Huan-Lei Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

136 papers	10,342 citations	43 h-index	100 g-index
145 ext. papers	11,889 ext. citations	9.8 avg, IF	6.52 L-index

#	Paper	IF	Citations
136	All-cellulose-based quasi-solid-state supercapacitor with nitrogen and boron dual-doped carbon electrodes exhibiting high energy density and excellent cyclic stability. *Green Energy and Environment*, **2022**,	5.7	5
135	One-pot synthesis of nanosized MnO incorporated into N-doped carbon nanosheets for high performance lithium storage. *Journal of Alloys and Compounds*, **2022**, 902, 163827	5.7	2
134	Oxygen Engineering Enables N-Doped Porous Carbon Nanofibers as Oxygen Reduction/Evolution Reaction Electrocatalysts for Flexible Zinc–Air Batteries. *ACS Catalysis*, **2022**, 12, 4002-4015	13.1	9
133	Morphological modulation of CoFe-based metal organic frameworks for oxygen evolution reaction. *Catalysis Communications*, **2022**, 165, 106445	3.2	1
132	Designing Carbon Anodes for Advanced Potassium-Ion Batteries: Materials, Modifications, and Mechanisms **2022**, 100057		4
131	Interconnected honeycomb-like carbon with rich nitrogen/sulfur doping for stable potassium ion storage. *Electrochimica Acta*, **2022**, 424, 140596	6.7	
130	Engineering solid–liquid-gas interfaces of single-atom cobalt catalyst for enhancing the robust stability of neutral Zn-air batteries under high current density. *Chemical Engineering Journal*, **2021**, 433, 133685	14.7	4
129	Sulfur-Rich Graphene Nanoboxes with Ultra-High Potassiation Capacity at Fast Charge: Storage Mechanisms and Device Performance. *ACS Nano*, **2021**, 15, 1652-1665	16.7	53
128	Achieving Concurrent High Energy Density and Efficiency in All-Polymer Layered Paraelectric/Ferroelectric Composites via Introducing a Moderate Layer. *ACS Applied Materials & Interfaces*, **2021**, 13, 27522-27532	9.5	40
127	Asymmetric Trilayer All-Polymer Dielectric Composites with Simultaneous High Efficiency and High Energy Density: A Novel Design Targeting Advanced Energy Storage Capacitors. *Advanced Functional Materials*, **2021**, 31, 2100280	15.6	66
126	Enabling the full exposure of Fe2P@NixP heterostructures in tree-branch-like nanoarrays for promoted urea electrolysis at high current densities. *Chemical Engineering Journal*, **2021**, 417, 128067	14.7	20
125	Liquid-State Templates for Constructing B, N, Co-Doping Porous Carbons with a Boosting of Potassium-Ion Storage Performance. *Advanced Energy Materials*, **2021**, 11, 2003215	21.8	32
124	High potassium ion storage capacity with long cycling stability of sustainable oxygen-rich carbon nanosheets. *Nanoscale*, **2021**, 13, 2389-2398	7.7	14
123	A new strategy for achieving high K storage capacity with fast kinetics: realizing covalent sulfur-rich carbon by phosphorous doping. *Nanoscale*, **2021**, 13, 4911-4920	7.7	9
122	Identifying Heteroatomic and Defective Sites in Carbon with Dual-Ion Adsorption Capability for High Energy and Power Zinc Ion Capacitor. *Nano-Micro Letters*, **2021**, 13, 59	19.5	20
121	Two-dimensional SnO anchored biomass-derived carbon nanosheet anode for high-performance Li-ion capacitors.. *RSC Advances*, **2021**, 11, 10018-10026	3.7	7
120	N,P-Doped Carbon-Based Freestanding Electrodes Enabled by Cellulose Nanofibers for Superior Asymmetric Supercapacitors. *ACS Applied Energy Materials*, **2021**, 4, 2327-2338	6.1	7

119	Salt-assisted in-situ formation of N-doped porous carbons for boosting K+ storage capacity and cycling stability. *New Carbon Materials*, **2021**, 36, 167-178	4.4	2
