Aiguo Zhou

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

6,570 80 38 100 h-index g-index citations papers 8,267 6.11 103 5.3 avg, IF L-index ext. citations ext. papers

#	Paper	IF	Citations
100	Density-functional-theory predictions of mechanical behaviour and thermal properties as well as experimental hardness of the Ga-bilayer Mo2Ga2C. <i>Journal of Advanced Ceramics</i> , 2022 , 11, 273-282	10.7	2
99	Responses to comments on the paper two-dimensional Sc2C: A reversible and high capacity hydrogen storage material predicted by first-principles calculations (International Journal of Hydrogen Energy, 2022, 47, 9829-9834)	6.7	
98	Simple Method to Construct a Directional Strain Sensor Based on d-Mo2CTX@Orthotropic Textile Network Structure. <i>Materials Letters</i> , 2022 , 132559	3.3	O
97	From structural ceramics to 2D materials with multi-applications: A review on the development from MAX phases to MXenes. <i>Journal of Advanced Ceramics</i> , 2021 , 10, 1194-1242	10.7	8
96	V2CTx and Ti3C2Tx MXenes Nanosheets for Gas Sensing. ACS Applied Nano Materials, 2021, 4, 6257-626	8 5 .6	9
95	Enhanced Reversible Capacity and Cyclic Performance of Lithium-Ion Batteries Using SnO2 Interpenetrated MXene V2C Architecture as Anode Materials. <i>Energy Technology</i> , 2021 , 9, 2000753	3.5	8
94	High-Performance Wearable Strain Sensor Based on MXene@Cotton Fabric with Network Structure. <i>Nanomaterials</i> , 2021 , 11,	5.4	8
93	Effects of water purifying material waste and red mud on performance of magnesium phosphate cement. <i>Construction and Building Materials</i> , 2021 , 303, 124563	6.7	1
92	Research progress on construction and energy storage performance of MXene heterostructures. Journal of Energy Chemistry, 2021 , 62, 220-242	12	10
91	Effect of electrolyte on supercapacitor performance of two-dimensional molybdenum carbide (Mo2CTx) MXene prepared by hydrothermal etching. <i>Applied Surface Science</i> , 2021 , 568, 150971	6.7	5
90	Facile Preparation of MXene/Poly(vinyl alcohol)/N-(2-Hydroxyethyl Acrylamide) Hydrogels with High Tensile Strength for Strain Sensors. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2021 , 16, 1834-	-1843	O
89	Synthesis of two-dimensional carbide Mo2CTx MXene by hydrothermal etching with fluorides and its thermal stability. <i>Ceramics International</i> , 2020 , 46, 19550-19556	5.1	30
88	MXenes for K-Ion Batteries 2020 , 293-312		
87	Responses to comments on the paper IIwo-dimensional Sc2C: A reversible and high capacity hydrogen storage material predicted by first-principles calculations IInternational Journal of Hydrogen Energy, 2020 , 45, 7257-7262	6.7	2
86	Thermal conductivity and electrical transport properties of double-A-layer MAX phase Mo2Ga2C. <i>Materials Research Letters</i> , 2020 , 8, 158-164	7.4	14
85	Surface reformation of 2D MXene by in situ LaF3-decorated and enhancement of energy storage in lithium-ion batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 6735-6743	2.1	6
84	Comment on MoS2/Ti3C2 heterostructure for efficient visible-light photocatalytic hydrogen generation[] <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 13559-13562	6.7	1

(2018-2020)

SnO2 Quantum Dots Interspersed d-Ti3C2Tx MXene Heterostructure with Enhanced Performance for Lithium Ion Battery. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 116522	3.9	5
First-principles calculations of stabilities and physical properties of ternary niobium borocarbides and tantalum borocarbides. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020 , 69, 116201	0.6	2
Pressure difference-induced synthesis of P-doped carbon nanobowls for high-performance supercapacitors. <i>Chemical Engineering Journal</i> , 2020 , 385, 123858	14.7	39
