

Cheng-duo Wang

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

268
citations

1163117
8
h-index

940533
16
g-index

17
all docs

17
docs citations

17
times ranked

333
citing authors

#	ARTICLE	IF	CITATIONS
1	Strengthening and toughening the FeNiCrMn medium entropy alloy by novel ultrafine precipitate networks. <i>Vacuum</i> , 2021, 184, 109995.	3.5	12
2	Direct Zr-doped TiO ₂ /MoS ₂ Heterojunction Photocatalyst for Photodegradation of Methylene Blue under Simulated Sunlight. <i>ChemistrySelect</i> , 2021, 6, 181-186.	1.5	11
3	Effect of austempering temperature on microstructure of ausferrite in austempered ductile iron. <i>Materials Science and Technology</i> , 2019, 35, 1329-1336.	1.6	6
4	One-pot synthesis of branched CuInSe ₂ nanowires based on solution-liquid-solid method and their implementation in photovoltaic devices. <i>Journal of Crystal Growth</i> , 2019, 523, 125152.	1.5	5
5	CuInTe ₂ Nanocrystals: Shape and Size Control, Formation Mechanism and Application, and Use as Photovoltaics. <i>Nanomaterials</i> , 2019, 9, 409.	4.1	10
6	Cation exchange synthesis of CuIn _x Ga ^{1-x} Se ₂ nanowires and their implementation in photovoltaic devices. <i>RSC Advances</i> , 2019, 9, 35780-35785.	3.6	5
7	Mo and P co-doped Ba ₅ Ta ₄ O ₁₅ for hydrogen evolution under solar light. <i>Physica B: Condensed Matter</i> , 2018, 541, 1-5.	2.7	1
8	Mechanical Stability of Retained Austenite in Multi-Pass Cr-Ni Weld Metal in an Over-Matching Welded Joint. <i>Materials Transactions</i> , 2018, 59, 380-385.	1.2	2
9	Morphology and Crystallography of Ausferrite in Austempered Ductile Iron. <i>Metals</i> , 2017, 7, 238.	2.3	4
10	Morphology, crystallography, and crack paths of tempered lath martensite in a medium-carbon low-alloy steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 669, 48-57.	5.6	47
11	Highly efficient NaTaO ₃ for visible light photocatalysis predicted from first principles. <i>Solar Energy Materials and Solar Cells</i> , 2016, 149, 97-102.	6.2	17
12	Mechanism of crack propagation in 1800 MPa class ultrahigh-strength steel by ultrafine-grained structure (Development of fracture control from microstructure design). <i>Transactions of the JSME (in Japanese)</i> , 2015, 81, 15-00281-15-00281.	0.2	8
13	Band gap engineering of Ba ₅ Nb ₄ O ₁₅ for efficient water splitting under visible light. <i>Journal of Alloys and Compounds</i> , 2015, 644, 757-762.	5.5	11
14	Band gap engineering of SrTiO ₃ for water splitting under visible light irradiation. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 12507-12514.	7.1	79
15	Highly active SrTiO ₃ for visible light photocatalysis: A first-principles prediction. <i>Solid State Communications</i> , 2014, 181, 5-8.	1.9	24
16	Electronic structure calculations of I and Mn doped BiOCl with modified Becke-Johnson potential. <i>Computational Materials Science</i> , 2014, 85, 138-141.	3.0	19
17	Delaminating Crack Paths in Ultrafine, Elongated Ferritic Steel. <i>ISIJ International</i> , 2013, 53, 2272-2274.	1.4	7