118	High-rate sodium storage performance enabled using hollow Co3O4 nanoparticles anchored in porous carbon nanofibers anode. *Journal of Alloys and Compounds*, **2021**, 868, 159262	5.7	4
117	Water-Soluble Salt Template-Assisted Anchor of Hollow FeS2 Nanoparticle Inside 3D Carbon Skeleton to Achieve Fast Potassium-Ion Storage. *Advanced Energy Materials*, **2021**, 11, 2101343	21.8	12
116	Microzone-explosion synthesis of porous carbon electrodes for advanced aqueous solid-state supercapacitors with a high-voltage gel electrolyte. *Journal of Energy Chemistry*, **2021**, 60, 95-103	12	2
115	Engineering core–shell Co9S8/Co nanoparticles on reduced graphene oxide: efficient bifunctional Mott–Schottky electrocatalysts in neutral rechargeable Zn–air batteries. *Journal of Energy Chemistry*, **2021**,	12	10
114	Significantly enhanced high permittivity and negative permittivity in Ag/Al2O3/3D-BaTiO3/epoxy metacomposites with unique hierarchical heterogeneous microstructures. *Composites Part A: Applied Science and Manufacturing*, **2021**, 149, 106559	8.4	24
113	Salt assisted fabrication of lignin-derived Fe, N, P, S codoped porous carbon as trifunctional catalyst for Zn-air batteries and water-splitting devices. *Chemical Engineering Journal*, **2021**, 421, 129704	14.7	28
112	Boosting capacitance and energy density by construction NiCoO2/CoS2 nanocomposites arrays as pseudocapacitor. *Journal of Alloys and Compounds*, **2021**, 881, 160627	5.7	9
111	Tailorable high-k and negative-k percolation behaviors in PPy/P(VDF-HFP) composites. *Composites Communications*, **2021**, 28, 100945	6.7	1
110	Modulation of the crystalline/amorphous interface engineering on Ni-P-O-based catalysts for boosting urea electrolysis at large current densities. *Chemical Engineering Journal*, **2021**, 425, 130514	14.7	12
109	Cellulose-derived carbon-based electrodes with high capacitance for advanced asymmetric supercapacitors. *Journal of Power Sources*, **2020**, 457, 228056	8.9	15
108	Nitrogen and Oxygen Co-Doping Assisted Synthesis of Highly Dispersed Pd Nanoparticles on Hollow Carbon Spheres as Efficient Electrocatalysts for Oxygen Reduction Reaction. *Chemistry - A European Journal*, **2020**, 26, 12589-12595	4.8	13
107	Layer-structured BaTiO3/P(VDF–HFP) composites with concurrently improved dielectric permittivity and breakdown strength toward capacitive energy-storage applications. *Journal of Materials Chemistry C*, **2020**, 8, 10257-10265	7.1	67
106	Ultrahigh discharge efficiency and improved energy density in rationally designed bilayer polyetherimide–BaTiO3/P(VDF-HFP) composites. *Journal of Materials Chemistry A*, **2020**, 8, 5750-5757	13	129
105	Controlled Design of Well-Dispersed Ultrathin MoS2 Nanosheets inside Hollow Carbon Skeleton: Toward Fast Potassium Storage by Constructing Spacious "Houses" for K Ions. *Advanced Functional Materials*, **2020**, 30, 1908755	15.6	73
104	Achieving excellent dielectric performance in polymer composites with ultralow filler loadings via constructing hollow-structured filler frameworks. *Composites Part A: Applied Science and Manufacturing*, **2020**, 131, 105814	8.4	80
103	Sulfur-nitrogen rich carbon as stable high capacity potassium ion battery anode: Performance and storage mechanisms. *Energy Storage Materials*, **2020**, 27, 212-225	19.4	129
102	In situ Grown Ni 12P5 Nanorod Arrays as a Unique Core–Shell Architecture: Competitive Bifunctional Electrocatalysts for Urea Electrolysis at Large Current Densities. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 7463-7471	8.3	38