The preparation of V2CTx by facile hydrothermal-assisted etching processing and its performance in lithium-ion battery. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 984-993	5.5	27
Preparation, mechanical and thermal characteristics of d-Ti3C2/PVA film. <i>Materials Today Communications</i> , 2020 , 22, 100799	2.5	10
Polyaniline-Decorated Supramolecular Hydrogel with Tough, Fatigue-Resistant, and Self-Healable Performances for All-In-One Flexible Supercapacitors. <i>ACS Applied Materials & amp; Interfaces</i> , 2020 , 12, 9736-9745	9.5	52
Synthesis and electrochemical properties of V2C MXene by etching in opened/closed environments. <i>Journal of Advanced Ceramics</i> , 2020 , 9, 749-758	10.7	30
Two-dimensional vanadium carbide (V2CT) MXene as supercapacitor electrode in seawater electrolyte. <i>Chinese Chemical Letters</i> , 2020 , 31, 984-987	8.1	37
The effect of two-dimensional d-Ti3C2 on the mechanical and thermal conductivity properties of thermoplastic polyurethane composites. <i>Polymer Composites</i> , 2020 , 41, 350-359	3	19
Bioactive tetracalcium phosphate/magnesium phosphate composite bone cement for bone repair. Journal of Biomaterials Applications, 2019, 34, 239-249	2.9	2
Kirigami Patterning of MXene/Bacterial Cellulose Composite Paper for All-Solid-State Stretchable Micro-Supercapacitor Arrays. <i>Advanced Science</i> , 2019 , 6, 1900529	13.6	143
Facile preparation of BiOCl/Ti3C2 hybrid photocatalyst with enhanced visible-light photocatalytic activity. <i>Functional Materials Letters</i> , 2019 , 12, 1850100	1.2	16
Self-Assemble and In-Situ Formation of Laponite RDS-Decorated d-Ti3C2Tx Hybrids for Application in Lithium-ion Battery. <i>ChemistrySelect</i> , 2019 , 4, 10694-10700	1.8	5
TiC MXene-Based Sensors with High Selectivity for NH Detection at Room Temperature. <i>ACS Sensors</i> , 2019 , 4, 2763-2770	9.2	150
Hot-pressing Sintering of Double-A-layer MAX Phase Mo2Ga2C. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2019, 296	1	2
Theoretical calculations of stabilities and properties of transition metal borocarbides TM3B3C and TM4B3C2 compound. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019 , 68, 096201	0.6	
Self-Assembled 3D MnO2 [email[protected]3C2 Aerogel as Sulfur Host for LithiumBulfur Battery Cathodes. <i>ACS Applied Energy Materials</i> , 2019 , 2, 705-714	6.1	44
Affecting mechanism of chitosan on water resistance of magnesium phosphate cement. International Journal of Applied Ceramic Technology, 2018, 15, 514-521	2	9
	First-principles calculations of stabilities and physical properties of ternary niobium borocarbides and tantalum borocarbides. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 116201 Pressure difference-induced synthesis of P-doped carbon nanobowls for high-performance supercapacitors. Chemical Engineering Journal, 2020, 385, 123858 The preparation of V2CTx by facile hydrothermal-assisted etching processing and its performance in lithium-ion battery. Journal of Materials Research and Technology, 2020, 9, 984-993 Preparation, mechanical and thermal characteristics of d-Ti3C2/PVA film. Materials Today Communications, 2020, 22, 100799 Polyaniline-Decorated Supramolecular Hydrogel with Tough, Fatique-Resistant, and Self-Healable Performances for All-in-One Flexible Supercapacitors. ACS Applied Materials & Samp; Interfaces, 2020, 12, 9736-9745 Synthesis and electrochemical properties of V2C MXene by etching in opened/closed environments. Journal of Advanced Ceramics, 2020, 9, 749-758 Two-dimensional vanadium carbide (V2CT) MXene as supercapacitor electrode in