Jun Mei

List of Publications by Year
in descending order

46	2,181	304743	243625
papers	citations	22 h-index	44 g-index

47	47	47	2952
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	2D/2D Heterostructures: Rational Design for Advanced Batteries and Electrocatalysis. Energy and Environmental Materials, 2022, 5, 115-132.	12.8	70
2	Phase engineering of dual active 2D Bi₂O₃-based nanocatalysts for alkaline hydrogen evolution reaction electrocatalysis. Journal of Materials Chemistry A, 2022, 10, 808-817.	10.3	10
3	Molybdenumâ€Promoted Surface Reconstruction in Polymorphic Cobalt for Initiating Rapid Oxygen Evolution. Advanced Energy Materials, 2022, 12, 2103247.	19.5	59
4	Phase engineering activation of low-cost iron-containing sulfide minerals for advanced electrocatalysis. Journal of Materials Science and Technology, 2022, 111, 181-188.	10.7	12
5	Molybdenumâ€Promoted Surface Reconstruction in Polymorphic Cobalt for Initiating Rapid Oxygen Evolution (Adv. Energy Mater. 5/2022). Advanced Energy Materials, 2022, 12, .	19.5	1
6	Frontispiece: Crystal Channel Engineering for Rapid Ion Transport: From Nature to Batteries. Chemistry - A European Journal, 2022, 28, .	3.3	0
7	Crystal Channel Engineering for Rapid Ion Transport: From Nature to Batteries. Chemistry - A European Journal, 2022, 28, .	3.3	6
8	Bioinspired Materials for Energy Storage. Small Methods, 2022, 6, e2101076.	8.6	25
9	Theoretical insight on mechanically robust graphene-nickel interfaces using chromium-substituted nickel and boron-doped graphene. Applied Surface Science, 2022, 593, 153356.	6.1	2
10	2D/2D Black Phosphorus/Nickel Hydroxide Heterostructures for Promoting Oxygen Evolution via Electronic Structure Modulation and Surface Reconstruction. Advanced Energy Materials, 2022, 12, .	19.5	37
11	MAXâ€phase Derived Tin Diselenide for 2D/2D Heterostructures with Ultralow Surface/Interface Transport Barriers toward Liâ€/Naâ€ions Storage. Small Methods, 2022, 6, .	8.6	5
12	Maximizing ionic transport of Li1+xAlxTi2-xP3O12 electrolytes for all-solid-state lithium-ion storage: A theoretical study. Journal of Materials Science and Technology, 2021, 73, 45-51.	10.7	12
13	High-added-value biomass-derived composites by chemically coupling post-consumer plastics with agricultural and forestry wastes. Journal of Cleaner Production, 2021, 284, 124768.	9.3	16
14	Interfacial Design on Grapheneâ€“Hematite Heterostructures for Enhancing Adsorption and Diffusion towards Superior Lithium Storage. Nanomaterials, 2021, 11, 81.	4.1	5
15	Understanding heterogeneous metal-mediated interfacial enhancement mechanisms in graphene-embedded copper matrix composites. Applied Surface Science, 2021, 541, 148524.	6.1	11
16	Bambooâ€Membrane Inspired Multilevel Ultrafast Interlayer Ion Transport for Superior Volumetric Energy Storage. Advanced Functional Materials, 2021, 31, 2100299.	14.9	27
17	In Situ Growth of Transition Metal Nanoparticles on Aluminosilicate Minerals for Oxygen Evolution. Advanced Energy and Sustainability Research, 2021, 2, 2100057.	5.8	3
18	Three-Dimensional Fast Na-Ion Transport in Sodium Titanate Nanoarchitectures via Engineering of Oxygen Vacancies and Bismuth Substitution. ACS Nano, 2021, 15, 13604-13615.	14.6	36