101	Rigid-Flexible Coupling Carbon Skeleton and Potassium-Carbonate-Dominated Solid Electrolyte Interface Achieving Superior Potassium-Ion Storage. *ACS Nano*, **2020**, 14, 4938-4949	16.7	43
100	Optimizing Strategy for the Dielectric Performance of Topological-structured Polymer Nanocomposites by Rationally Tailoring the Spatial Distribution of Nanofillers. *Engineered Science*, **2020**,	3.8	13
99	Sustainable nitrogen-doped carbon electrodes for use in high-performance supercapacitors and Li-ion capacitors. *Sustainable Energy and Fuels*, **2020**, 4, 1789-1800	5.8	26
98	Bilayer carbon nanowires/nickel cobalt hydroxides nanostructures for high-performance supercapacitors. *Materials Letters*, **2020**, 263, 127217	3.3	42
97	Bio-derived yellow porous TiO: the lithiation induced activation of an oxygen-vacancy dominated TiO lattice evoking a large boost in lithium storage performance. *Nanoscale*, **2020**, 12, 746-754	7.7	7
96	Effective Stabilization of Long-Cycle Lithium–Sulfur Batteries Utilizing In Situ Prepared Graphdiyne-Modulated Separators. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 1741-1750	8.3	12
95	Electrospun hetero-CoP/FeP embedded in porous carbon nanofibers: enhanced Na kinetics and specific capacity. *Nanoscale*, **2020**, 12, 24477-24487	7.7	19
94	Carbon coated 3D Nb2O5 hollow nanospheres with superior performance as an anode for high energy Li-ion capacitors. *Sustainable Energy and Fuels*, **2020**, 4, 4868-4877	5.8	7
93	Resol and urea derived N-doped porous carbon for Na-ion storage. *Materials Chemistry and Physics*, **2020**, 254, 123535	4.4	5
92	Space-Confined Fabrication of MoS2@Carbon Tubes with Semienclosed Architecture Achieving Superior Cycling Capability for Sodium Ion Storage. *Advanced Materials Interfaces*, **2020**, 7, 2000953	4.6	4
91	Template-assisted loading of FeO nanoparticles inside hollow carbon "rooms" to achieve high volumetric lithium storage. *Nanoscale*, **2020**, 12, 10816-10826	7.7	12
90	Nitrogen and Sulfur Co-doped Mesoporous Carbon for Sodium Ion Batteries. *ACS Applied Nano Materials*, **2019**, 2, 5643-5654	5.6	20
89	Bioinspired Mineralization under Freezing Conditions: An Approach to Fabricate Porous Carbons with Complicated Architecture and Superior K Storage Performance. *ACS Nano*, **2019**, 13, 11582-11592	16.7	91
88	Bio-derived 3D TiO2 hollow spheres with a mesocrystal nanostructure to achieve improved electrochemical performance of Na-ion batteries in ether-based electrolytes. *Journal of Materials Chemistry A*, **2019**, 7, 3399-3407	13	13
87	High-Performance Sodium-Ion Capacitor Constructed by Well-Matched Dual-Carbon Electrodes from a Single Biomass. *ACS Sustainable Chemistry and Engineering*, **2019**,	8.3	9
86	A facile liquid/liquid interface method to synthesize graphyne analogs. *Chemical Communications*, **2019**, 55, 6571-6574	5.8	23
85	Nitrogen functionalized carbon nanocages optimized as high-performance anodes for sodium ion storage. *Electrochimica Acta*, **2019**, 304, 192-201	6.7	14
84	T-Nb2O5 embedded carbon nanosheets with superior reversibility and rate capability as an anode for high energy Li-ion capacitors. *Sustainable Energy and Fuels*, **2019**, 3, 1055-1065	5.8	17

83	Chemical Modification of the sp-Hybridized Carbon Atoms of Graphdiyne by Using Organic Sulfur. *Chemistry - A European Journal*, **2019**, 25, 5599-5599	4.8	2
82	Porous hydrogen substituted graphyne for high capacity and ultra-stable sodium ion storage. *Journal of Materials Chemistry A*, **2019**, 7, 11186-11194	13	21