seawater electrolyte. Chinese Chemical Letters, 2020, 31, 984-987 The effect of two-dimensional d-Ti3C2 on the mechanical and thermal conductivity properties of thermoplastic polyurethane composites. Polymer Composites, 2020, 41, 350-359 Bioactive tetracalcium phosphate/magnesium phosphate composite bone cement for bone repair. Journal of Biomaterials Applications, 2019, 34, 239-249 Kirigami Patterning of MXene/Bacterial Cellulose Composite Paper for All-Solid-State Stretchable Micro-Supercapacitor Arrays. Advanced Science, 2019, 6, 1900529 Facile preparation of BioCC/Ti3C2 hybrid photocatabyst with enhanced visible-light photocatalytic activity. Functional Materials Letters, 2019, 12, 1850100 Self-Assemble and In-Situ Formation of Laponite RDS-Decorated d-Ti3C2Tx Hybrids for Application in Lithium-ion Battery. Chemistry/Select, 2019, 4, 10694-10700 TIC MXene-Based Sensors with High Selectivity for NH Detection at Room Temperature. ACS Sensors, 2019, 4,	First-principles calculations of stabilities and physical properties of ternary niobium borocarbides and tantalum borocarbides. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 116201 Pressure difference-induced synthesis of P-doped carbon nanobowls for high-performance supercapacitors. Chemical Engineering Journal, 2020, 385, 123858 147 The preparation of V2CTx by facile hydrothermal-assisted etching processing and its performance in Ithium-ion battery. Journal of Materials Research and Technology, 2020, 9, 984-993 Preparation, mechanical and thermal characteristics of d-Ti3C2/PVA film. Materials Today Communications, 2020, 22, 100799 Polyaniline-Decorated Supramolecular Hydrogel with Tough, Fatigue-Resistant, and Self-Healable Performances for All-In-One Flexible Supercapacitors. ACS Applied Materials Ramp; Interfaces, 2020, 29, 749-755 Synthesis and electrochemical properties of V2C MXene by etching in opened/closed environments. Journal of Advanced Ceramics, 2020, 9, 749-758 Two-dimensional vanadium carbide (V2CT) MXene as supercapacitor electrode in seawater electrolyte. Chinese Chemical Letters, 2020, 31, 984-987 The effect of two-dimensional d-Ti3C2 on the mechanical and thermal conductivity properties of thermoplastic polyurethane composites. Polymer Composites, 2020, 41, 350-359 Bioactive tetracalcium phosphate/magnesium phosphate composite bone cement for bone repair. Journal of Biomaterials Applications, 2019, 34, 239-249 Kirigami Patterning of MXene/Bacterial Cellulose Composite Paper for All-Solid-State Stretchable Micro-Supercapacitor Arrays. Advanced Science, 2019, 6, 1900529 Facile preparation of BiOCI/Ti3C2 hybrid photocatalyst with enhanced visible-light photocatalytic activity. Functional Materials Letters, 2019, 12, 1850100 2.8 Self-Assemble and In-Situ Formation of Laponite RDS-Decorated d-Ti3C2Tx Hybrids for Application in Lithium-ion Battery. ChemistrySelect, 2019, 4, 10694-10700 Tic Mxene-Based Sensors with High Selectivity for NH Detection at Room Temperature. ACS Sensors, 2019,

65	Synthesis and Electrochemical Properties of Two-Dimensional RGO/Till Nanocomposites. <i>Nanomaterials</i> , 2018 , 8,	5.4	58
64	Electrochemical impedance spectroscopy (EIS) used to evaluate influence of different external pressures, curing ages and self-healing environments on the self-healing behavior of engineered cementitious composites (ECC). Construction and Building Materials, 2018, 188, 153-160	6.7	9
63	Ground-state structures, physical properties and phase diagram of carbon-rich nitride CN. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 385402	1.8	7
