

# Yanfeng Dong

## List of Publications by Citations

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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.

61  
papers

5,149  
citations

34  
h-index

65  
g-index

65  
ext. papers

6,159  
ext. citations

11.7  
avg, IF

6.03  
L-index

#	Paper	IF	Citations
61	Enhancing lithium-sulphur battery performance by strongly binding the discharge products on amino-functionalized reduced graphene oxide. <i>Nature Communications</i> , <b>2014</b> , 5, 5002	17.4	792
60	Sustainable Synthesis and Assembly of Biomass-Derived B/N Co-Doped Carbon Nanosheets with Ultrahigh Aspect Ratio for High-Performance Supercapacitors. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 111-119	15.6	492
59	TiC MXene-Derived Sodium/Potassium Titanate Nanoribbons for High-Performance Sodium/Potassium Ion Batteries with Enhanced Capacities. <i>ACS Nano</i> , <b>2017</b> , 11, 4792-4800	16.7	412
58	Alkalized Ti3C2 MXene nanoribbons with expanded interlayer spacing for high-capacity sodium and potassium ion batteries. <i>Nano Energy</i> , <b>2017</b> , 40, 1-8	17.1	386
57	All-MXene-Based Integrated Electrode Constructed by TiC Nanoribbon Framework Host and Nanosheet Interlayer for High-Energy-Density Li-S Batteries. <i>ACS Nano</i> , <b>2018</b> , 12, 2381-2388	16.7	258
56	A Top-Down Strategy toward 3D Carbon Nanosheet Frameworks Decorated with Hollow Nanostructures for Superior Lithium Storage. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 7590-7598	15.6	168
55	2D transition metal carbide MXene as a robust biosensing platform for enzyme immobilization and ultrasensitive detection of phenol. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 107, 69-75	11.8	153
54	Graphene: a promising 2D material for electrochemical energy storage. <i>Science Bulletin</i> , <b>2017</b> , 62, 724-740	40.6	140
53	Freestanding Flexible Li2S Paper Electrode with High Mass and Capacity Loading for High-Energy LiS Batteries. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1700018	21.8	122
52	Carbon-Stabilized Interlayer-Expanded Few-Layer MoSe Nanosheets for Sodium Ion Batteries with Enhanced Rate Capability and Cycling Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 32324-32332	9.5	195
51	Interlayer expanded MoS2 enabled by edge effect of graphene nanoribbons for high performance lithium and sodium ion batteries. <i>Carbon</i> , <b>2016</b> , 109, 461-471	10.4	100
50	Sulfur-infiltrated graphene-backboned mesoporous carbon nanosheets with a conductive polymer coating for long-life lithium-sulfur batteries. <i>Nanoscale</i> , <b>2015</b> , 7, 7569-73	7.7	99
49	Free-standing integrated cathode derived from 3D graphene/carbon nanotube aerogels serving as binder-free sulfur host and interlayer for ultrahigh volumetric-energy-density lithium sulfur batteries. <i>Nano Energy</i> , <b>2019</b> , 60, 743-751	17.1	98
48	Conducting and Lithiophilic MXene/Graphene Framework for High-Capacity, Dendrite-Free Lithium-Metal Anodes. <i>ACS Nano</i> , <b>2019</b> , 13, 14308-14318	16.7	97
47	Recent Advances and Promise of MXene-Based Nanostructures for High-Performance Metal Ion Batteries. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2000706	15.6	93
46	3D Flexible, Conductive, and Recyclable TiCT MXene-Melamine Foam for High-Areal-Capacity and Long-Lifetime Alkali-Metal Anode. <i>ACS Nano</i> , <b>2020</b> , 14, 8678-8688	16.7	92
45	Dually fixed SnO2 nanoparticles on graphene nanosheets by polyaniline coating for superior lithium storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 2444-51	9.5	90