81	Polymer salt-derived carbon-based nanomaterials for high-performance hybrid Li-ion capacitors. *Journal of Materials Science*, **2019**, 54, 7811-7822	4.3	4
80	High lithium anodic performance of flower-like carbon nanoflakes derived from MOF based on double ligands. *Journal of Alloys and Compounds*, **2019**, 806, 520-528	5.7	4
79	Metal-organic framework derived N-doped CNT@ porous carbon for high-performance sodium- and potassium-ion storage. *Electrochimica Acta*, **2019**, 319, 541-551	6.7	47
78	Chemical Modification of the sp-Hybridized Carbon Atoms of Graphdiyne by Using Organic Sulfur. *Chemistry - A European Journal*, **2019**, 25, 5643-5647	4.8	23
77	Dual-doped hierarchical porous carbon derived from biomass for advanced supercapacitors and lithium ion batteries.. *RSC Advances*, **2019**, 9, 32382-32394	3.7	19
76	Cable-like heterogeneous porous carbon fibers with ultrahigh-rate capability and long cycle life for fast charging lithium-ion storage devices. *Nanoscale*, **2019**, 11, 20893-20902	7.7	1
75	Triconstituent co-assembly to hierarchically porous carbons as high-performance anodes for sodium-ion batteries. *Journal of Alloys and Compounds*, **2019**, 771, 140-146	5.7	7
74	Lithium Ion Capacitor with Identical Carbon Electrodes Yields 6 s Charging and 100 000 Cycles Stability with 1% Capacity Fade. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 2867-2877	8.3	28
73	A Comparative Study of the Microstructure, Mechanical Properties and Corrosion Resistance of Ni- or Fe- Based Composite Coatings by Laser Cladding. *Journal of Materials Engineering and Performance*, **2018**, 27, 2844-2854	1.6	6
72	High-energy sodium-ion capacitor assembled by hierarchical porous carbon electrodes derived from Enteromorpha. *Journal of Materials Science*, **2018**, 53, 6763-6773	4.3	25
71	Novel hybrid anode of MnO nanoparticles and ultrathin carbon sheets for high lithium storage performance. *Journal of Alloys and Compounds*, **2018**, 740, 375-381	5.7	12
70	Non-carbon coating: a new strategy for improving lithium ion storage of carbon matrix. *Green Chemistry*, **2018**, 20, 3954-3962	10	11
69	Boosting pseudocapacitive charge storage in in situ functionalized carbons with a high surface area for high-energy asymmetric supercapacitors. *Sustainable Energy and Fuels*, **2018**, 2, 2314-2324	5.8	28
68	Polyampholyte-doped aligned polymer hydrogels as anisotropic electrolytes for ultrahigh-capacity supercapacitors. *Journal of Materials Chemistry A*, **2018**, 6, 58-64	13	22
67	Nitrogen-doped porous carbons derived from a natural polysaccharide for multiple energy storage devices. *Sustainable Energy and Fuels*, **2018**, 2, 381-391	5.8	31
66	Marine-Biomass-Derived Porous Carbon Sheets with a Tunable N-Doping Content for Superior Sodium-Ion Storage. *ACS Applied Materials & Interfaces*, **2018**, 10, 38376-38386	9.5	41

65	Nitrate Salt Assisted Fabrication of Highly N-Doped Carbons for High-Performance Sodium Ion Capacitors. *ACS Applied Energy Materials*, **2018**,	6.1	7
64	Fibrous Bio-Carbon Foams: A New Material for Lithium-Ion Hybrid Supercapacitors with Ultrahigh Integrated Energy/Power Density and Ultralong Cycle Life. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 14989-15000	8.3	25
63	All-carbon lithium capacitor based on salt crystal-templated, N-doped porous carbon electrodes with superior energy storage. *Journal of Materials Chemistry A*, **2018**, 6, 18276-18285	13	54
62	High energy supercapacitors based on interconnected porous carbon nanosheets with ionic liquid electrolyte. *Microporous and Mesoporous Materials*, **2017**, 241, 202-209	5.3	50
