

Applications of 2D MXenes in energy conversion and storage

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Superfast high-energy storage hybrid device composed of MXene and Chevrel-phase electrodes operated in saturated LiCl electrolyte solution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19761-19773.	5.2	32
2	Hybrid catalyst with monoclinic MoTe ₂ and platinum for efficient hydrogen evolution. <i>APL Materials</i> , 2019, 7, .	2.2	24
3	Tuning the Photoresponse of Nano-heterojunction: Pressure-induced Inverse Photoconductance in Functionalized WO ₃ Nanocuboids. <i>Advanced Science</i> , 2019, 6, 1901132.	5.6	28
4	Electrochemical Behavior of Ti ₃ C ₂ MXene in Environmentally Friendly Methanesulfonic Acid Electrolyte. <i>ChemSusChem</i> , 2019, 12, 4480-4486.	3.6	19
5	Synthesis and characterisation of [Cu ₄ In(PPH) ₃] ₃ SePh(1/4-SePh) ₃ (1/4-SePh) ₃], ⁷ and its application as a precursor of a sensitizer for a photocatalyst. <i>New Journal of Chemistry</i> , 2019, 43, 14196-14201.	1.4	7
6	Multiple roles of a heterointerface in two-dimensional van der Waals heterostructures: insights into energy-related applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 23577-23603.	5.2	43
7	Recent progress on synthesis, structure and electrocatalytic applications of MXenes. <i>FlatChem</i> , 2019, 17, 100129.	2.8	33
8	2D Stacks of MXene Ti ₃ C ₂ and 1T-Phase WS ₂ with Enhanced Capacitive Behavior. <i>ChemElectroChem</i> , 2019, 6, 3982-3986.	1.7	39
9	Tin Oxide Based Nanomaterials and Their Application as Anodes in Lithium-ion Batteries and Beyond. <i>ChemSusChem</i> , 2019, 12, 4140-4159.	3.6	82
10	Electrocatalytic/photocatalytic properties and aqueous media applications of 2D transition metal carbides (MXenes). <i>Current Opinion in Solid State and Materials Science</i> , 2019, 23, 100760.	5.6	47
11	Template-free synthesized 3D macroporous MXene with superior performance for supercapacitors. <i>Applied Materials Today</i> , 2019, 16, 315-321.	2.3	65
12	MnSe ₂ /Se Composite Nanobelts as an Improved Performance Anode for Lithium Storage. <i>International Journal of Electrochemical Science</i> , 2019, , 6000-6008.	0.5	14
13	Ti ₃ C ₂ nanosheets modified Zr-MOFs with Schottky junction for boosting photocatalytic HER performance. <i>Solar Energy</i> , 2019, 188, 750-759.	2.9	39
14	Atomic-scale dynamic observation reveals temperature-dependent multistep nucleation pathways in crystallization. <i>Nanoscale Horizons</i> , 2019, 4, 1302-1309.	4.1	17
15	Effect of Cationic Exchange on the Hydration and Swelling Behavior of Ti ₃ C ₂ MXenes. <i>Journal of Physical Chemistry C</i> , 2019, 123, 20044-20050.	1.5	45
16	Synthesis of Iron-Nickel Sulfide Porous Nanosheets via a Chemical Etching/Anion Exchange Method for Efficient Oxygen Evolution Reaction in Alkaline Media. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900788.	1.9	27
17	Conductive MXene Nanocomposite Organohydrogel for Flexible, Healable, Low-Temperature Tolerant Strain Sensors. <i>Advanced Functional Materials</i> , 2019, 29, 1904507.	7.8	560
18	Zinc Ferrite Nanorod-Assembled Mesoporous Microspheres as Advanced Anode Materials for Sodium-ion Batteries. <i>Energy Technology</i> , 2019, 7, 1900479.	1.8	9

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20	Study on synthesis and application of tetrabasic lead sulfate as the positive active material additive for lead-acid batteries. <i>Royal Society Open Science</i> , 2019, 6, 190882.	1.1	8
21	Ni ₂ P ₂ O ₇ micro-sheets supported ultra-thin MnO ₂ nanoflakes: A promising positive electrode for stable solid-state hybrid supercapacitor. <i>Electrochimica Acta</i> , 2019, 319, 435-443.	2.6	31
22	Biological reduction of nitroimidazole-functionalized gold nanorods for photoacoustic imaging of tumor hypoxia. <i>RSC Advances</i> , 2019, 9, 16863-16868.	1.7	11
23	Environmental stability of bismuthene: oxidation mechanism and structural stability of 2D pnictogens. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9195-9202.	2.7	40
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28	study of the effective Coulomb interactions and Stoner ferromagnetism in $M_{2}C$ and $M_{2}C$ <i>Physical Review B</i> , 2019, 100.	1.1	22
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