

Libo Wang

List of Publications by Year in descending order

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64
papers

4,995
citations

136885

32
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110317

64
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68
all docs

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docs citations

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times ranked

4659
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Reversible Capacity and Cyclic Performance of Lithium-ion Batteries Using SnO ₂ /Interpenetrated MXene V ₂ C Architecture as Anode Materials. Energy Technology, 2021, 9, 2000753.	1.8	20
2	High-Performance Wearable Strain Sensor Based on MXene@Cotton Fabric with Network Structure. Nanomaterials, 2021, 11, 889.	1.9	31
3	Effect of electrolyte on supercapacitor performance of two-dimensional molybdenum carbide (Mo ₂ CTx) MXene prepared by hydrothermal etching. Applied Surface Science, 2021, 568, 150971.	3.1	34
4	Mo ₂ C-MXene/CdS Heterostructures as Visible-Light Photocatalysts with an Ultrahigh Hydrogen Production Rate. ACS Applied Energy Materials, 2021, 4, 12754-12766.	2.5	42
5	Facile Preparation of MXene/Poly(vinyl alcohol)/N-(2-Hydroxyethyl Acrylamide) Hydrogels with High Tensile Strength for Strain Sensors. Journal of Nanoelectronics and Optoelectronics, 2021, 16, 1834-1843.	0.1	3
6	Two-dimensional vanadium carbide (V ₂ CT) MXene as supercapacitor electrode in seawater electrolyte. Chinese Chemical Letters, 2020, 31, 984-987.	4.8	74
7	The effect of two-dimensional Ti ₃ C ₂ on the mechanical and thermal conductivity properties of thermoplastic polyurethane composites. Polymer Composites, 2020, 41, 350-359.	2.3	35
8	The preparation of V ₂ CTx by facile hydrothermal-assisted etching processing and its performance in lithium-ion battery. Journal of Materials Research and Technology, 2020, 9, 984-993.	2.6	58
9	Preparation, mechanical and thermal characteristics of d-Ti ₃ C ₂ /PVA film. Materials Today Communications, 2020, 22, 100799.	0.9	16
10	Synthesis and electrochemical properties of V ₂ C MXene by etching in opened/closed environments. Journal of Advanced Ceramics, 2020, 9, 749-758.	8.9	81
11	Synthesis of two-dimensional carbide Mo ₂ CTx MXene by hydrothermal etching with fluorides and its thermal stability. Ceramics International, 2020, 46, 19550-19556.	2.3	97
12	Surface reformation of 2D MXene by in situ LaF ₃ -decorated and enhancement of energy storage in lithium-ion batteries. Journal of Materials Science: Materials in Electronics, 2020, 31, 6735-6743.	1.1	12
13	Comment on "MoS ₂ /Ti ₃ C ₂ heterostructure for efficient visible-light photocatalytic hydrogen generation". International Journal of Hydrogen Energy, 2020, 45, 13559-13562.	3.8	3
14	SnO ₂ Quantum Dots Interspersed d-Ti ₃ C ₂ Tx MXene Heterostructure with Enhanced Performance for Lithium Ion Battery. Journal of the Electrochemical Society, 2020, 167, 116522.	1.3	7
15	Facile preparation of BiOCl/Ti ₃ C ₂ hybrid photocatalyst with enhanced visible-light photocatalytic activity. Functional Materials Letters, 2019, 12, 1850100.	0.7	21
16	An efficient method to generate random distribution of fibers in continuous fiber reinforced composites. Polymer Composites, 2019, 40, 4763-4770.	2.3	14
17	Research on Erosion-Corrosion Rate of 304 Stainless Steel in Acidic Slurry via Experimental Design Method. Materials, 2019, 12, 2330.	1.3	9
18	Fibres: Polymer Brushes Tethered ZnO Crystal on Cotton Fiber and the Application on Durable and Washable UV Protective Clothing (Adv. Mater. Interfaces 14/2019). Advanced Materials Interfaces, 2019, 6, 1970092.	1.9	3