62	Seawater electrolyte-mediated high volumetric MXene-based electrochemical symmetric supercapacitors. <i>Dalton Transactions</i> , 2018 , 47, 8676-8682	4.3	27
61	Unexpected ground-state structures and properties of carbon nitride C3N at ambient and high pressures. <i>Materials and Design</i> , 2018 , 140, 45-53	8.1	2
60	Novel Li4Ti5O12/Ti3C2Tx nanocomposite as a high rate anode material for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2018 , 735, 530-535	5.7	16
59	Carbon dioxide adsorption of two-dimensional carbide MXenes. <i>Journal of Advanced Ceramics</i> , 2018 , 7, 237-245	10.7	58
58	The Synthesis Process and Thermal Stability of Va MXene. <i>Materials</i> , 2018 , 11,	3.5	80
57	The influence of carbon spheres on thermal and mechanical properties of epoxy composites. Journal of Polymer Research, 2018 , 25, 1	2.7	7
56	Synthesis mechanisms and thermal stability of ternary carbide Mo2Ga2C. <i>Ceramics International</i> , 2018 , 44, 22289-22296	5.1	13
55	High photoluminescence quantum yield of 18.7% by using nitrogen-doped Ti3C2 MXene quantum dots. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 6360-6369	7.1	104
54	Preparation of High-Purity V2C MXene and Electrochemical Properties as Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A709-A713	3.9	169
53	Non-isothermal crystallization and thermal degradation kinetics of MXene/linear low-density polyethylene nanocomposites. <i>E-Polymers</i> , 2017 , 17, 373-381	2.7	20
52	Preparation of Ti 3 C 2 and Ti 2 C MXenes by fluoride salts etching and methane adsorptive properties. <i>Applied Surface Science</i> , 2017 , 416, 781-789	6.7	213
51	Synthesis and oxidation resistance of V2AlC powders by molten salt method. <i>International Journal of Applied Ceramic Technology</i> , 2017 , 14, 873-879	2	36
50	MoS2-Decorated Ti3C2MXene Nanosheet as Anode Material in Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A2654-A2659	3.9	52
49	Synthesis of NaV6O15 nanorods via thermal oxidation of sodium-intercalated 2D V2CTx and their electrochemical properties as anode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2017 , 248, 178-187	6.7	28
48	Hydrophobic, Flexible, and Lightweight MXene Foams for High-Performance Electromagnetic-Interference Shielding. <i>Advanced Materials</i> , 2017 , 29, 1702367	24	903

(2015-2017)

47	High temperature oxidation resistance of Ti3SiC2 in air and low oxygen atmosphere. <i>International Journal of Applied Ceramic Technology</i> , 2017 , 14, 851-859	2	4
46	Preparation and Photocatalytic Performance of Ti3C2/TiO2/CuO Ternary Nanocomposites. <i>Journal of Nanomaterials</i> , 2017 , 2017, 1-5	3.2	7
45	Synthesis and electrochemical performance of Ti3C2Tx with hydrothermal process. <i>Electronic Materials Letters</i> , 2016 , 12, 702-710	2.9	157
44	Effects of 2-D transition metal carbide Ti2CTx on properties of epoxy composites. <i>RSC Advances</i> , 2016 , 6, 87341-87352	3.7	57
43	Structural Characterization of Microwave-Assisted Solution-Synthesized Strontium-Substituted Hydroxyapatite. <i>Nano</i> , 2016 , 11, 1650115	1.1	1
42	Preparation and methane adsorption of two-dimensional carbide Ti2C. <i>Adsorption</i> , 2016 , 22, 915-922	2.6	57
41	Synthesis of urchin-like rutile titania carbon nanocomposites by iron-facilitated phase transformation of MXene for environmental remediation. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 489	-439	123
