

Xufeng Zhou

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.

63

papers

3,831

citations

26

h-index

61

g-index

68

ext. papers

4,496

ext. citations

10.2

avg, IF

5.84

L-index

#	Paper	IF	Citations
63	MgSiO/Si-Coated Disproportionated SiO Composite Anodes with High Initial Coulombic Efficiency for Lithium Ion Batteries.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	1
62	Seamlessly Integrated Alloy-polymer Interphase for High-rate and Long-life Lithium Metal Anodes. <i>Materials Today Energy</i> , 2022 , 100988	7	
61	Laser-induced dynamic alignment and nonlinear-like optical transmission in liquid suspensions of 2D atomically thin nanomaterials. <i>Optics Express</i> , 2021 , 29, 36389-36399	3.3	0
60	Revealing Anion Adsorption Mechanism for Coating Layer on Separator toward Practical Li Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 23584-23591	9.5	7
59	High Li-Ion Conductivity Artificial Interface Enabled by Li-Grafted Graphene Oxide for Stable Li Metal Pouch Cell. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 29500-29510	9.5	0
58	Conformal Coating of a Carbon Film on 3D Hosts toward Stable Lithium Anodes. <i>ACS Applied Energy Materials</i> , 2021 , 4, 7288-7297	6.1	1
57	Nano-channel-based physical and chemical synergic regulation for dendrite-free lithium plating. <i>Nano Research</i> , 2021 , 14, 3585-3597	10	4
56	Graphene wrapped silicon suboxides anodes with suppressed Li-uptake behavior enabled superior cycling stability. <i>Energy Storage Materials</i> , 2021 , 35, 317-326	19.4	18
55	Graphene Modified Polyaniline-Hydrogel Based Stretchable Supercapacitor with High Capacitance and Excellent Stretching Stability. <i>ChemSusChem</i> , 2021 , 14, 938-945	8.3	14
54	Competitive Solvation-Induced Concurrent Protection on the Anode and Cathode toward a 400 Wh kg ⁻¹ Lithium Metal Battery. <i>ACS Energy Letters</i> , 2021 , 6, 115-123	20.1	25
53	Robust and durable flexible micro-supercapacitors enabled by graphene nanoscrolls. <i>Chemical Engineering Journal</i> , 2021 , 405, 127009	14.7	7
52	Ultrasmall Co ₃ O ₄ Nanoparticles Confined in P, N-Doped Carbon Matrices for High-Performance Supercapacitors. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 9225-9232	3.8	19
51	Photoacoustic identification of laser-induced microbubbles as light scattering centers for optical limiting in a liquid suspension of graphene nanosheets. <i>Nanoscale</i> , 2020 , 12, 7109-7115	7.7	7
50	All graphene electrode for high-performance asymmetric supercapacitor. <i>International Journal of Energy Research</i> , 2020 , 44, 1244-1255	4.5	10
49	Flexible asymmetric microsupercapacitor with high energy density based on all-graphene electrode system. <i>Journal of Materials Science</i> , 2020 , 55, 309-318	4.3	12
48	Niobium carbide/reduced graphene oxide hybrid porous aerogel as high capacity and long-life anode material for Li-ion batteries. <i>International Journal of Energy Research</i> , 2019 , 43, 4995-5003	4.5	26
47	A Comprehensive Understanding of Lithium Sulfur Battery Technology. <i>Advanced Functional Materials</i> , 2019 , 29, 1901730	15.6	156