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19	Self-Assemble and In-situ Formation of Laponite RDS-Decorated Ti ₃ C ₂ T _x Hybrids for Application in Lithium-Ion Battery. ChemistrySelect, 2019, 4, 10694-10700.	0.7	5
20	Effect of Delaminated MXene (Ti ₃ C ₂) on the Performance of Cement Paste. Journal of Nanomaterials, 2019, 2019, 1-8.	1.5	6
21	Polymer Brushes Tethered ZnO Crystal on Cotton Fiber and the Application on Durable and Washable UV Protective Clothing. Advanced Materials Interfaces, 2019, 6, 1900564.	1.9	18
22	Novel Li ₄ Ti ₅ O ₁₂ /Ti ₃ C ₂ T _x nanocomposite as a high rate anode material for lithium ion batteries. Journal of Alloys and Compounds, 2018, 735, 530-535.	2.8	24
23	Carbon dioxide adsorption of two-dimensional carbide MXenes. Journal of Advanced Ceramics, 2018, 7, 237-245.	8.9	119
24	The Synthesis Process and Thermal Stability of V ₂ C MXene. Materials, 2018, 11, 2112.	1.3	152
25	The influence of carbon spheres on thermal and mechanical properties of epoxy composites. Journal of Polymer Research, 2018, 25, 1.	1.2	9
26	Synthesis mechanisms and thermal stability of ternary carbide Mo ₂ Ga ₂ C. Ceramics International, 2018, 44, 22289-22296.	2.3	34
27	Synthesis and Electrochemical Properties of Two-Dimensional RGO/Ti ₃ C ₂ T _x Nanocomposites. Nanomaterials, 2018, 8, 80.	1.9	109
28	Preparation of High-Purity V ₂ C MXene and Electrochemical Properties as Li-Ion Batteries. Journal of the Electrochemical Society, 2017, 164, A709-A713.	1.3	282
29	Non-isothermal crystallization and thermal degradation kinetics of MXene/linear low-density polyethylene nanocomposites. E-Polymers, 2017, 17, 373-381.	1.3	36
30	Preparation of Ti ₃ C ₂ and Ti ₂ C MXenes by fluoride salts etching and methane adsorptive properties. Applied Surface Science, 2017, 416, 781-789.	3.1	407
31	Synthesis and oxidation resistance of V ₂ AlC powders by molten salt method. International Journal of Applied Ceramic Technology, 2017, 14, 873-879.	1.1	56
32	MoS ₂ -Decorated Ti ₃ C ₂ MXene Nanosheet as Anode Material in Lithium-Ion Batteries. Journal of the Electrochemical Society, 2017, 164, A2654-A2659.	1.3	75
33	Synthesis of NaV ₆ O ₁₅ nanorods via thermal oxidation of sodium-intercalated 2D V ₂ CT _x and their electrochemical properties as anode for lithium-ion batteries. Electrochimica Acta, 2017, 248, 178-187.	2.6	36
34	Preparation and Photocatalytic Performance of Ti ₃ C ₂ /TiO ₂ /CuO Ternary Nanocomposites. Journal of Nanomaterials, 2017, 2017, 1-5.	1.5	19
35	Synthesis and electrochemical performance of Ti ₃ C ₂ T _x with hydrothermal process. Electronic Materials Letters, 2016, 12, 702-710.	1.0	270
36	Effects of 2-D transition metal carbide Ti ₂ CT _x on properties of epoxy composites. RSC Advances, 2016, 6, 87341-87352.	1.7	82

