

Nan Chen

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.

53
papers

3,456
citations

28
h-index

54
g-index

54
ext. papers

4,067
ext. citations

11.8
avg, IF

5.59
L-index

#	Paper	IF	Citations
53	A Flexible Aqueous Zinc-Iodine Micro-battery with Unprecedented Energy Density.. <i>Advanced Materials</i> , 2022 , e2109450	24	3
52	Solar-Driven Soil Remediation along with the Generation of Water Vapor and Electricity. <i>Nanomaterials</i> , 2022 , 12, 1800	5.4	0
51	2D Silicene Nanosheets for High-Performance Zinc-Ion Hybrid Capacitor Application. <i>ACS Nano</i> , 2021 , 15, 16533-16541	16.7	4
50	Few-Layer Siloxene as an Electrode for Superior High-Rate Zinc Ion Hybrid Capacitors. <i>ACS Energy Letters</i> , 2021 , 6, 1786-1794	20.1	11
49	The Advance and Perspective on Electrode Materials for Metal-Ion Hybrid Capacitors. <i>Advanced Energy and Sustainability Research</i> , 2021 , 2, 2100022	1.6	4
48	Custom-Built Graphene Acoustic-Absorbing Aerogel for Audio Signal Recognition. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100227	4.6	2
47	Graphene Oxide Assemblies for Sustainable Clean-Water Harvesting and Green-Electricity Generation. <i>Accounts of Materials Research</i> , 2021 , 2, 97-107	7.5	10
46	Reborn Three-Dimensional Graphene with Ultrahigh Volumetric Desalination Capacity. <i>Advanced Materials</i> , 2021 , 33, e2105853	24	12
45	Two-dimensional materials of group-IVA boosting the development of energy storage and conversion 2020 , 2, 54-71		50
44	Retarding Ostwald Ripening to Directly Cast 3D Porous Graphene Oxide Bulks at Open Ambient Conditions. <i>ACS Nano</i> , 2020 , 14, 6249-6257	16.7	11
43	Frontiers of carbon materials as capacitive deionization electrodes. <i>Dalton Transactions</i> , 2020 , 49, 5006-5014	14	16
42	Graphene quantum dots for energy storage and conversion: from fabrication to applications. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 421-436	7.8	46
41	The First Flexible Dual-Ion Microbattery Demonstrates Superior Capacity and Ultrahigh Energy Density: Small and Powerful. <i>Advanced Functional Materials</i> , 2020 , 30, 2002086	15.6	22
40	Porous carbon nanowire array for surface-enhanced Raman spectroscopy. <i>Nature Communications</i> , 2020 , 11, 4772	17.4	37
39	Large-Scale Production of Flexible, High-Voltage Hydroelectric Films Based on Solid Oxides. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 30927-30935	9.5	36
38	Axial heterostructure nanoarray as all-solid-state micro-supercapacitors. <i>International Journal of Energy Research</i> , 2019 , 43, 6013-6025	4.5	
37	Thermal Efficiency of Solar Steam Generation Approaching 100 % through Capillary Water Transport. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 19041-19046	16.4	82

