

Mian Li

List of Publications by Year in descending order

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papers

3,959
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279798

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37
times ranked

2829
citing authors

#	ARTICLE	IF	CITATIONS
1	Lattice Matching and Halogen Regulation for Synergistically Induced Uniform Zinc Electrodeposition by Halogenated Ti ₃ C ₂ MXenes. ACS Nano, 2022, 16, 813-822.	14.6	90
2	Activating the I ⁰ /I ⁺ redox couple in an aqueous I ₂ –Zn battery to achieve a high voltage plateau. Energy and Environmental Science, 2021, 14, 407-413.	30.8	129
3	Confining Aqueous Zn–Br Halide Redox Chemistry by Ti ₃ C ₂ T _X MXene. ACS Nano, 2021, 15, 1718-1726.	14.6	78
4	Molten Salt Synthesis of Nanolaminated Sc ₂ SnC MAX Phase. Wujì Cailiao Xuebao/Journal of Inorganic Materials, 2021, 36, 773.	1.3	15
5	Halogenated Ti ₃ C ₂ MXenes with Electrochemically Active Terminals for High-Performance Zinc Ion Batteries. ACS Nano, 2021, 15, 1077-1085.	14.6	183
6	V ₂ CT _X and Ti ₃ C ₂ T _X MXenes Nanosheets for Gas Sensing. ACS Applied Nano Materials, 2021, 4, 6257-6268.	5.0	52
7	Electrochemical Lithium Storage Performance of Molten Salt Derived V ₂ SnC MAX Phase. Nano-Micro Letters, 2021, 13, 158.	27.0	23
8	In-situ growth of MAX phase coatings on carbonised wood and their terahertz shielding properties. Journal of Advanced Ceramics, 2021, 10, 1291-1298.	17.4	15
9	Near-room temperature ferromagnetic behavior of single-atom-thick 2D iron in nanolaminated ternary MAX phases. Applied Physics Reviews, 2021, 8, .	11.3	14
10	Toward a Practical Zn Powder Anode: Ti ₃ C ₂ T _X MXene as a Lattice-Match Electrons/Ions Redistributor. ACS Nano, 2021, 15, 14631-14642.	14.6	137
11	Enhanced Redox Kinetics and Duration of Aqueous I ₂ /I ⁺ Conversion Chemistry by MXene Confinement. Advanced Materials, 2021, 33, e2006897.	21.0	121
12	Intrinsic voltage plateau of a Nb ₂ CT _X MXene cathode in an aqueous electrolyte induced by high-voltage scanning. Joule, 2021, 5, 2993-3005.	24.0	74
13	Phase Transition Induced Unusual Electrochemical Performance of V ₂ CT _X MXene for Aqueous Zinc Hybrid-Ion Battery. ACS Nano, 2020, 14, 541-551.	14.6	179
14	Multielemental single-atom-thick A layers in nanolaminated V ₂ (Sn, A) C ₂ T _X MXene. ACS Nano, 2020, 14, 820-825.	7.1	84
15	In Situ Electrochemical Synthesis of MXenes without Acid/Alkali Usage in/for an Aqueous Zinc Ion Battery. Advanced Energy Materials, 2020, 10, 2001791.	19.5	128
16	Vertically Aligned Sn ⁴⁺ Preintercalated Ti ₂ CT _X MXene Sphere with Enhanced Zn Ion Transportation and Superior Cycle Lifespan. Advanced Energy Materials, 2020, 10, 2001394.	19.5	127
17	2D foaming of ultrathin MXene sheets with highly conductive silver nanowires for wearable electromagnetic interference shielding applications owing to multiple reflections within created free space. Nano Futures, 2020, 4, 035002.	2.2	16
18	The role of Hume-Rothery's rules play in the MAX phases formability. Materialia, 2020, 12, 100810.	2.7	22

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19	Thermodynamic description of the Dy-Si-C system in silicon carbide ceramics. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2020, 68, 101738.	1.6	9
20	A general Lewis acidic etching route for preparing MXenes with enhanced electrochemical performance in non-aqueous electrolyte. <i>Nature Materials</i> , 2020, 19, 894-899.	27.5	870
21	Single-Atom-Thick Active Layers Realized in Nanolaminated $Ti_3C_2(Ax)Cu_1$ and Its Artificial Enzyme Behavior. <i>ACS Nano</i> , 2019, 13, 9198-9205.	14.6	59
22	Seamless joining of silicon carbide ceramics through an sacrificial interlayer of $Dy_3Si_2C_2$. <i>Journal of the European Ceramic Society</i> , 2019, 39, 5457-5462.	5.7	17
23	Synthesis of MAX phases Nb_2CuC and $Ti_2(Al_{0.1}Cu_{0.9})N$ by A-site replacement reaction in molten salts. <i>Materials Research Letters</i> , 2019, 7, 510-516.	8.7	58
24	Irradiation behavior of Cf/SiC composite with titanium carbide (TiC)-based interphase. <i>Journal of Nuclear Materials</i> , 2019, 523, 10-15.	2.7	3
25	Element Replacement Approach by Reaction with Lewis Acidic Molten Salts to Synthesize Nanolaminated MAX Phases and MXenes. <i>Journal of the American Chemical Society</i> , 2019, 141, 4730-4737.	13.7	811
26	Interface modification of carbon fibers with TiC/Ti ₂ AlC coating and its effect on the tensile strength. <i>Ceramics International</i> , 2019, 45, 4661-4666.	4.8	13
27	Synthesis and properties of conductive B_4C ceramic composites with TiB_2 grain network. <i>Journal of the American Ceramic Society</i> , 2018, 101, 3780-3786.	3.8	38
28	Novel Scale-Like Structures of Graphite/TiC/Ti ₃ C ₂ Hybrids for Electromagnetic Absorption. <i>Advanced Electronic Materials</i> , 2018, 4, 1700617.	5.1	86
29	Copper-SiC whiskers composites with interface optimized by Ti_3SiC_2 . <i>Journal of Materials Science</i> , 2018, 53, 9806-9815.	3.7	14
30	The critical issues of SiC materials for future nuclear systems. <i>Scripta Materialia</i> , 2018, 143, 149-153.	5.2	127
31	In situ formation of $NaTi_2(PO_4)_3$ cubes on Ti_3C_2 MXene for dual-mode sodium storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18525-18532.	10.3	60
32	Preparation of TiC/Ti ₂ AlC coating on carbon fiber and investigation of the oxidation resistance properties. <i>Journal of the American Ceramic Society</i> , 2018, 101, 5269-5280.	3.8	23
33	Fabrication and characterization of SPS sintered SiC-based ceramic from $Y_3Si_2C_2$ -coated SiC powders. <i>Journal of the European Ceramic Society</i> , 2018, 38, 4833-4841.	5.7	25
34	Facile preparation of in situ coated $Ti_3C_2Tx/Ni_{0.5}Zn_{0.5}Fe_2O_4$ composites and their electromagnetic performance. <i>RSC Advances</i> , 2017, 7, 24698-24708.	5.7	25
35	Densification and mechanical properties of pulsed electric current sintered B_4C with in situ synthesized Al_3BC obtained by the molten-salt method. <i>Journal of the European Ceramic Society</i> , 2017, 37, 4524-4531.	5.7	25