#	Article	IF	Citations
19	Nano Polymorphismâ€Enabled Redox Electrodes for Rechargeable Batteries. Advanced Materials, 2021, 33, e2004920.	21.0	23
20	Surfaceâ€Dependent Intermediate Adsorption Modulation on Iridiumâ€Modified Black Phosphorus Electrocatalysts for Efficient pHâ€Universal Water Splitting. Advanced Materials, 2021, 33, e2104638.	21.0	65
21	Bioinspired 2D Nanomaterials for Sustainable Applications. Advanced Materials, 2020, 32, e1902806.	21.0	84
22	Toward Promising Cathode Catalysts for Nonlithium Metalâ€“Oxygen Batteries. Advanced Energy Materials, 2020, 10, 1901997.	19.5	102
23	Probing Interface Manipulation of Metalâ€Graphene Composites via Doping and Vacancy Engineering towards Excellent Mechanical Strengths. ChemistrySelect, 2020, 5, 61-68.	1.5	3
24	Bioinspired 2D Nanomaterials: Bioinspired 2D Nanomaterials for Sustainable Applications (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 T	21.0	5
25	First Exploration on Electrochemical Activation of Lowâ€Cost Albite Mineral for Boosting Lithium Storage Capability. Advanced Sustainable Systems, 2020, 4, 2000057.	5.3	8
26	Two-dimensional metal oxide nanomaterials for sustainable energy applications. , 2020, , 39-72.		3
27	Strongly interfacial-coupled 2D-2D TiO2/g-C3N4 heterostructure for enhanced visible-light induced synthesis and conversion. Journal of Hazardous Materials, 2020, 394, 122529.	12.4	118
28	Two-dimensional fluorine-free mesoporous Mo2C MXene via UV-induced selective etching of Mo2Ga2C for energy storage. Sustainable Materials and Technologies, 2020, 25, e00156.	3.3	89
29	Thermal reduction of sulfur-containing MAX phase for MXene production. Chemical Engineering Journal, 2020, 395, 125111.	12.7	116
30	Carbonâ€“Phosphorus Bonds-Enriched 3D Graphene by Self-Sacrificing Black Phosphorus Nanosheets for Elevating Capacitive Lithium Storage. ACS Applied Materials & Interfaces, 2020, 12, 21720-21729.	8.0	33
31	Two-Dimensional Bismuth Oxide Heterostructured Nanosheets for Lithium- and Sodium-Ion Storages. ACS Applied Materials & Interfaces, 2019, 11, 28205-28212.	8.0	52
32	Black phosphorus nanosheets promoted 2D-TiO2-2D heterostructured anode for high-performance lithium storage. Energy Storage Materials, 2019, 19, 424-431.	18.0	69
33	Cobalt oxide-based nanoarchitectures for electrochemical energy applications. Progress in Materials Science, 2019, 103, 596-677.	32.8	166
34	Honeycombâ€Inspired Heterogeneous Bimetallic Coâ€“Mo Oxide Nanoarchitectures for Highâ€Rate Electrochemical Lithium Storage. Small Methods, 2019, 3, 1900055.	8.6	40
35	Nonlithium Metalâ€“Sulfur Batteries: Steps Toward a Leap. Advanced Materials, 2019, 31, e1802822.	21.0	168
36	Strategies for improving the lithium-storage performance of 2D nanomaterials. National Science Review, 2018, 5, 389-416.	9.5	108

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37	Two-dimensional metal oxide nanosheets for rechargeable batteries. Journal of Energy Chemistry, 2018, 27, 117-127.	12.9	105
38	Hydrothermal Synthesis of Rock Candy-Shaped Mn3O4 Nanoparticles with High-Stability Electrochemical Performances. Journal of Nanoscience and Nanotechnology, 2018, 18, 3682-3685.	0.9	0
39	Twoâ€Dimensional Metal Oxide Nanomaterials for Nextâ€Generation Rechargeable Batteries. Advanced Materials, 2017, 29, 1700176.	21.0	317
40	2D Metal Oxides: Twoâ€Dimensional Metal Oxide Nanomaterials for Nextâ€Generation Rechargeable Batteries (Adv. Mater. 48/2017). Advanced Materials, 2017, 29, 1770344.	21.0	14
41	A facile functionalized routine for the synthesis of imidazolium-based anion-exchange membrane with excellent alkaline stability. Journal of Membrane Science, 2016, 505, 138-147.	8.2	63
42	Facile and economic synthesis of nitrogen doped graphene/manganese dioxide composites in aqueous solution for energy storage devices. Materials Letters, 2015, 143, 163-166.	2.6	12
43	Ultrasonic-assisted self-assembly synthesis of highly dispersed Î²-MnO₂ nano-branches interwoven with graphene flakes for catalytic oxidation of aromatic compounds. RSC Advances, 2015, 5, 14843-14850.	3.6	13
44	Fabrication of the magnetic manganese dioxide/graphene nanocomposite and its application in dye removal from the aqueous solution at room temperature. Materials Research Bulletin, 2015, 70, 82-86.	5.2	17
45	Anchoring High-dispersed MnO 2 Nanowires on Nitrogen Doped Graphene as Electrode Materials for Supercapacitors. Electrochimica Acta, 2015, 173, 338-344.	5.2	38
46	Novel MnOOHâ€“graphene nanocomposites: Preparation, characterization and electrochemical properties for supercapacitors. Journal of Solid State Chemistry, 2015, 221, 178-183.	2.9	12