40	Structural Transformation of MXene (V2C, Cr2C, and Ta2C) with O Groups during Lithiation: A First-Principles Investigation. <i>ACS Applied Materials & Description of MXene (V2C, Cr2C, and Ta2C) with O Groups during Lithiation: A Principles Investigation of MXene (V2C, Cr2C, and Ta2C) with O Groups during Lithiation: A Principles Investigation of MXene (V2C, Cr2C, and Ta2C) with O Groups during Lithiation: A Principles Investigation of MXene (V2C, Cr2C, and Ta2C) with O Groups during Lithiation: A Principles Investigation of MXene (V2C, Cr2C, and Ta2C) with O Groups during Lithiation: A Principles Investigation of MXene (V2C, Cr2C, and Ta2C) with O Groups during Lithiation: A Principles Investigation of MXene (V2C, Cr2C, and Ta2C) with O Groups during Lithiation: A Principles Investigation of MXene (V2C, Cr2C, and Ta2C) with O Groups during Lithiation of MXene (V2C, Cr2C, and Ta2C) with O Groups during Lithiation of MXene (V2C, Cr2C, and Ta2C) with O Groups during Lithiation of MXene (V2C, Cr2C, and Ta2C) with O Groups during Lithiation of MXene (V2C, Cr2C, and Ta2C) with O Groups during Lithiation of MXene (V2C, Cr2C, and Ta2C) with O Groups during Lithiation of MXene (V2C, Cr2C, and Ta2C) with O Groups during Lithiation of MXene (V2C, Cr2C, and Ta2C) with O Groups during Lithiation of MXene (V2C, Cr2C, and Ta2C) with O Groups during Lithiation of MXene (V2C, Cr2C, and Ta2C) with O Groups during Lithiation of MXene (V2C, Cr2C, and Ta2C) with O Groups during Lithiation of MXene (V2C, Cr2C, and Ta2C) with O Groups during Lithiation of MXene (V2C, Cr2C, and Ta2C) with O Groups during Lithiation of MXene (V2C, Cr2C, and Ta2C) with O Groups during Lithiation of MXene (V2C, Cr2C, and Cr2C) with O Groups during Lithiation of MXene (V2C, Cr2C, and Cr2C) with O Groups during Lithiation of MXene (V2C, Cr2C, and Cr2C) with O Groups during Lithiation of MXene (V2C, Cr2C, and Cr2C) with O Groups during Lithiation of MXe</i>	9.5	120
39	Preparation, mechanical and anti-friction performance of MXene/polymer composites. <i>Materials and Design</i> , 2016 , 92, 682-689	8.1	183
38	Synthesis and Gas Adsorption Properties of Carbide-Derived Carbons from Titanium Tin Carbide. <i>Nano</i> , 2016 , 11, 1650040	1.1	2
37	Tribological properties of Ti3SiC2 coupled with different counterfaces. <i>Ceramics International</i> , 2015 , 41, 6950-6955	5.1	35
36	Electrochemical performance of Ti3C2 supercapacitors in KOH electrolyte. <i>Journal of Advanced Ceramics</i> , 2015 , 4, 130-134	10.7	57
35	Effects of FeNi-phosphorus-carbon system on crystal growth of diamond under high pressure and high temperature conditions. <i>Chinese Physics B</i> , 2015 , 24, 038101	1.2	11
34	Enhanced supercapacitive performance of delaminated two-dimensional titanium carbide/carbon nanotube composites in alkaline electrolyte. <i>Journal of Power Sources</i> , 2015 , 284, 38-43	8.9	154
33	Hydrothermal synthesis of TiO2/Ti3C2 nanocomposites with enhanced photocatalytic activity. <i>Materials Letters</i> , 2015 , 150, 62-64	3.3	157
32	Novel Hierarchical TiO2/C Nanocomposite with Enhanced Photocatalytic Performance. <i>Nano</i> , 2015 , 10, 1550064	1.1	18
31	Synthesis and thermal stability of two-dimensional carbide MXene Ti3C2. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015 , 191, 33-40	3.1	370
30	Preparation and tribological properties of surface-modified ZnS nanoparticles. <i>Lubrication Science</i> , 2015 , 27, 241-250	1.3	11

29	Effect of MXene (Nano-Ti3C2) on Early-Age Hydration of Cement Paste. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-8	3.2	5
28	Preparation and Microstructure Analysis of TiC-Derived Carbons with Hierarchical Pore Structure. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-7	3.2	
27	Synthesis and characterization of novel Ti3SiC2BBN composites. <i>Diamond and Related Materials</i> , 2014 , 43, 29-33	3.5	15
26	Microwave-assisted synthesis of flower-like Ag B iOCl nanocomposite with enhanced visible-light photocatalytic activity. <i>Materials Letters</i> , 2014 , 136, 295-297	3.3	22