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37	Preparation and methane adsorption of two-dimensional carbide Ti ₂ C. <i>Adsorption</i> , 2016, 22, 915-922.	1.4	85
38	Structural Transformation of MXene (V ₂ C, Cr ₂ C, and Ta ₂ C) with O Groups during Lithiation: A First-Principles Investigation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 74-81.	4.0	159
39	Preparation, mechanical and anti-friction performance of MXene/polymer composites. <i>Materials and Design</i> , 2016, 92, 682-689.	3.3	286
40	Preparation and tribological properties of surface- ϵ -modified ZnS nanoparticles. <i>Lubrication Science</i> , 2015, 27, 241-250.	0.9	15
41	Tribological properties of Ti ₃ SiC ₂ coupled with different counterfaces. <i>Ceramics International</i> , 2015, 41, 6950-6955.	2.3	42
42	Electrochemical performance of Ti ₃ C ₂ supercapacitors in KOH electrolyte. <i>Journal of Advanced Ceramics</i> , 2015, 4, 130-134.	8.9	74
43	Hydrothermal synthesis of TiO ₂ /Ti ₃ C ₂ nanocomposites with enhanced photocatalytic activity. <i>Materials Letters</i> , 2015, 150, 62-64.	1.3	223
44	Novel Hierarchical TiO ₂ /C Nanocomposite with Enhanced Photocatalytic Performance. <i>Nano</i> , 2015, 10, 1550064.	0.5	26
45	Simultaneous Enhancement of Stiffness and Toughness in Hybrid Double-Network Hydrogels via the First, Physically Linked Network. <i>Macromolecules</i> , 2015, 48, 8003-8010.	2.2	116
46	Synthesis and thermal stability of two-dimensional carbide MXene Ti ₃ C ₂ . <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015, 191, 33-40.	1.7	606
47	Synthesis and characterization of novel Ti ₃ SiC ₂ -cBN composites. <i>Diamond and Related Materials</i> , 2014, 43, 29-33.	1.8	17
48	Microwave-assisted synthesis of flower-like Ag-BiOCl nanocomposite with enhanced visible-light photocatalytic activity. <i>Materials Letters</i> , 2014, 136, 295-297.	1.3	27
49	Preparation of MXene-Cu ₂ O nanocomposite and effect on thermal decomposition of ammonium perchlorate. <i>Solid State Sciences</i> , 2014, 35, 62-65.	1.5	92
50	Two-dimensional Sc ₂ C: A reversible and high-capacity hydrogen storage material predicted by first-principles calculations. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 10606-10612.	3.8	163
51	Synthesis of high pure Ti ₃ AlC ₂ and Ti ₂ AlC powders from TiH ₂ powders as Ti source by tube furnace. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013, 28, 882-887.	0.4	41
52	MICROWAVE-ASSISTED SYNTHESIS AND CATALYTIC PERFORMANCE OF HIERARCHICAL Cu ₂ O NANOSTRUCTURES. <i>Nano</i> , 2013, 08, 1350047.	0.5	5
53	MXene: A New Family of Promising Hydrogen Storage Medium. <i>Journal of Physical Chemistry A</i> , 2013, 117, 14253-14260.	1.1	389
54	Corrosion behavior of Ti ₃ AlC ₂ in molten KOH at 700 °C. <i>Journal of Advanced Ceramics</i> , 2013, 2, 313-317.	8.9	14

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55	In situ synthesis of cBN-Ti ₃ AlC ₂ composites by high-pressure and high-temperature technology. <i>Diamond and Related Materials</i> , 2012, 29, 8-12.	1.8	17
56	Microwave-assisted synthesis and photocatalytic performance of Ag-doped hierarchical ZnO architectures. <i>Materials Letters</i> , 2012, 79, 277-280.	1.3	31
57	Controllable synthesis of hierarchical ZnO microstructures via a hydrothermal route. <i>Micro and Nano Letters</i> , 2011, 6, 741.	0.6	17
58	Investigation of polymer gradient function material by conducting atomic force microscope. , 2011, , .		0
59	Characterization of thermal property of Nano-ZnO/PP composite. , 2011, , .		0
60	The Preparation and Tribological Investigation of Ni-P Amorphous Alloy Nanoparticles. <i>Tribology Letters</i> , 2010, 37, 381-387.	1.2	6
61	Effect of La on the crystalline and electrochemical properties of Ti-Zr-Ni melt-spun alloys. <i>Rare Metals</i> , 2009, 28, 333-337.	3.6	1
62	The preparation of CeF ₃ nanocluster capped with oleic acid by extraction method and application to lithium grease. <i>Materials Research Bulletin</i> , 2008, 43, 2220-2227.	2.7	62
63	Tribological investigation of CaF ₂ nanocrystals as grease additives. <i>Tribology International</i> , 2007, 40, 1179-1185.	3.0	104
64	Fabrication of superhydrophobic copper by wet chemical reaction. <i>Thin Solid Films</i> , 2007, 515, 7190-7194.	0.8	73