Yu Gao

List of Publications by Year in descending order

50 papers	3,653 citations	136950 32 h-index	197818 49 g-index
51 all docs	51 docs citations	51 times ranked	4853 citing authors

#	Article	IF	Citations
1	Chlorophyll derivative intercalation into Nb2C MXene for lithium-ion energy storage. Journal of Materials Science, 2022, 57, 9971-9979.	3.7	10
2	Electrospun Ti₃C₂T _x MXene and silicon embedded in carbon nanofibers for lithium-ion batteries. Journal Physics D: Applied Physics, 2022, 55, 204002.	2.8	6
3	A synergistic Ti3C2T /PPy bilayer electrochemical actuator. Applied Surface Science, 2022, 583, 152403.	6.1	9
4	Synthesis of Chl@Ti3C2 composites as an anode material for lithium storage. Frontiers of Chemical Science and Engineering, 2021, 15, 709-716.	4.4	10
5	Mechanisms of the Planar Growth of Lithium Metal Enabled by the 2D Lattice Confinement from a Ti₃C₂T_x MXene Intermediate Layer. Advanced Functional Materials, 2021, 31, 2010987.	14.9	33
6	Polymorph Engineering for Boosted Volumetric Naâ€Ion and Liâ€Ion Storage. Advanced Materials, 2021, 33, e2100210.	21.0	32
7	Solution combustion synthesis of a nanometer-scale Co₃O₄ anode material for Li-ion batteries. Beilstein Journal of Nanotechnology, 2021, 12, 424-431.	2.8	5
8	Interfaceâ€Induced Selfâ€Assembly Strategy Toward 2D Ordered Mesoporous Carbon/MXene Heterostructures for Highâ€Performance Supercapacitors. ChemSusChem, 2021, 14, 4422-4430.	6.8	14
9	Induction of Planar Sodium Growth on MXene (Ti₃C₂T_x)-Modified Carbon Cloth Hosts for Flexible Sodium Metal Anodes. ACS Nano, 2020, 14, 8744-8753.	14.6	125
10	Electrical and Elastic Properties of Individual Singleâ€Layer Nb₄C₃T_x MXene Flakes. Advanced Electronic Materials, 2020, 6, 1901382.	5.1	134
11	Flexible Nb₄C₃T_x Film with Large Interlayer Spacing for Highâ€Performance Supercapacitors. Advanced Functional Materials, 2020, 30, 2000815.	14.9	92
12	Computational Screening of 2D Ordered Double Transition-Metal Carbides (MXenes) as Electrocatalysts for Hydrogen Evolution Reaction. Journal of Physical Chemistry C, 2020, 124, 10584-10592.	3.1	62
13	Electrochemical Behavior of Ti₃C₂T_x MXene in Environmentally Friendly Methanesulfonic Acid Electrolyte. ChemSusChem, 2019, 12, 4480-4486.	6.8	19
14	Intercalation pseudocapacitance in a NASICON-structured Na₂CrTi(PO₄)₃@carbon nanocomposite: towards high-rate and long-lifespan sodium-ion-based energy storage. Journal of Materials Chemistry A, 2019, 7, 20604-20613.	10.3	18
15	Surfaceâ€Modified Metallic Ti₃C₂T_x MXene as Electron Transport Layer for Planar Heterojunction Perovskite Solar Cells. Advanced Functional Materials, 2019, 29, 1905694.	14.9	125
16	Electrochemical Interaction of Sn-Containing MAX Phase (Nb₂SnC) with Li-Ions. ACS Energy Letters, 2019, 4, 2452-2457.	17.4	36
17	2D MXenes as Co-catalysts in Photocatalysis: Synthetic Methods. Nano-Micro Letters, 2019, 11, 79.	27.0	160
18	Electrochemical Actuators Based on Two-Dimensional Ti₃C₂T_x (MXene). Nano Letters, 2019, 19, 7443-7448.	9.1	108