61	Biogel-Derived Polycrystalline MnO Spheres/S-Doped Carbon Composites with Enhanced Performance as Anode Materials for Lithium-Ion Batteries. *ChemElectroChem*, **2017**, 4, 1411-1418	4.3	10
60	The hierarchical cobalt oxide-porous carbons composites and their high performance as an anode for lithium ion batteries enhanced by the excellent synergistic effect. *Electrochimica Acta*, **2017**, 231, 511-520	6.7	4
59	Squid inks-derived nanocarbons with unique □hell@pearls□tructure for high performance supercapacitors. *Journal of Power Sources*, **2017**, 354, 116-123	8.9	28
58	Balanced mesoporous nickle cobaltite-graphene and doped carbon electrodes for high-performance asymmetric supercapacitor. *Chemical Engineering Journal*, **2017**, 326, 401-410	14.7	26
57	Extremely high-rate aqueous supercapacitor fabricated using doped carbon nanoflakes with large surface area and mesopores at near-commercial mass loading. *Nano Research*, **2017**, 10, 1767-1783	10	88
56	Sorghum core-derived carbon sheets as electrodes for a lithium-ion capacitor. *RSC Advances*, **2017**, 7, 17178-17183	3.7	16
55	Rich sulfur doped porous carbon materials derived from ginkgo leaves for multiple electrochemical energy storage devices. *Journal of Materials Chemistry A*, **2017**, 5, 2204-2214	13	146
54	Squid Ink-Assisted Fabricating MoS2 Nanosheets/Ultrafine Biocarbon Spheres Composites with an Enhanced Lithium Ion Storage Performance. *ChemistrySelect*, **2017**, 2, 8643-8649	1.8	4
53	Constructing MoO Porous Architectures Using Graphene Oxide Flexible Supports for Lithium Ion Battery Anodes. *Global Challenges*, **2017**, 1, 1700050	4.3	13
52	Self-doped carbon architectures with heteroatoms containing nitrogen, oxygen and sulfur as high-performance anodes for lithium- and sodium-ion batteries. *Electrochimica Acta*, **2017**, 251, 396-406	6.7	74
51	Two-dimensional biomass-derived carbon nanosheets and MnO/carbon electrodes for high-performance Li-ion capacitors. *Journal of Materials Chemistry A*, **2017**, 5, 15243-15252	13	110
50	Tuning the morphology and structure of nanocarbons with activating agents for ultrafast ionic liquid-based supercapacitors. *Journal of Power Sources*, **2017**, 361, 182-194	8.9	37
49	Marine microalgaes-derived porous ZnMn 2 O 4 /C microspheres and performance evaluation as Li-ion battery Anode by using different binders. *Chemical Engineering Journal*, **2017**, 308, 1200-1208	14.7	28
48	Controllable preparation of an eggshell membrane supported hydrogel electrolyte with thickness-dependent electrochemical performance. *Journal of Materials Chemistry A*, **2016**, 4, 17933-17938	13	29

47	Biomass derived fabrication of a novel sea cucumber-like LiMn 2 O 4 /C composite with a hierarchical porous structure as the cathode for lithium-ion batteries. *Electrochimica Acta*, **2016**, 188, 645-652	6.7	16
46	Effect of surface modification on high-surface-area carbon nanosheets anode in sodium ion battery. *Microporous and Mesoporous Materials*, **2016**, 227, 1-8	5.3	30
45	Excellent energy–power characteristics from a hybrid sodium ion capacitor based on identical carbon nanosheets in both electrodes. *Journal of Materials Chemistry A*, **2016**, 4, 5149-5158	13	144
44	N, O-codoped hierarchical porous carbons derived from algae for high-capacity supercapacitors and battery anodes. *Journal of Materials Chemistry A*, **2016**, 4, 5973-5983	13	206
43	Biotemplated MnO/C microtubes from spirogyra with improved electrochemical performance for lithium-ion batterys. *Electrochimica Acta*, **2016**, 188, 210-217	6.7	39
