

# Jun Mei

## List of Publications by Year in descending order

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46  
papers

2,181  
citations

304743

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243625

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docs citations

47  
times ranked

2952  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-dimensional Metal Oxide Nanomaterials for Next-generation Rechargeable Batteries. <i>Advanced Materials</i> , 2017, 29, 1700176.	21.0	317
2	Nonlithium Metal–Sulfur Batteries: Steps Toward a Leap. <i>Advanced Materials</i> , 2019, 31, e1802822.	21.0	168
3	Cobalt oxide-based nanoarchitectures for electrochemical energy applications. <i>Progress in Materials Science</i> , 2019, 103, 596-677.	32.8	166
4	Strongly interfacial-coupled 2D-2D TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> heterostructure for enhanced visible-light induced synthesis and conversion. <i>Journal of Hazardous Materials</i> , 2020, 394, 122529.	12.4	118
5	Thermal reduction of sulfur-containing MAX phase for MXene production. <i>Chemical Engineering Journal</i> , 2020, 395, 125111.	12.7	116
6	Strategies for improving the lithium-storage performance of 2D nanomaterials. <i>National Science Review</i> , 2018, 5, 389-416.	9.5	108
7	Two-dimensional metal oxide nanosheets for rechargeable batteries. <i>Journal of Energy Chemistry</i> , 2018, 27, 117-127.	12.9	105
8	Toward Promising Cathode Catalysts for Nonlithium Metal–Oxygen Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 1901997.	19.5	102
9	Two-dimensional fluorine-free mesoporous Mo <sub>2</sub> C MXene via UV-induced selective etching of Mo <sub>2</sub> Ga <sub>2</sub> C for energy storage. <i>Sustainable Materials and Technologies</i> , 2020, 25, e00156.	3.3	89
10	Bioinspired 2D Nanomaterials for Sustainable Applications. <i>Advanced Materials</i> , 2020, 32, e1902806.	21.0	84
11	2D/2D Heterostructures: Rational Design for Advanced Batteries and Electrocatalysis. <i>Energy and Environmental Materials</i> , 2022, 5, 115-132.	12.8	70
12	Black phosphorus nanosheets promoted 2D-TiO <sub>2</sub> -2D heterostructured anode for high-performance lithium storage. <i>Energy Storage Materials</i> , 2019, 19, 424-431.	18.0	69
13	Surface-dependent Intermediate Adsorption Modulation on Iridium-modified Black Phosphorus Electrocatalysts for Efficient pH-universal Water Splitting. <i>Advanced Materials</i> , 2021, 33, e2104638.	21.0	65
14	A facile functionalized routine for the synthesis of imidazolium-based anion-exchange membrane with excellent alkaline stability. <i>Journal of Membrane Science</i> , 2016, 505, 138-147.	8.2	63
15	Molybdenum-promoted Surface Reconstruction in Polymorphic Cobalt for Initiating Rapid Oxygen Evolution. <i>Advanced Energy Materials</i> , 2022, 12, 2103247.	19.5	59
16	Two-Dimensional Bismuth Oxide Heterostructured Nanosheets for Lithium- and Sodium-Ion Storages. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 28205-28212.	8.0	52
17	Honeycomb-inspired Heterogeneous Bimetallic Co–Mo Oxide Nanoarchitectures for High-rate Electrochemical Lithium Storage. <i>Small Methods</i> , 2019, 3, 1900055.	8.6	40
18	Anchoring High-dispersed MnO <sub>2</sub> Nanowires on Nitrogen Doped Graphene as Electrode Materials for Supercapacitors. <i>Electrochimica Acta</i> , 2015, 173, 338-344.	5.2	38