44	Low temperature plasma synthesis of mesoporous Fe <sub>3</sub> O <sub>4</sub> nanorods grafted on reduced graphene oxide for high performance lithium storage. <i>Nanoscale</i> , <b>2014</b> , 6, 2286-91	7.7	87
43	Flexible Paper-like Free-Standing Electrodes by Anchoring Ultrafine SnS Nanocrystals on Graphene Nanoribbons for High-Performance Sodium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 15484-15491	9.5	84
42	High Packing Density Unidirectional Arrays of Vertically Aligned Graphene with Enhanced Areal Capacitance for High-Power Micro-Supercapacitors. <i>ACS Nano</i> , <b>2017</b> , 11, 4009-4016	16.7	83
41	Ionic liquid pre-intercalated MXene films for ionogel-based flexible micro-supercapacitors with high volumetric energy density. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 9478-9485	13	74
40	A Two-Dimensional Mesoporous Polypyrrole-Graphene Oxide Heterostructure as a Dual-Functional Ion Redistributor for Dendrite-Free Lithium Metal Anodes. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 12147-12153	16.4	69
39	Cellular carbon-wrapped FeSe <sub>2</sub> nanocavities with ultrathin walls and multiple rooms for ion diffusion-confined ultrafast sodium storage. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 4469-4479	13	67
38	Nanopore-confined g-C <sub>3</sub> N <sub>4</sub> nanodots in N, S co-doped hollow porous carbon with boosted capacity for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 7133-7141	13	67
37	Nitrogen-rich carbon coupled multifunctional metal oxide/graphene nanohybrids for long-life lithium storage and efficient oxygen reduction. <i>Nano Energy</i> , <b>2015</b> , 12, 578-587	17.1	66
36	Nitrogen-doped graphene nanoribbons for high-performance lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 16832-16835	13	65
35	2D holey cobalt sulfide nanosheets derived from metal-organic frameworks for high-rate sodium ion batteries with superior cyclability. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 14324-14329	13	60
34	Hierarchical Ordered Dual-Mesoporous Polypyrrole/Graphene Nanosheets as Bi-Functional Active Materials for High-Performance Planar Integrated System of Micro-Supercapacitor and Gas Sensor. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1909756	15.6	55
33	Nitrogen-doped carbon nanotubes decorated with cobalt nanoparticles derived from zeolitic imidazolate framework-67 for highly efficient oxygen reduction reaction electrocatalysis. <i>Carbon</i> , <b>2018</b> , 132, 580-588	10.4	52
32	Ionogel-based sodium ion micro-batteries with a 3D Na-ion diffusion mechanism enable ultrahigh rate capability. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 821-829	35.4	47
31	Towards efficient electrocatalysts for oxygen reduction by doping cobalt into graphene-supported graphitic carbon nitride. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 19657-19661	13	40
30	Multifunctional nitrogen-doped graphene nanoribbon aerogels for superior lithium storage and cell culture. <i>Nanoscale</i> , <b>2016</b> , 8, 2159-67	7.7	38
29	Highly safe and ionothermal synthesis of Ti <sub>3</sub> C <sub>2</sub> MXene with expanded interlayer spacing for enhanced lithium storage. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 47, 203-209	12	36
28	Self-assembled sulfur/reduced graphene oxide nanoribbon paper as a free-standing electrode for high performance lithium-sulfur batteries. <i>Chemical Communications</i> , <b>2016</b> , 52, 12825-12828	5.8	34
27	Ultrasmall MoS <sub>2</sub> Nanosheets Mosaiced into Nitrogen-Doped Hierarchical Porous Carbon Matrix for Enhanced Sodium Storage Performance. <i>Electrochimica Acta</i> , <b>2017</b> , 225, 369-377	6.7	31