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19	Eosin Y-sensitized partially oxidized Ti₃C₂ MXene for photocatalytic hydrogen evolution. Catalysis Science and Technology, 2019, 9, 310-315.	4.1	83
20	SnO₂â€“Ti₃C₂ MXene electron transport layers for perovskite solar cells. Journal of Materials Chemistry A, 2019, 7, 5635-5642.	10.3	173
21	Revealing the Pseudoâ€Intercalation Charge Storage Mechanism of MXenes in Acidic Electrolyte. Advanced Functional Materials, 2019, 29, 1902953.	14.9	176
22	Lithiophilic Three-Dimensional Porous Ti₃C₂T_x-rGO Membrane as a Stable Scaffold for Safe Alkali Metal (Li or Na) Anodes. ACS Nano, 2019, 13, 14319-14328.	14.6	123
23	g-C₃N₄/Ti₃C₂T_x (MXenes) composite with oxidized surface groups for efficient photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2018, 6, 9124-9131.	10.3	233
24	Assembly of Na₃V₂(PO₄)₂F₃@C nanoparticles in reduced graphene oxide enabling superior Na⁺ storage for symmetric sodium batteries. RSC Advances, 2018, 8, 2958-2962.	3.6	44
25	Moving to Aqueous Binder: A Valid Approach to Achieving Highâ€Rate Capability and Longâ€Term Durability for Sodiumâ€Ion Battery. Advanced Science, 2018, 5, 1700768.	11.2	82
26	High Rate Capability and Enhanced Cyclability of Na₃V₂(PO₄)₂F₃ Cathode by Inâ€…Situ Coating of Carbon Nanofibers for Sodiumâ€Ion Battery Applications. Chemistry - A European Journal, 2018, 24, 2913-2919.	3.3	34
27	VS₄ Nanoparticles Anchored on Graphene Sheets as a Highâ€Rate and Stable Electrode Material for Sodium Ion Batteries. ChemSusChem, 2018, 11, 735-742.	6.8	93
28	Mesoporous TiN microspheres as an efficient polysulfide barrier for lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2018, 6, 14359-14366.	10.3	96
29	Dual Roles of Li₃N as an Electrode Additive for Liâ€Excess Layered Cathode Materials: A Liâ€Ion Sacrificial Salt and Electrodeâ€Stabilizing Agent. Chemistry - A European Journal, 2018, 24, 13815-13820.	3.3	29
30	Fast Potassium Storage in Hierarchical Ca_{0.5}Ti₂(PO₄)₃@C Microspheres Enabling Highâ€Performance Potassiumâ€Ion Capacitors. Advanced Functional Materials, 2018, 28, 1802684.	14.9	153
31	Fabrication of Hierarchical Potassium Titanium Phosphate Spheroids: A Host Material for Sodiumâ€Ion and Potassiumâ€Ion Storage. Advanced Energy Materials, 2018, 8, 1801102.	19.5	104
32	Flexible MnSâ€“Carbon Fiber Hybrids for Lithiumâ€Ion and Sodiumâ€Ion Energy Storage. Chemistry - A European Journal, 2018, 24, 13535-13539.	3.3	58
33	Amorphous Tinâ€Based Composite Oxide: A Highâ€Rate and Ultralongâ€Life Sodiumâ€Ionâ€Storage Material. Advanced Energy Materials, 2018, 8, 1701827.	19.5	113
34	Electrochemical Performance and Storage Mechanism of Ag₂Mo₂O₇ Microâ€rods as the Anode Material for Lithiumâ€Ion Batteries. Chemistry - A European Journal, 2017, 23, 5148-5153.	3.3	8
35	Li-ion uptake and increase in interlayer spacing of Nb4C3 MXene. Energy Storage Materials, 2017, 8, 42-48.	18.0	192
36	Improved Lithiumâ€Ion and Sodiumâ€Ion Storage Properties from Fewâ€Layered WS₂ Nanosheets Embedded in a Mesoporous CMKâ€3 Matrix. Chemistry - A European Journal, 2017, 23, 7074-7080.	3.3	75

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37	Co₉S₈/Co as a Highâ€Performance Anode for Sodiumâ€Ion Batteries with an Etherâ€Based Electrolyte. ChemSusChem, 2017, 10, 4778-4785.	6.8	29
38	Selfâ€Assembled CoS Nanoflowers Wrapped in Reduced Graphene Oxides as the Highâ€Performance Anode Materials for Sodiumâ€Ion Batteries. Chemistry - A European Journal, 2017, 23, 13150-13157.	3.3	43
39	Investigation of chloride ion adsorption onto Ti₂C MXene monolayers by first-principles calculations. Journal of Materials Chemistry A, 2017, 5, 24720-24727.	10.3	57
40	A long cycle-life and high safety Na⁺/Mg²⁺ hybrid-ion battery built by using a TiS₂ derived titanium sulfide cathode. Journal of Materials Chemistry A, 2017, 5, 600-608.	10.3	57
41	First-Principles Calculations of Ti₂N and Ti₂NT₂ (T = O, F, OH) Monolayers as Potential Anode Materials for Lithium-Ion Batteries and Beyond. Journal of Physical Chemistry C, 2017, 121, 13025-13034.	3.1	151
42	Lithiumâ€Rich Layered Oxide Li_{1.18}Ni_{0.15}Co_{0.15}Mn_{0.52}O₂ as the Cathode Material for Hybrid Sodiumâ€Ion Batteries. Chemistry - A European Journal, 2016, 22, 11610-11616.	3.3	14
43	Electrochemical Properties and Sodiumâ€Storage Mechanism of Ag₂Mo₂O₇ as the Anode Material for Sodiumâ€Ion Batteries. Chemistry - A European Journal, 2016, 22, 7248-7254.	3.3	28
44	Li⁺/Mg²⁺ Hybridâ€Ion Batteries with Long Cycle Life and High Rate Capability Employing MoS₂ Nano Flowers as the Cathode Material. Chemistry - A European Journal, 2016, 22, 18073-18079.	3.3	40
45	Frontispiece: Lithiumâ€Rich Layered Oxide Li_{1.18}Ni_{0.15}Co_{0.15}Mn_{0.52}O₂ as the Cathode Material for Hybrid Sodiumâ€Ion Batteries. Chemistry - A European Journal, 2016, 22, .	3.3	0
46	Cu₃V₂O₈ Nanoparticles as Intercalationâ€Type Anode Material for Lithiumâ€Ion Batteries. Chemistry - A European Journal, 2016, 22, 11405-11412.	3.3	51
47	Core/Double-Shell Structured Na₃V₂(PO₄)₂F₃@C Nanocomposite as the High Power and Long Lifespan Cathode for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 31709-31715.	8.0	147
48	Multi-Functional Surface Engineering for Li-Excess Layered Cathode Material Targeting Excellent Electrochemical and Thermal Safety Properties. ACS Applied Materials & Interfaces, 2016, 8, 3308-3318.	8.0	46
49	Copper-Doped Titanium Dioxide Bronze Nanowires with Superior High Rate Capability for Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 7957-7965.	8.0	47
50	High-Performance Li(Li_{0.18}Ni_{0.15}Co_{0.15}Mn_{0.52})O₂@Li₄M₅C Heterostructured Cathode Material Coated with a Lithium Borate Oxide Glass Layer. Chemistry of Materials, 2015, 27, 5745-5754.	6.7	76