46	Attapulgite nanofibers and graphene oxide composite membrane for high-performance molecular separation. <i>Journal of Colloid and Interface Science</i> , 2019 , 545, 276-281	9.3	19
45	Depressing the irreversible reactions on a three-dimensional interface towards a high-areal capacity lithium metal anode. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 6267-6274	13	10
44	Regulating capillary pressure to achieve ultralow areal mass loading metallic lithium anodes. <i>Energy Storage Materials</i> , 2019 , 23, 693-700	19.4	14
43	Graphene network nested Cu foam for reducing size of lithium metal towards stable metallic lithium anode. <i>Energy Storage Materials</i> , 2019 , 21, 107-114	19.4	24
42	Microscale Lithium Metal Stored inside Cellular Graphene Scaffold toward Advanced Metallic Lithium Anodes. <i>Advanced Energy Materials</i> , 2018 , 8, 1703152	21.8	113
41	Localized concentration reversal of lithium during intercalation into nanoparticles. <i>Science Advances</i> , 2018 , 4, eaao2608	14.3	44
40	3D Porous MXene (TiC)/Reduced Graphene Oxide Hybrid Films for Advanced Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 3634-3643	9.5	185
39	Graphene nested porous carbon current collector for lithium metal anode with ultrahigh areal capacity. <i>Energy Storage Materials</i> , 2018 , 15, 266-273	19.4	52
38	Graphene Sheets: Planar Alignment of Graphene Sheets by a Rotating Magnetic Field for Full Exploitation of Graphene as a 2D Material (Adv. Funct. Mater. 46/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870330	15.6	
37	Planar Alignment of Graphene Sheets by a Rotating Magnetic Field for Full Exploitation of Graphene as a 2D Material. <i>Advanced Functional Materials</i> , 2018 , 28, 1805255	15.6	20
36	Highly Reversible Li Plating Confined in Three-Dimensional Interconnected Microchannels toward High-Rate and Stable Metallic Lithium Anodes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 20387-20395	9.5	29
35	Nitrogen-Doped Graphene Nanoscroll Foam with High Diffusion Rate and Binding Affinity for Removal of Organic Pollutants. <i>Small</i> , 2017 , 13, 1603779	11	29
34	Solvent evaporation induced self-assembly of graphene foam for thermally conductive polymers. <i>RSC Advances</i> , 2017 , 7, 15469-15474	3.7	11
33	Hierarchical porous MnO/graphene composite aerogel as high-performance anode material for lithium ion batteries. <i>RSC Advances</i> , 2017 , 7, 15857-15863	3.7	18
32	Distinguishing thermal lens effect from electronic third-order nonlinear self-phase modulation in liquid suspensions of 2D nanomaterials. <i>Nanoscale</i> , 2017 , 9, 3547-3554	7.7	45
31	Large-Sized Few-Layer Graphene Enables an Ultrafast and Long-Life Aluminum-Ion Battery. <i>Advanced Energy Materials</i> , 2017 , 7, 1700034	21.8	160
30	A bifunctional hierarchical porous carbon network integrated with an in situ formed ultrathin graphene shell for stable lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 13674-13682	13	24
29	Graphene Flakes: Orientation Control of Graphene Flakes by Magnetic Field: Broad Device Applications of Macroscopically Aligned Graphene (Adv. Mater. 1/2017). <i>Advanced Materials</i> , 2017 , 29,	24	6