26	Compressible graphene aerogel supported CoO nanostructures as a binder-free electrode for high-performance lithium-ion batteries. <i>RSC Advances</i> , <b>2015</b> , 5, 8929-8932	3.7	31
25	2D hierarchical yolk-shell heterostructures as advanced host-interlayer integrated electrode for enhanced Li-S batteries. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 36, 64-73	12	29
24	Tailor-made graphene aerogels with inbuilt baffle plates by charge-induced template-directed assembly for high-performance LiS batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 21842-21848	13	29
23	Ultrafine Fe <sub>3</sub> O <sub>4</sub> Quantum Dots on Hybrid Carbon Nanosheets for Long-Life, High-Rate Alkali-Metal Storage. <i>ChemElectroChem</i> , <b>2016</b> , 3, 38-44	4.3	29
22	Rational design of metal oxide hollow nanostructures decorated carbon nanosheets for superior lithium storage. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 17718-17725	13	27
21	Pyridinic nitrogen enriched porous carbon derived from bimetal organic frameworks for high capacity zinc ion hybrid capacitors with remarkable rate capability. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 56, 404-411	12	24
20	All-Solid-State Planar Sodium-Ion Microcapacitors with Multidirectional Fast Ion Diffusion Pathways. <i>Advanced Science</i> , <b>2019</b> , 6, 1902147	13.6	23
19	Simplified fabrication of high areal capacitance all-solid-state micro-supercapacitors based on graphene and MnO <sub>2</sub> nanosheets. <i>Chinese Chemical Letters</i> , <b>2018</b> , 29, 582-586	8.1	23
18	General synthesis of zeolitic imidazolate framework-derived planar-N-doped porous carbon nanosheets for efficient oxygen reduction. <i>Energy Storage Materials</i> , <b>2017</b> , 7, 181-188	19.4	22
17	Graphene encapsulated iron nitrides confined in 3D carbon nanosheet frameworks for high-rate lithium ion batteries. <i>Carbon</i> , <b>2020</b> , 159, 213-220	10.4	22
16	Three dimensional Ti <sub>3</sub> C <sub>2</sub> MXene nanoribbon frameworks with uniform potassiophilic sites for the dendrite-free potassium metal anodes. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 4212-4219	5.1	20
15	Recent progress of carbon nanomaterials for high-performance cathodes and anodes in aqueous zinc ion batteries. <i>Energy Storage Materials</i> , <b>2021</b> , 41, 715-737	19.4	18
14	Easy synthesis of MnO-graphene hybrids for high-performance lithium storage. <i>New Carbon Materials</i> , <b>2014</b> , 29, 316-321	4.4	14
13	Flexible and high-energy-density Zn/MnO <sub>2</sub> batteries enabled by electrochemically exfoliated graphene nanosheets. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 653-657	3.6	14
12	Synthesis of 3D Flower-like Nanocomposites of Nitrogen-Doped Carbon Nanosheets Embedded with Hollow Cobalt(II,III) Oxide Nanospheres for Lithium Storage. <i>ChemElectroChem</i> , <b>2017</b> , 4, 102-108	4.3	12
11	A Two-Dimensional Mesoporous Polypyrrole-Graphene Oxide Heterostructure as a Dual-Functional Ion Redistributor for Dendrite-Free Lithium Metal Anodes. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 12245-12251	3.6	8
10	Embedding Co <sub>3</sub> O <sub>4</sub> nanoparticles into graphene nanoscrolls as anode for lithium ion batteries with superior capacity and outstanding cycling stability. <i>Progress in Natural Science: Materials International</i> , <b>2018</b> , 28, 212-217	3.6	8
9	Advanced design of cathodes and interlayers for high-performance lithium-selenium batteries. <i>SusMat</i> , <b>2021</b> , 1, 393-412		5

8	Urea-Mediated Monoliths Made of Nitrogen-Enriched Mesoporous Carbon Nanosheets for High-Performance Aqueous Zinc Ion Hybrid Capacitors.. <i>Small</i> , <b>2022</b> , e2108057	11	5
7	2D hybrid interlayer of electrochemically exfoliated graphene and Co(OH) <sub>2</sub> nanosheet as a bi-functionalized polysulfide barrier for high-performance lithium-sulfur batteries. <i>JPhys Energy</i> , <b>2019</b> , 1, 015002	4.9	4
6	Hybrid Nanostructures: Recent Advances and Promise of MXene-Based Nanostructures for High-Performance Metal Ion Batteries (Adv. Funct. Mater. 47/2020). <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2070310	15.6	3
5	Defective MnO <sub>2</sub> nanosheets based free-standing and high mass loading electrodes for high energy density aqueous zinc ion batteries. <i>Materials Chemistry Frontiers</i> ,	7.8	3
4	Redistributing Zn ion flux by bifunctional graphitic carbon nitride nanosheets for dendrite-free zinc metal anodes. <i>Journal of Materials Chemistry A</i> ,	13	2
3	Facile one-step synthesis of highly graphitized hierarchical porous carbon nanosheets with large surface area and high capacity for lithium storage. <i>RSC Advances</i> , <b>2016</b> , 6, 51146-51152	3.7	2
2	A porous membrane electrolyte enabled by poly(biphenyl piperidinium triphenylmethane) for dendrite-free zinc anode with enhanced cycling life. <i>Chemical Engineering Journal</i> , <b>2022</b> , 437, 135409	14.7	2
1	A general strategy based on the self-evolution of building blocks for the construction of one-dimensional hierarchically super-structured TiO <sub>2</sub> fibres. <i>CrystEngComm</i> , <b>2020</b> , 22, 4359-4362	3.3	