42	Biomass derived hierarchical porous carbons as high-performance anodes for sodium-ion batteries. *Electrochimica Acta*, **2016**, 188, 103-110	6.7	171
41	High temperature oxidation and inter-diffusion behavior of electroplated Ni–Re diffusion barriers between NiCoCrAlY coating and orthorhombic-Ti 2 AlNb alloy. *Corrosion Science*, **2016**, 102, 200-208	6.8	18
40	Influence of thermal annealing on the microstructure, hardness and corrosion behavior of TiAlSiCuN nanocomposite films. *Surface and Interface Analysis*, **2016**, 48, 1310-1315	1.5	
39	Mesoporous flower-like Co 3 O 4 /C nanosheet composites and their performance evaluation as anodes for lithium ion batteries. *Electrochimica Acta*, **2016**, 207, 293-300	6.7	38
38	Sodiation vs. lithiation phase transformations in a high rate – high stability SnO2 in carbon nanocomposite. *Journal of Materials Chemistry A*, **2015**, 3, 7100-7111	13	90
37	Elastic ionogels with freeze-aligned pores exhibit enhanced electrochemical performances as anisotropic electrolytes of all-solid-state supercapacitors. *Journal of Materials Chemistry A*, **2015**, 3, 15408-15412	13	17
36	High rate SnO2–Graphene Dual Aerogel anodes and their kinetics of lithiation and sodiation. *Nano Energy*, **2015**, 15, 369-378	17.1	114
35	Peanut shell hybrid sodium ion capacitor with extreme energy–power rivals lithium ion capacitors. *Energy and Environmental Science*, **2015**, 8, 941-955	35.4	622
34	Fe3O4 nanoplates/carbon network synthesized by in situ pyrolysis of an organic–inorganic layered hybrid as a high-performance lithium-ion battery anode. *Journal of Materials Chemistry A*, **2015**, 3, 14210-14216	13	29
33	A low-cost and one-step synthesis of a novel hierarchically porous Fe3O4/C composite with exceptional porosity and superior Li+ storage performance. *RSC Advances*, **2015**, 5, 102993-102999	3.7	7
32	Cobalt oxide-carbon nanosheet nanoarchitecture as an anode for high-performance lithium-ion battery. *ACS Applied Materials & Interfaces*, **2015**, 7, 2882-90	9.5	92
31	Colossal pseudocapacitance in a high functionality–high surface area carbon anode doubles the energy of an asymmetric supercapacitor. *Energy and Environmental Science*, **2014**, 7, 1708-1718	35.4	320
30	Sulfur Refines MoO2 Distribution Enabling Improved Lithium Ion Battery Performance. *Journal of Physical Chemistry C*, **2014**, 118, 18387-18396	3.8	89

29	Hybrid device employing three-dimensional arrays of MnO in carbon nanosheets bridges battery-supercapacitor divide. *Nano Letters*, **2014**, 14, 1987-94	11.5	249
28	Tailoring Biomass-Derived Carbon Nanoarchitectures for High-Performance Supercapacitors. *ChemElectroChem*, **2014**, 1, 332-337	4.3	66
27	Tough BMIMCl-based ionogels exhibiting excellent and adjustable performance in high-temperature supercapacitors. *Journal of Materials Chemistry A*, **2014**, 2, 11569	13	71
26	Self-recovering tough gel electrolyte with adjustable supercapacitor performance. *Advanced Materials*, **2014**, 26, 4370-5	24	145
25	Tailoring Biomass-Derived Carbon Nanoarchitectures for High-Performance Supercapacitors. *ChemElectroChem*, **2014**, 1, 302-302	4.3	2
24	Nanocrystalline anatase TiO2: a new anode material for rechargeable sodium ion batteries. *Chemical Communications*, **2013**, 49, 8973-5	5.8	320
23	Carbon nanosheet frameworks derived from peat moss as high performance sodium ion battery anodes. *ACS Nano*, **2013**, 7, 11004-15	16.7	705
