimum Packaging Performances. ChemElectroChem, 2017, 4, 3238-3243.	1.7	21
137	Generating lithium vacancies through delithiation of Li(NixCoyMnz)O2 towards bifunctional electrocatalysts for rechargeable zinc-air batteries. Energy Storage Materials, 2018, 15, 202-208.	9.5	21
138	Theoretical Study on the Quantum Capacitance Origin of Graphene Cathodes in Lithium Ion Capacitors. Catalysts, 2018, 8, 444.	1.6	21
139	5-Hydroxymethylfurfural oxidation to Maleic acid by O2 over graphene oxide supported vanadium: Solvent effects and reaction mechanism. Chemical Engineering Journal, 2020, 388, 124187.	6.6	21
140	Micro-structure evolution and control of lithium-ion battery electrode laminate. Journal of Energy Storage, 2017, 14, 82-93.	3.9	20
141	Preparation of nitrogen-doped graphene/activated carbon composite papers to enhance energy storage in supercapacitors. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	20
142	One-pot ball-milling preparation of graphene/carbon black aqueous inks for highly conductive and flexible printed electronics. Science China Materials, 2020, 63, 392-402.	3.5	20
143	Highly active Auâ€“Pd nanoparticles supported on three-dimensional grapheneâ€“carbon nanotube hybrid for selective oxidation of methanol to methyl formate. RSC Advances, 2015, 5, 44835-44839.	1.7	19
144	Sandwich electrode designed for high performance lithium-ion battery. Nanoscale, 2016, 8, 9511-9516.	2.8	19

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145	A method for producing conductive graphene biopolymer nanofibrous fabrics by exploitation of an ionic liquid dispersant in electrospinning. Carbon, 2018, 140, 148-156.	5.4	19
146	In-situ conversion of Ni2P/rGO from heterogeneous self-assembled NiO/rGO precursor with boosted pseudocapacitive performance. Chinese Chemical Letters, 2020, 31, 1392-1397.	4.8	19
147	Decorated resol derived mesoporous carbon: highly ordered microstructure, rich boron incorporation, and excellent electrochemical capacitance. RSC Advances, 2013, 3, 3578.	1.7	18
148	Mechanistic insight into high-efficiency sodium storage based on N/O/P-functionalized ultrathin carbon nanosheet. Journal of Power Sources, 2019, 442, 227184.	4.0	18
149	Fe-alginate biomass-derived FeS/3D interconnected carbon nanofiber aerogels as anodes for high performance sodium-ion batteries. Journal of Alloys and Compounds, 2019, 795, 54-59.	2.8	18
150	Cu₂CoGeS₄ nanocrystals for high performance aqueous polysulfide/iodide redox flow batteries: enhanced selectively towards the electrocatalytic conversion of polysulfides. Sustainable Energy and Fuels, 2020, 4, 2892-2899.	2.5	18
151	Tuning the surface structure of supported PtNi_xbimetallic electrocatalysts for the methanol electro-oxidation reaction. Chemical Communications, 2016, 52, 3927-3930.	2.2	17
152	Structural evolution of carbon aerogel microspheres by thermal treatment for highâ€“power supercapacitors. Journal of Energy Chemistry, 2018, 27, 439-446.	7.1	17
153	Selenite capture by MIL-101 (Fe) through Fe O Se bonds at free coordination Fe sites. Journal of Hazardous Materials, 2022, 424, 127715.	6.5	17
154	CoP/RGO-Pd Hybrids with Heterointerfaces as Highly Active Catalysts for Ethanol Electrooxidation. ACS Applied Materials & Interfaces, 2020, 12, 28903-28914.	4.0	16
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