25	Preparation of MXene-Cu2O nanocomposite and effect on thermal decomposition of ammonium perchlorate. <i>Solid State Sciences</i> , 2014 , 35, 62-65	3.4	71
24	Two-dimensional Ti3C2 as anode material for Li-ion batteries. <i>Electrochemistry Communications</i> , 2014 , 47, 80-83	5.1	316
23	Unique lead adsorption behavior of activated hydroxyl group in two-dimensional titanium carbide. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4113-6	16.4	813
22	Two-dimensional Sc2C: A reversible and high-capacity hydrogen storage material predicted by first-principles calculations. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 10606-10612	6.7	120
21	Synthesis and Mechanism of Tetracalcium Phosphate from Nanocrystalline Precursor. <i>Journal of Nanomaterials</i> , 2014 , 2014, 1-11	3.2	12
20	Synthesis of high pure Ti3AlC2 and Ti2AlC powders from TiH2 powders as Ti source by tube furnace. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013 , 28, 882-887	1	31
19	MXene: a new family of promising hydrogen storage medium. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 14253-60	2.8	298
18	Corrosion behavior of Ti3AlC2 in molten KOH at 700 LC. Journal of Advanced Ceramics, 2013, 2, 313-317	10.7	11
17	Nonlinear elastic deformation of magnesium and cobalt by Preisach-Mayergoyz model. <i>Transactions of Nonferrous Metals Society of China</i> , 2012 , 22, 2220-2225	3.3	
16	In situ synthesis of cBNIIi3AlC2 composites by high-pressure and high-temperature technology. <i>Diamond and Related Materials</i> , 2012 , 29, 8-12	3.5	14
15	Mechanical hysteresis of hexagonal boron nitride. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2011 , 26, 935-938	1	2
14	Hysteresis in kinking nonlinear elastic solids and the Preisach-Mayergoyz model. <i>Physical Review B</i> , 2010 , 82,	3.3	16
13	Kinking Nonlinear Elasticity and the Deformation of Magnesium. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2009 , 40, 1741-1756	2.3	32
12	Synthesis and elastic and mechanical properties of Cr2GeC. <i>Journal of Materials Research</i> , 2008 , 23, 215	7 <u>2</u> 2 5 165	50

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11	Reversible dislocation motion under contact loading in LiNbO3 single crystal. <i>Journal of Materials Research</i> , 2008 , 23, 1334-1338	2.5	32
10	Kinking nonlinear elasticity, damping and microyielding of hexagonal close-packed metals. <i>Acta Materialia</i> , 2008 , 56, 60-67	8.4	66
9	Incipient and regular kink bands in fully dense and 10vol.% porous Ti2AlC. Acta Materialia, 2006 , 54, 1	63 <i>1</i> 8.463	39 94
8	Mechanical damping in porous Ti3SiC2. Acta Materialia, 2006 , 54, 5261-5270	8.4	58
7	Microscale modeling of kinking nonlinear elastic solids. <i>Physical Review B</i> , 2005 , 71,	3.3	87
6	Microstructure and mechanical properties of porous TiSiC. Acta Materialia, 2005, 53, 4359-4366	8.4	88
5	Quantitative phase analysis in the TiAll ternary system by X-ray diffraction. <i>Powder Diffraction</i> , 2005 , 20, 218-223	1.8	46
4	Synthesis and mechanical properties of Ti3AlC2 by spark plasma sintering. <i>Journal of Materials Science</i> , 2003 , 38, 3111-3115	4.3	75
3	A possible mechanism on synthesis of Ti3AlC2. <i>Materials Science & Diagnostry A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 352, 333-339	5.3	96
2	Preparation of Ti3AlC2 and Ti2AlC by self-propagating high-temperature synthesis. <i>Journal of Materials Science Letters</i> , 2001 , 20, 1971-1973		65
1	Mo2C-MXene/CdS Heterostructures as Visible-Light Photocatalysts with an Ultrahigh Hydrogen Production Rate. <i>ACS Applied Energy Materials</i> ,	6.1	10