28	In situ preparation of FeO in a carbon hybrid of graphene nanoscrolls and carbon nanotubes as high performance anode material for lithium-ion batteries. <i>Nanotechnology</i> , 2017 , 28, 465401	3.4	6
27	Oriented Arrangement: The Origin of Versatility for Porous Graphene Materials. <i>Small</i> , 2017 , 13, 17012311		24
26	Orientation Control of Graphene Flakes by Magnetic Field: Broad Device Applications of Macroscopically Aligned Graphene. <i>Advanced Materials</i> , 2017 , 29, 1604453	24	50
25	Graphene/Sulfur Composites with a Foam-Like Porous Architecture and Controllable Pore Size for High Performance Lithium-Sulfur Batteries. <i>ChemNanoMat</i> , 2016 , 2, 952-958	3.5	15
24	Water-mediated cation intercalation of open-framework indium hexacyanoferrate with high voltage and fast kinetics. <i>Nature Communications</i> , 2016 , 7, 11982	17.4	73
23	Freestanding bacterial cellulose-graphene oxide composite membranes with high mechanical strength for selective ion permeation. <i>Scientific Reports</i> , 2016 , 6, 33185	4.9	58
22	A compressible and hierarchical porous graphene/Co composite aerogel for lithium-ion batteries with high gravimetric/volumetric capacity. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 6021-6028	13	17
21	Hydrothermal self-assembly of graphene foams with controllable pore size. <i>RSC Advances</i> , 2016 , 6, 20843-20849	3.7	24
20	Ordered self-assembly of amphipathic graphene nanosheets into three-dimensional layered architectures. <i>Nanoscale</i> , 2016 , 8, 197-203	7.7	23
19	Metal etching method for preparing porous graphene as high performance anode material for lithium-ion batteries. <i>Carbon</i> , 2015 , 89, 41-46	10.4	60
18	TiO ₂ (B)/CNT/graphene ternary composite anode material for lithium ion batteries. <i>RSC Advances</i> , 2015 , 5, 22449-22454	3.7	20
17	Towards High-Voltage Aqueous Metal-Ion Batteries Beyond 1.5 V: The Zinc/Zinc Hexacyanoferrate System. <i>Advanced Energy Materials</i> , 2015 , 5, 1400930	21.8	680
16	Morphology-Dependent Electrochemical Performance of Zinc Hexacyanoferrate Cathode for Zinc-Ion Battery. <i>Scientific Reports</i> , 2015 , 5, 18263	4.9	156
15	Porous Graphene-Like Materials Prepared from Hollow Carbonaceous Microspheres for Supercapacitors. <i>ChemNanoMat</i> , 2015 , 1, 422-429	3.5	6
14	Graphene/Sulfur/Carbon Nanocomposite for High Performance Lithium-Sulfur Batteries. <i>Nanomaterials</i> , 2015 , 5, 1481-1492	5.4	13
13	Two-Dimensional Porous Micro/Nano Metal Oxides Templated by Graphene Oxide. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 11984-90	9.5	41
12	Epoxy composites filled with one-dimensional SiC nanowires and two-dimensional graphene nanoplatelets hybrid nanofillers. <i>RSC Advances</i> , 2014 , 4, 59409-59417	3.7	21
11	Patterning of graphene microscale structures using electrohydrodynamic atomisation deposition of photoresist moulds. <i>Micro and Nano Letters</i> , 2014 , 9, 136-140	0.9	2

10	Sulfur/Carbon Nanotube Composite Film as a Flexible Cathode for Lithium Sulfur Batteries. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 21112-21119	3.8	121
9	Designed synthesis of LiMn ₂ O ₄ microspheres with adjustable hollow structures for lithium-ion battery applications. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 837-842	13	50
8	A 3D porous architecture of Si/graphene nanocomposite as high-performance anode materials for Li-ion batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 7724		182
7	Morphology controlled synthesis and modification of high-performance LiMnPO ₄ cathode materials for Li-ion batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 21144		86
6	Direct probing of density of states of reduced graphene oxides in a wide voltage range by tunneling junction. <i>Applied Physics Letters</i> , 2012 , 101, 183110	3-4	5
5	Mechanical and Thermal Properties of Epoxy Resin Nanocomposites Reinforced with Graphene Oxide. <i>Polymer-Plastics Technology and Engineering</i> , 2012 , 51, 251-256		116
4	Graphene modified LiFePO ₄ cathode materials for high power lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3353		420
3	Synthesis and electrochemical properties of layered lithium transition metal oxides. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2544-2549		69
2	A scalable, solution-phase processing route to graphene oxide and graphene ultralarge sheets. <i>Chemical Communications</i> , 2010 , 46, 2611-3	5.8	216
1	Morphology-controlled solvothermal synthesis of LiFePO ₄ as a cathode material for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2010 , 20, 8086		158