36	MEG actualized by high-valent metal carrier transport. <i>Nano Energy</i> , 2019 , 65, 104047	17.1	9
35	Thermal Efficiency of Solar Steam Generation Approaching 100 % through Capillary Water Transport. <i>Angewandte Chemie</i> , 2019 , 131, 19217-19222	3.6	17
34	Intelligent multiple-liquid evaporation power generation platform using distinctive Jaboticaba-like carbon nanosphere@TiO ₂ nanowires. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 6766-6772	13	40
33	Gradient doped polymer nanowire for moistelectric nanogenerator. <i>Nano Energy</i> , 2018 , 46, 297-304	17.1	49
32	Processing and manufacturing of graphene-based microsupercapacitors. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 1750-1764	7.8	29
31	Hierarchical hole-enhanced 3D graphene assembly for highly efficient capacitive deionization. <i>Carbon</i> , 2018 , 129, 95-103	10.4	84
30	Carbon-Based, Metal-Free Catalysts for Photocatalysis 2018 , 457-500		0
29	Graphene/graphitic carbon nitride hybrids for catalysis. <i>Materials Horizons</i> , 2017 , 4, 832-850	14.4	130
28	Built Structure of Ordered Vertically Aligned Codoped Carbon Nanowire Arrays for Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 24840-24845	9.5	19
27	Growing ordered arrays of vertically aligned copolymer nanowires for supercapacitors with high stability. <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 3121-3127	2.6	1
26	A Responsive Battery with Controlled Energy Release. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14643-14647	16.4	31
25	A Responsive Battery with Controlled Energy Release. <i>Angewandte Chemie</i> , 2016 , 128, 14863-14867	3.6	15
24	A Large-Area, Flexible, and Flame-Retardant Graphene Paper. <i>Advanced Functional Materials</i> , 2016 , 26, 1470-1476	15.6	105
23	A General and Extremely Simple Remote Approach toward Graphene Bulks with In Situ Multifunctionalization. <i>Advanced Materials</i> , 2016 , 28, 3305-12	24	67
22	Direct spinning of fiber supercapacitor. <i>Nanoscale</i> , 2016 , 8, 12113-7	7.7	48
21	Three-dimensional graphitic carbon nitride functionalized graphene-based high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 6761-6766	13	146
20	Graphitic C ₃ N ₄ -Pt nanohybrids supported on a graphene network for highly efficient methanol oxidation. <i>Science China Materials</i> , 2015 , 58, 21-27	7.1	30
19	Growth of axial nested P-N heterojunction nanowires for high performance diodes. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 1785-9	3.6	6

18	Heteroatom substituted and decorated graphene: preparation and applications. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 32077-98	3.6	54
17	Tailored graphene systems for unconventional applications in energy conversion and storage devices. <i>Energy and Environmental Science</i> , 2015 , 8, 31-54	35.4	211
16	One-pot Synthesis of Nitrogen and Phosphorus Co-doped Graphene and Its Use as High-performance Electrocatalyst for Oxygen Reduction Reaction. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 2609-14	4.5	32
15	One-step preparation of iodine-doped graphitic carbon nitride nanosheets as efficient photocatalysts for visible light water splitting. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 4612-4619	13	182
14	Facile production of ultrathin graphitic carbon nitride nanoplatelets for efficient visible-light water splitting. <i>Nano Research</i> , 2015 , 8, 1718-1728	10	131
13	All-in-one graphene fiber supercapacitor. <i>Nanoscale</i> , 2014 , 6, 6448-51	7.7	174
12	Uniquely arranged graphene-on-graphene structure as a binder-free anode for high-performance lithium-ion batteries. <i>Small</i> , 2014 , 10, 5035-41	11	30
11	Spinning fabrication of graphene/polypyrrole composite fibers for all-solid-state, flexible fibriform supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12355	13	172
10	Preparation of multifunctional microchannel-network graphene foams. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 16786-16792	13	27
9	A powerful approach to functional graphene hybrids for high performance energy-related applications. <i>Energy and Environmental Science</i> , 2014 , 7, 3699-3708	35.4	68
8	Carbon nanotube/nanopipe composite vertical arrays for enhanced electrochemical capacitance. <i>Carbon</i> , 2013 , 64, 507-515	10.4	13
7	Highly nitrogen-doped carbon capsules: scalable preparation and high-performance applications in fuel cells and lithium ion batteries. <i>Nanoscale</i> , 2013 , 5, 2726-33	7.7	158
6	Textile electrodes woven by carbon nanotube-graphene hybrid fibers for flexible electrochemical capacitors. <i>Nanoscale</i> , 2013 , 5, 3428-34	7.7	274
5	Electronic logic gates from three-segment nanowires featuring two p/n heterojunctions. <i>NPG Asia Materials</i> , 2013 , 5, e59-e59	10.3	16
4	Graphene quantum dots: an emerging material for energy-related applications and beyond. <i>Energy and Environmental Science</i> , 2012 , 5, 8869	35.4	698
3	Synthesis and characterization of axial heterojunction inorganic-organic semiconductor nanowire arrays. <i>Dalton Transactions</i> , 2011 , 40, 10804-8	4.3	25
2	Growth Control for Architecture Molecular Conductor of Low Dimension Nanostructures. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 12982-12986	3.8	16
1	High-performance flexible and integratable MEG devices from sulfonated carbon solid acids containing strong Brønsted acid sites. <i>Journal of Materials Chemistry A</i> ,	13	2