22	An unusual method to prepare a highly microporous carbon for hydrogen storage application. *Materials Letters*, **2013**, 100, 227-229	3.3	14
21	Mesoporous nitrogen-rich carbons derived from protein for ultra-high capacity battery anodes and supercapacitors. *Energy and Environmental Science*, **2013**, 6, 871	35.4	872
20	Supercapacitors based on carbons with tuned porosity derived from paper pulp mill sludge biowaste. *Carbon*, **2013**, 57, 317-328	10.4	129
19	Interconnected carbon nanosheets derived from hemp for ultrafast supercapacitors with high energy. *ACS Nano*, **2013**, 7, 5131-41	16.7	760
18	Improved electrochemical performance of hierarchical porous carbon/polyaniline composites. *Electrochimica Acta*, **2012**, 74, 98-104	6.7	29
17	Graphene-nickel cobaltite nanocomposite asymmetrical supercapacitor with commercial level mass loading. *Nano Research*, **2012**, 5, 605-617	10	321
16	Electrochemical Supercapacitor Electrodes from Sponge-like Graphene Nanoarchitectures with Ultrahigh Power Density. *Journal of Physical Chemistry Letters*, **2012**, 3, 2928-33	6.4	157
15	Carbonized Chicken Eggshell Membranes with 3D Architectures as High-Performance Electrode Materials for Supercapacitors. *Advanced Energy Materials*, **2012**, 2, 431-437	21.8	510
14	Carbonized Chicken Eggshell Membranes with 3D Architectures as High-Performance Electrode Materials for Supercapacitors (Adv. Energy Mater. 4/2012). *Advanced Energy Materials*, **2012**, 2, 430-430	21.8	8
13	Facile approach to prepare nickel cobaltite nanowire materials for supercapacitors. *Small*, **2011**, 7, 2454-9	11	381
12	Enhanced hydrogen storage capacity of nanosized copper loaded active carbons treated under CO2. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 7648-53	1.3	

11	Preparation of porous doped carbons and the high performance in electrochemical capacitors. *Microporous and Mesoporous Materials*, **2010**, 131, 89-96	5.3	77
10	Asymmetric capacitor based on superior porous Ni–Zn–Co oxide/hydroxide and carbon electrodes. *Journal of Power Sources*, **2010**, 195, 3017-3024	8.9	111
9	Hierarchical porous carbon obtained using the template of NaOH-treated zeolite Y and its high performance as supercapacitor. *Microporous and Mesoporous Materials*, **2010**, 133, 106-114	5.3	39
8	Influence of textural parameters on the catalytic behavior for CO oxidation over ordered mesoporous Co3O4. *Applied Catalysis B: Environmental*, **2010**, 97, 284-291	21.8	68
7	Porous carbons prepared by using metal–organic framework as the precursor for supercapacitors. *Carbon*, **2010**, 48, 3599-3606	10.4	302
6	Synthesis, characterization and energy-related applications of carbide-derived carbons obtained by the chlorination of boron carbide. *Carbon*, **2009**, 47, 820-828	10.4	42
5	High performance of nanoporous carbon in cryogenic hydrogen storage and electrochemical capacitance. *Carbon*, **2009**, 47, 2259-2268	10.4	70
4	High hydrogen storage capacity of porous carbons prepared by using activated carbon. *Journal of the American Chemical Society*, **2009**, 131, 7016-22	16.4	427
3	Evolution of Adsorption–Insertion–K+ storage behaviors in flower-like carbons with tunable heteroatom doping and graphitic structures. *Sustainable Energy and Fuels*,	5.8	1
2	Large-scale doping-engineering enables boron/nitrogen dual-doped porous carbon for high-performance zinc ion capacitors. *Rare Metals*,1	5.5	4
1	Spatially Confined Edge-to-Edge Strategy for Achieving Compact Na + /K + Storage: Constructing Hetero-Ni/Ni 3 S 2 in Densified Carbons. *Advanced Functional Materials*,2203291	15.6	2