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List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Unlocking active metal site of Ti-MOF for boosted heterogeneous catalysis via a facile coordinative reconstruction. Nanotechnology, 2022, 33, 025401.	2.6	6
2	Tailoring oxygenated groups of monolithic cobalt-nitrogen-carbon frameworks for highly efficient hydrogen peroxide production in acidic media. Chemical Engineering Journal, 2022, 430, 132990.	12.7	29
3	Bismuth-based materials for rechargeable aqueous batteries and water desalination. Rare Metals, 2022, 41, 287-303.	7.1	24
4	Metalâ€Organic Frameworkâ€Based Materials for Aqueous Zincâ€Ion Batteries: Energy Storage Mechanism and Function. Chemical Record, 2022, 22, .	5.8	29
5	Achieving Highly Reversible Zinc Anodes via N, Nâ€Dimethylacetamide Enabled Znâ€lon Solvation Regulation. Small, 2022, 18, .	10.0	52
6	Boosting zinc storage performance via conductive materials. Materials Research Bulletin, 2021, 133, 111077.	5.2	19
7	High mass loading flower-like MnO ₂ on NiCo ₂ O ₄ deposited graphene/nickel foam as high-performance electrodes for asymmetric supercapacitors. RSC Advances, 2021, 11, 16161-16172.	3.6	14
8	MnO ₂ â€Based Materials for Environmental Applications. Advanced Materials, 2021, 33, e2004862.	21.0	252
9	Bioinspired interfacial engineering of a CoSe ₂ decorated carbon framework cathode towards temperature-tolerant and flexible Zn–air batteries. Nanoscale, 2021, 13, 3019-3026.	5.6	45
10	Metal-Organic Framework–Derived Structures for Next-Generation Rechargeable Batteries. , 2021, , 179-200.		1
11	Boosting Electrocatalytic Activity of 3dâ€Block Metal (Hydro)oxides by Ligandâ€Induced Conversion. Angewandte Chemie - International Edition, 2021, 60, 10614-10619.	13.8	101
12	Boosting Electrocatalytic Activity of 3dâ€Block Metal (Hydro)oxides by Ligandâ€Induced Conversion. Angewandte Chemie, 2021, 133, 10708-10713.	2.0	2
13	High‥ield Exfoliation of Ultrathin 2D Ni ₃ Cr ₂ P ₂ S ₉ and Ni ₃ Cr ₂ P ₂ Se ₉ Nanosheets. Small, 2021, 17, e2006866.	10.0	8
14	Bismuth Nanoparticle-Embedded Porous Carbon Frameworks as a High-Rate Chloride Storage Electrode for Water Desalination. ACS Applied Materials & Interfaces, 2021, 13, 21149-21156.	8.0	38
15	Achieving Enhanced Capacitive Deionization by Interfacial Coupling in PEDOT Reinforced Cobalt Hexacyanoferrate Nanoflake Arrays. Global Challenges, 2021, 5, 2000128.	3.6	7
16	Structural advantages and enhancement strategies of heterostructure water-splitting electrocatalysts. Cell Reports Physical Science, 2021, 2, 100443.	5.6	66
17	Ultraâ€Fast and Scalable Saline Immersion Strategy Enabling Uniform Zn Nucleation and Deposition for Highâ€Performance Znâ€Ion Batteries. Small, 2021, 17, e2101901.	10.0	65
18	Achieving long-cycle-life Zn-ion batteries through interfacial engineering of MnO2-polyaniline hybrid networks. Sustainable Materials and Technologies, 2021, 28, e00254.	3.3	28

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19	Fe-doping enabled a stable vanadium oxide cathode with rapid Zn diffusion channel for aqueous zinc-ion batteries. Materials Today Energy, 2021, 21, 100842.	4.7	39
20	MXene for aqueous zinc-based energy storage devices. Functional Materials Letters, 2021, 14, .	1.2	15
21	Preparation of Polyaniline-coated Composite Aerogel of MnO2 and Reduced Graphene Oxide for High-performance Zinc-ion Battery. Chinese Journal of Polymer Science (English Edition), 2020, 38, 514-521.	3.8	39
22	MnO ₂ Nanosheetâ€Assembled Hollow Polyhedron Grown on Carbon Cloth for Flexible Aqueous Zincâ€lon Batteries. ChemSusChem, 2020, 13, 1537-1545.	6.8	122
23	Three-Dimensional Ordered Porous Carbon for Energy Conversion and Storage Applications. Frontiers in Energy Research, 2020, 8, .	2.3	23
24	Intercalation and exfoliation chemistries of transition metal dichalcogenides. Journal of Materials Chemistry A, 2020, 8, 15417-15444.	10.3	154