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19	2D/2D Black Phosphorus/Nickel Hydroxide Heterostructures for Promoting Oxygen Evolution via Electronic Structure Modulation and Surface Reconstruction. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	37
20	Three-Dimensional Fast Na-Ion Transport in Sodium Titanate Nanoarchitectures via Engineering of Oxygen Vacancies and Bismuth Substitution. <i>ACS Nano</i> , 2021, 15, 13604-13615.	14.6	36
21	Carbon-Phosphorus Bonds-Enriched 3D Graphene by Self-Sacrificing Black Phosphorus Nanosheets for Elevating Capacitive Lithium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 21720-21729.	8.0	33
22	Bamboo-Membrane Inspired Multilevel Ultrafast Interlayer Ion Transport for Superior Volumetric Energy Storage. <i>Advanced Functional Materials</i> , 2021, 31, 2100299.	14.9	27
23	Bioinspired Materials for Energy Storage. <i>Small Methods</i> , 2022, 6, e2101076.	8.6	25
24	Nano Polymorphism-Enabled Redox Electrodes for Rechargeable Batteries. <i>Advanced Materials</i> , 2021, 33, e2004920.	21.0	23
25	Fabrication of the magnetic manganese dioxide/graphene nanocomposite and its application in dye removal from the aqueous solution at room temperature. <i>Materials Research Bulletin</i> , 2015, 70, 82-86.	5.2	17
26	High-added-value biomass-derived composites by chemically coupling post-consumer plastics with agricultural and forestry wastes. <i>Journal of Cleaner Production</i> , 2021, 284, 124768.	9.3	16
27	2D Metal Oxides: Two-Dimensional Metal Oxide Nanomaterials for Next-Generation Rechargeable Batteries ( <i>Adv. Mater.</i> 48/2017). <i>Advanced Materials</i> , 2017, 29, 1770344.	21.0	14
28	Ultrasonic-assisted self-assembly synthesis of highly dispersed $\text{MnO}_2$ nano-branches interwoven with graphene flakes for catalytic oxidation of aromatic compounds. <i>RSC Advances</i> , 2015, 5, 14843-14850.	3.6	13
29	Facile and economic synthesis of nitrogen doped graphene/manganese dioxide composites in aqueous solution for energy storage devices. <i>Materials Letters</i> , 2015, 143, 163-166.	2.6	12
30	Novel $\text{MnOOH}$ -graphene nanocomposites: Preparation, characterization and electrochemical properties for supercapacitors. <i>Journal of Solid State Chemistry</i> , 2015, 221, 178-183.	2.9	12
31	Maximizing ionic transport of $\text{Li}_{1+x}\text{Al}_x\text{Ti}_2\text{-xP}_3\text{O}_{12}$ electrolytes for all-solid-state lithium-ion storage: A theoretical study. <i>Journal of Materials Science and Technology</i> , 2021, 73, 45-51.	10.7	12
32	Phase engineering activation of low-cost iron-containing sulfide minerals for advanced electrocatalysis. <i>Journal of Materials Science and Technology</i> , 2022, 111, 181-188.	10.7	12
33	Understanding heterogeneous metal-mediated interfacial enhancement mechanisms in graphene-embedded copper matrix composites. <i>Applied Surface Science</i> , 2021, 541, 148524.	6.1	11
34	Phase engineering of dual active $\text{Bi}_2\text{O}_3$ -based nanocatalysts for alkaline hydrogen evolution reaction electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2022, 10, 808-817.	10.3	10
35	First Exploration on Electrochemical Activation of Low-Cost Albite Mineral for Boosting Lithium Storage Capability. <i>Advanced Sustainable Systems</i> , 2020, 4, 2000057.	5.3	8
36	Crystal Channel Engineering for Rapid Ion Transport: From Nature to Batteries. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	6

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37	Bioinspired 2D Nanomaterials: Bioinspired 2D Nanomaterials for Sustainable Applications (Adv. Mater.) Tj ETQq1 1 0,784314 5rgBT /Over 21.0		
38	Interfacial Design on Graphene-Hematite Heterostructures for Enhancing Adsorption and Diffusion towards Superior Lithium Storage. Nanomaterials, 2021, 11, 81.	4.1	5
39	MAX-phase Derived Tin Diselenide for 2D/2D Heterostructures with Ultralow Surface/Interface Transport Barriers toward Li/Na-ions Storage. Small Methods, 2022, 6, .	8.6	5
40	Probing Interface Manipulation of Metal-Graphene Composites via Doping and Vacancy Engineering towards Excellent Mechanical Strengths. ChemistrySelect, 2020, 5, 61-68.	1.5	3
41	Two-dimensional metal oxide nanomaterials for sustainable energy applications. , 2020, , 39-72.		3
42	In Situ Growth of Transition Metal Nanoparticles on Aluminosilicate Minerals for Oxygen Evolution. Advanced Energy and Sustainability Research, 2021, 2, 2100057.	5.8	3
43	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
44	Molybdenum-Promoted Surface Reconstruction in Polymorphic Cobalt for Initiating Rapid Oxygen Evolution (Adv. Energy Mater. 5/2022). Advanced Energy Materials, 2022, 12, .	19.5	1
45	Hydrothermal Synthesis of Rock Candy-Shaped Mn <sub>3</sub> O <sub>4</sub> Nanoparticles with High-Stability Electrochemical Performances. Journal of Nanoscience and Nanotechnology, 2018, 18, 3682-3685.	0.9	0
46	Frontispiece: Crystal Channel Engineering for Rapid Ion Transport: From Nature to Batteries. Chemistry - A European Journal, 2022, 28, .	3.3	0