Na Li

List of Publications by Year in Descending Order

24 papers	1,095 citations	13 h-index	25 g-index
25 ext. papers	1,544 ext. citations	10.8 avg, IF	4.79 L-index

#	Paper	IF	Citations
24	Molecular insights into geometric and electrophoretic effects on DNA translocation speed through graphene nanoslit sensor. *Carbon*, **2022**, 191, 415-423	10.4	0
23	Strain adjustment Pt-doped Ti2CO2 as an efficient bifunctional catalyst for oxygen reduction reactions and oxygen evolution reactions by first-principles calculations. *Applied Surface Science*, **2022**, 590, 153149	6.7	1
22	M-Site Vacancy-Mediated Adsorption and Diffusion of Sodium on Ti2CO2 MXene. *Journal of Physical Chemistry C*, **2021**, 125, 82-90	3.8	2
21	Polarized nucleation and efficient decomposition of Li2O2 for Ti2C MXene cathode catalyst under a mixed surface condition in lithium-oxygen batteries. *Energy Storage Materials*, **2021**, 35, 669-678	19.4	31
20	Confining Aqueous Zn-Br Halide Redox Chemistry by TiCT MXene. *ACS Nano*, **2021**, 15, 1718-1726	16.7	28
19	Simultaneous Sensing of Force and Current Signals to Recognize Proteinogenic Amino Acids at a Single-Molecule Level. *Journal of Physical Chemistry Letters*, **2021**, 12, 793-799	6.4	3
18	Computational insights into modulating the performance of MXene based electrode materials for rechargeable batteries. *Nanotechnology*, **2021**,	3.4	8
17	Theoretical investigation of the intercalation mechanism of VS2/MXene heterostructures as anode materials for metal-ion batteries. *Applied Surface Science*, **2021**, 543, 148772	6.7	13
16	Enhanced Redox Kinetics and Duration of Aqueous I /I Conversion Chemistry by MXene Confinement. *Advanced Materials*, **2021**, 33, e2006897	24	39
15	Prediction of chemically ordered dual transition metal carbides (MXenes) as high-capacity anode materials for Na-ion batteries. *Nanoscale*, **2021**, 13, 7234-7243	7.7	5
14	Electrochemical Nitrate Production Nitrogen Oxidation with Atomically Dispersed Fe on N-Doped Carbon Nanosheets.. *ACS Nano*, **2021**,	16.7	3
13	Theoretical Investigation of the Structure–Property Correlation of MXenes as Anode Materials for Alkali Metal Ion Batteries. *Journal of Physical Chemistry C*, **2020**, 124, 14978-14986	3.8	9
12	Hydrogen-Free and Dendrite-Free All-Solid-State Zn-Ion Batteries. *Advanced Materials*, **2020**, 32, e1908121	24	186
11	Strain-tunable electronic properties and lithium storage of 2D transition metal carbide (MXene) Ti2CO2 as a flexible electrode. *Journal of Materials Chemistry A*, **2020**, 8, 760-769	13	15
10	Scalable synthesis of 2D hydrogen-substituted graphdiyne on Zn substrate for high-yield N2 fixation. *Nano Energy*, **2020**, 78, 105283	17.1	21
9	Membrane Perturbation and Lipid Flip-Flop Mediated by Graphene Nanosheet. *Journal of Physical Chemistry B*, **2020**, 124, 10632-10640	3.4	2
8	Lattice constant-dependent anchoring effect of MXenes for lithium-sulfur (Li-S) batteries: a DFT study. *Nanoscale*, **2019**, 11, 8485-8493	7.7	52

List of Publications

7	Super-Stretchable Zinc–Air Batteries Based on an Alkaline-Tolerant Dual-Network Hydrogel Electrolyte. *Advanced Energy Materials*, **2019**, 9, 1803046	21.8	185
6	Achieving Both High Voltage and High Capacity in Aqueous Zinc-Ion Battery for Record High Energy Density. *Advanced Functional Materials*, **2019**, 29, 1906142	15.6	184
5	First principles studies on the selectivity of dimethoxymethane and methyl formate in methanol oxidation over VO/TiO-based catalysts. *Physical Chemistry Chemical Physics*, **2017**, 19, 19393-19406	3.6	8
4	Recent Progress on Flexible and Wearable Supercapacitors. *Small*, **2017**, 13, 1701827	11	260
3	Highly Efficient and Stable Vanadia–Titania–Sulfate Catalysts for Methanol Oxidation to Methyl Formate: Synthesis and Mechanistic Study. *Journal of Physical Chemistry C*, **2016**, 120, 6591-6600	3.8	20
2	Catalytic Mechanisms of Methanol Oxidation to Methyl Formate on Vanadia–Titania and Vanadia–Titania–Sulfate Catalysts. *Journal of Physical Chemistry C*, **2016**, 120, 29290-29301	3.8	14
1	Strain engineering in the oxygen reduction reaction and oxygen evolution reaction catalyzed by Pt-doped Ti2CF2. *Journal of Materials Chemistry A*,	13	6