

Yiren Wang

List of Publications by Year in descending order

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19
papers

891
citations

840776

11
h-index

839539

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g-index

19
all docs

19
docs citations

19
times ranked

1473
citing authors

#	ARTICLE	IF	CITATIONS
1	Interfacial adsorption mechanism induced by phase boundary toward better aqueous Zn-ion battery. <i>Informa Mater</i> , 2021, 3, 1028-1036.	17.3	194
2	Oxygen Defects in δ -MnO ₂ Enabling High-Performance Rechargeable Aqueous Zinc/Manganese Dioxide Battery. <i>IScience</i> , 2020, 23, 100797.	4.1	184
3	Defects engineering induced room temperature ferromagnetism in transition metal doped MoS ₂ . <i>Materials and Design</i> , 2017, 121, 77-84.	7.0	97
4	Electronic and magnetic properties of Co doped MoS ₂ monolayer. <i>Scientific Reports</i> , 2016, 6, 24153.	3.3	94
5	Inducing High Coercivity in MoS ₂ Nanosheets by Transition Element Doping. <i>Chemistry of Materials</i> , 2017, 29, 9066-9074.	6.7	81
6	Magnetic properties in δ -MnO ₂ doped with alkaline elements. <i>Scientific Reports</i> , 2015, 5, 9094.	3.3	57
7	Zn vacancy induced ferromagnetism in K doped ZnO. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11953-11958.	5.5	43
8	Electronic and Magnetic Properties of Transition-Metal-Doped Monolayer Black Phosphorus by Defect Engineering. <i>Journal of Physical Chemistry C</i> , 2016, 120, 9773-9779.	3.1	43
9	Intrinsic or Interface Clustering-Induced Ferromagnetism in Fe-Doped In ₂ O ₃ -Diluted Magnetic Semiconductors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22372-22380.	8.0	23
10	Effects of rare-earth dopants on the thermally grown Al ₂ O ₃ /Ni(Al) interface: the first-principles prediction. <i>Journal of Materials Science</i> , 2014, 49, 2640-2646.	3.7	17
11	Incoherent tilt grain boundaries stabilized by stacking faults and solute-cluster segregation: a case-study of an Mg-Gd alloy. <i>Materials Research Letters</i> , 2020, 8, 268-274.	8.7	11
12	Solute Segregation to Grain Boundaries in Al: A First-Principles Evaluation. <i>Acta Metallurgica Sinica (English Letters)</i> , 2022, 35, 1572-1582.	2.9	10
13	First-principles study of vacancy defects at interfaces between monolayer MoS ₂ and Au. <i>RSC Advances</i> , 2020, 10, 28725-28730.	3.6	9
14	Observation of yttrium oxide segregation in a ZrO ₂ -SiO ₂ glass-ceramic at nanometer dimensions. <i>Journal of the American Ceramic Society</i> , 2020, 103, 7147-7158.	3.8	9
15	Nucleation of Si-O Nano-clusters in Multi-microalloyed Nano-structured Ferritic Alloys: a First-principles Study. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021, 34, 955-962.	2.9	7
16	Structures and adhesion of hcp thin film coating interfaces on a single-crystal bcc substrate by PVD: Ti/Mo and Zr/Mo. <i>Computational Materials Science</i> , 2020, 174, 109504.	3.0	6
17	Dopants and grain boundary effects in monolayer MoS ₂ : a first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 11937-11943.	2.8	4
18	Prediction on Phase Stabilities of the Zr-H System from the First-Principles. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021, 34, 514-522.	2.9	2

#	ARTICLE	IF	CITATIONS
19	Surface Structures and Their Relative Stabilities of Orthorhombic YAIO ₃ : A First-Principles Study. Acta Metallurgica Sinica (English Letters), 0, , .	2.9	0