25	Exploration of Energy Storage Materials for Water Desalination via Next-Generation Capacitive Deionization. Frontiers in Chemistry, 2020, 8, 415.	3.6	19
26	Ultrathin carbon boosted sodium storage performance in aqueous electrolyte. Functional Materials Letters, 2020, 13, 2030002.	1.2	10
27	Enabling Superior Sodium Capture for Efficient Water Desalination by a Tubular Polyaniline Decorated with Prussian Blue Nanocrystals. Advanced Materials, 2020, 32, e1907404.	21.0	168
28	Nonâ€3d Metal Modulation of a 2D Ni–Co Heterostructure Array as Multifunctional Electrocatalyst for Portable Overall Water Splitting. Small, 2020, 16, e1906775.	10.0	119
29	Stereoassembled V ₂ O ₅ @FeOOH Hollow Architectures with Lithiation Volumetric Strain Self-Reconstruction for Lithium-Ion Storage. Research, 2020, 2020, 2360796.	5.7	16
30	Bimetallic Metal-Organic Framework-Derived Carbon Nanotube-Based Frameworks for Enhanced Capacitive Deionization and Zn-Air Battery. Frontiers in Chemistry, 2019, 7, 449.	3.6	29
31	An ultra-dense NiS ₂ /reduced graphene oxide composite cathode for high-volumetric/gravimetric energy density nickel–zinc batteries. Journal of Materials Chemistry A, 2019, 7, 15654-15661.	10.3	108
32	Structural Engineering of Lowâ€Dimensional Metal–Organic Frameworks: Synthesis, Properties, and Applications. Advanced Science, 2019, 6, 1802373.	11.2	214
33	Efficient Production of Highâ€Quality Polystyreneâ€Functionalized Graphene via Graphite Exfoliation in Chloroform with a Heterobifunctional Hyperbranched Polyethylene as Stabilizer. Macromolecular Chemistry and Physics, 2019, 220, 1800577.	2.2	3
34	Efficient lithium extraction by membrane capacitive deionization incorporated with monovalent selective cation exchange membrane. Separation and Purification Technology, 2019, 210, 885-890.	7.9	112
35	A general and facile method for preparation of large-scale reduced graphene oxide films with controlled structures. Carbon, 2019, 143, 162-171.	10.3	30
36	Gram-Scale Preparation of 2D Transition Metal Hydroxide/Oxide Assembled Structures for Oxygen Evolution and Zn-Air Battery. ACS Applied Energy Materials, 2019, 2, 579-586.	5.1	32

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37	Preparation of two-dimensional assembled Ni–Mn–C ternary composites for high-performance all-solid-state flexible supercapacitors. Journal of Materials Chemistry A, 2018, 6, 24086-24091.	10.3	89
38	Metal-organic framework-derived structures for next-generation rechargeable batteries. Functional Materials Letters, 2018, 11, 1830006.	1.2	20
39	High-Performance Membrane Capacitive Deionization Based on Metalâ^'Organic Framework-Derived Hierarchical Carbon Structures. ACS Omega, 2018, 3, 8506-8513.	3.5	42
40	Boosting Lithium Storage Properties of MOF Derivatives through a Wet‧pinning Assembled Fiber Strategy. Chemistry - A European Journal, 2018, 24, 13792-13799.	3.3	68
41	Fabrication of high-performance MXene-based all-solid-state flexible microsupercapacitor based on a facile scratch method. Nanotechnology, 2018, 29, 445401.	2.6	44
42	Hybrid micro-/nano-structures derived from metal–organic frameworks: preparation and applications in energy storage and conversion. Chemical Society Reviews, 2017, 46, 2660-2677.	38.1	866
43	Facile Fabrication of Three-Dimensional Graphene and Metal–Organic Framework Composites and Their Derivatives for Flexible All-Solid-State Supercapacitors. Chemistry of Materials, 2017, 29, 6058-6065.	6.7	220
44	Recent Advances in Ultrathin Two-Dimensional Nanomaterials. Chemical Reviews, 2017, 117, 6225-6331.	47.7	3,940
45	Graphene Oxide Scroll Meshes Prepared by Molecular Combing for Transparent and Flexible Electrodes. Advanced Materials Technologies, 2017, 2, 1600231.	5.8	12
46	Bioinspired Design of Ultrathin 2D Bimetallic Metal–Organicâ€Framework Nanosheets Used as Biomimetic Enzymes. Advanced Materials, 2016, 28, 4149-4155.	21.0	440
47	Synthesis of Two-Dimensional CoS _{1.097} /Nitrogen-Doped Carbon Nanocomposites Using Metal–Organic Framework Nanosheets as Precursors for Supercapacitor Application. Journal of the American Chemical Society, 2016, 138, 6924-6927.	13.7	591
48	Preparation of Cobalt Sulfide Nanoparticle-Decorated Nitrogen and Sulfur Co-Doped Reduced Graphene Oxide Aerogel Used as a Highly Efficient Electrocatalyst for Oxygen Reduction Reaction. Small, 2016, 12, 5920-5926.	10.0	65
49	Selfâ€Assembly of Singleâ€Layer CoAlâ€Layered Double Hydroxide Nanosheets on 3D Graphene Network Used as Highly Efficient Electrocatalyst for Oxygen Evolution Reaction. Advanced Materials, 2016, 28, 7640-7645.	21.0	355
50	Ultrahigh Performance of Novel Capacitive Deionization Electrodes based on A Three-Dimensional Graphene Architecture with Nanopores. Scientific Reports, 2016, 6, 18966.	3.3	105
51	Solutionâ€Processed Twoâ€Dimensional Metal Dichalcogenideâ€Based Nanomaterials for Energy Storage and Conversion. Advanced Materials, 2016, 28, 6167-6196.	21.0	438
52	Reduced Graphene Oxideâ€Wrapped MoO ₃ Composites Prepared by Using Metal–Organic Frameworks as Precursor for All‣olid‣tate Flexible Supercapacitors. Advanced Materials, 2015, 27, 4695-4701.	21.0	388
53	Two-dimensional NiCo ₂ O ₄ nanosheet-coated three-dimensional graphene networks for high-rate, long-cycle-life supercapacitors. Nanoscale, 2015, 7, 7035-7039.	5.6	134
54	Electrochemical doping of three-dimensional graphene networks used as efficient electrocatalysts for oxygen reduction reaction. Nanoscale, 2015, 7, 9394-9398.	5.6	50

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55	TaS2 nanosheet-based room-temperature dosage meter for nitric oxide. APL Materials, 2014, 2, .	5.1	16
56	Grapheneâ€Based Materials for Solar Cell Applications. Advanced Energy Materials, 2014, 4, 1300574.	19.5	398
57	Atomicâ€Layerâ€Depositionâ€Assisted Formation of Carbon Nanoflakes on Metal Oxides and Energy Storage Application. Small, 2014, 10, 300-307.	10.0	60
58	Three-dimensional graphene materials: preparation, structures and application in supercapacitors. Energy and Environmental Science, 2014, 7, 1850-1865.	30.8	773
59	Au Nanoparticleâ€Modified MoS ₂ Nanosheetâ€Based Photoelectrochemical Cells for Water Splitting. Small, 2014, 10, 3537-3543.	10.0	265
60	Carbon Microbelt Aerogel Prepared by Waste Paper: An Efficient and Recyclable Sorbent for Oils and Organic Solvents. Small, 2014, 10, 3544-3550.	10.0	196
61	Redox-crosslinked graphene networks with enhanced electrochemical capacitance. Journal of Materials Chemistry A, 2014, 2, 12924.	10.3	44
62	Metal Oxideâ€Coated Threeâ€Dimensional Graphene Prepared by the Use of Metal–Organic Frameworks as Precursors. Angewandte Chemie - International Edition, 2014, 53, 1404-1409.	13.8	287
63	Water Splitting: Au Nanoparticle-Modified MoS2Nanosheet-Based Photoelectrochemical Cells for Water Splitting (Small 17/2014). Small, 2014, 10, 3536-3536.	10.0	2
64	A New Type of Porous Graphite Foams and Their Integrated Composites with Oxide/Polymer Core/Shell Nanowires for Supercapacitors: Structural Design, Fabrication, and Full Supercapacitor Demonstrations. Nano Letters, 2014, 14, 1651-1658.	9.1	428
65	Layer Thinning and Etching of Mechanically Exfoliated MoS ₂ Nanosheets by Thermal Annealing in Air. Small, 2013, 9, 3314-3319.	10.0	229
66	Ni3S2 nanorods/Ni foam composite electrode with low overpotential for electrocatalytic oxygen evolution. Energy and Environmental Science, 2013, 6, 2921.	30.8	939
67	Carbon Fiber Aerogel Made from Raw Cotton: A Novel, Efficient and Recyclable Sorbent for Oils and Organic Solvents. Advanced Materials, 2013, 25, 5916-5921.	21.0	600
68	Fabrication of Flexible, Allâ€Reduced Graphene Oxide Nonâ€Volatile Memory Devices. Advanced Materials, 2013, 25, 233-238.	21.0	207
69	Preparation of MoS ₂ â€Coated Threeâ€Đimensional Graphene Networks for Highâ€Performance Anode Material in Lithiumâ€ion Batteries. Small, 2013, 9, 3433-3438.	10.0	542
70	One-step synthesis of Ni ₃ S ₂ nanorod@Ni(OH) ₂ nanosheet core–shell nanostructures on a three-dimensional graphene network for high-performance supercapacitors. Energy and Environmental Science, 2013, 6, 2216-2221.	30.8	554
71	Threeâ€Dimensional Graphene Network Composites for Detection of Hydrogen Peroxide. Small, 2013, 9, 1703-1707.	10.0	107
72	Surfactantâ€Free Subâ€2 nm Ultrathin Triangular Gold Nanoframes. Small, 2013, 9, 2880-2886.	10.0	66

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73	Hollow core–shell nanostructure supercapacitor electrodes: gap matters. Energy and Environmental Science, 2012, 5, 9085.	30.8	184
74	Preparation of MoS ₂ â€Polyvinylpyrrolidone Nanocomposites for Flexible Nonvolatile Rewritable Memory Devices with Reduced Graphene Oxide Electrodes. Small, 2012, 8, 3517-3522.	10.0	393
75	Vapor–Liquid–Solid Growth of Endotaxial Semiconductor Nanowires. Nano Letters, 2012, 12, 5565-5570.	9.1	14
76	Controlled Synthesis of Carbon-Coated Cobalt Sulfide Nanostructures in Oil Phase with Enhanced Li Storage Performances. ACS Applied Materials & Interfaces, 2012, 4, 2999-3006.	8.0	137
77	Nanoporous Walls on Macroporous Foam: Rational Design of Electrodes to Push Areal Pseudocapacitance. Advanced Materials, 2012, 24, 4186-4190.	21.0	239
78	Single-layer graphene oxide sheet: a novel substrate for dip-pen nanolithography. Chemical Communications, 2011, 47, 10070.	4.1	16
79	Transparent, Flexible, All-Reduced Graphene Oxide Thin Film Transistors. ACS Nano, 2011, 5, 5038-5044.	14.6	305
80	Graphene Oxide as a Carbon Source for Controlled Growth of Carbon Nanowires. Small, 2011, 7, 1199-1202.	10.0	75
81	Preparation of Novel 3D Graphene Networks for Supercapacitor Applications. Small, 2011, 7, 3163-3168.	10.0	980
82	One-step growth of graphene–carbon nanotube hybrid materials by chemical vapor deposition. Carbon, 2011, 49, 2944-2949.	10.3	182
83	Origin of hysteresis in the transfer characteristic of carbon nanotube field effect transistor. Journal Physics D: Applied Physics, 2011, 44, 285301.	2.8	29
84	Allâ€Carbon Electronic Devices Fabricated by Directly Grown Singleâ€Walled Carbon Nanotubes on Reduced Graphene Oxide Electrodes. Advanced Materials, 2010, 22, 3058-3061.	21.0	201
85	Controlled growth of nano- and bio-arrays on patterned substrates. , 2010, , .		0
86	Bulk Heterojunction Polymer Memory Devices with Reduced Graphene Oxide as Electrodes. ACS Nano, 2010, 4, 3987-3992.	14.6	215
87	Controlled growth of nano-and bio-arrays on patterned substrates. , 2010, , .		0
88	Facile "Needle‧cratching―Method for Fast Catalyst Patterns Used for Large‧cale Growth of Densely Aligned Singleâ€Walled Carbonâ€Nanotube Arrays. Small, 2009, 5, 2061-2065.	10.0	25
89	Facile "Scratching―Method with Common Metal Objects To Generate Large-Scale Catalyst Patterns Used for Growth of Single-Walled Carbon Nanotubes. ACS Applied Materials & Interfaces, 2009, 1, 1873-1877.	8.0	8
90	Controlled Assembly of Gold Nanoparticles and Graphene Oxide Sheets on Dip Pen Nanolithography-Generated Templates. Langmuir, 2009, 25, 10455-10458.	3.5	54

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91	A composite of polyelectrolyte-grafted multi-walled carbon nanotubes and <i>in situ</i> polymerized polyaniline for the detection of low concentration triethylamine vapor. Nanotechnology, 2008, 19, 015503.	2.6	46
92	Compressible Zn–Air Batteries Based on Metal–Organic Frameworks Nanoflakeâ€Assembled Carbon Frameworks for Portable Motion and Temperature Monitors. Advanced Energy and Sustainability Research, 0, , 2200014.	5.8	10