

Wen-Yi Huo

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,158
citations

430874

18
h-index

677142

22
g-index

22
all docs

22
docs citations

22
times ranked

705
citing authors

#	ARTICLE	IF	CITATIONS
1	High entropy alloy/C nanoparticles derived from polymetallic MOF as promising electrocatalysts for alkaline oxygen evolution reaction. <i>Chemical Engineering Journal</i> , 2022, 429, 132410.	12.7	84
2	Stacking-Mediated Type-I/Type-II Transition in Two-Dimensional MoTe ₂ /PtS ₂ Heterostructure: A First-Principles Simulation. <i>Crystals</i> , 2022, 12, 425.	2.2	17
3	Phase formation prediction of high-entropy alloys: a deep learning study. <i>Journal of Materials Research and Technology</i> , 2022, 18, 800-809.	5.8	29
4	Efficient FeCoNiCuPd thin-film electrocatalyst for alkaline oxygen and hydrogen evolution reactions. <i>Applied Catalysis B: Environmental</i> , 2022, 313, 121472.	20.2	107
5	A strategy to improve the performance of TiO ₂ nanotube array film photocatalysts by magnetron-sputtered amorphous BiFeO ₃ . <i>Vacuum</i> , 2022, 202, 111135.	3.5	12
6	Tuning electronic, magnetic and catalytic behaviors of biphenylene network by atomic doping. <i>Nanotechnology</i> , 2022, 33, 345701.	2.6	34
7	Prediction of 2D IV-VI semiconductors: auxetic materials with direct bandgap and strong optical absorption. <i>Nanoscale</i> , 2022, 14, 8463-8473.	5.6	21
8	Single-crystal-like black Zr-TiO ₂ nanotube array film: An efficient photocatalyst for fast reduction of Cr(VI). <i>Chemical Engineering Journal</i> , 2021, 403, 126331.	12.7	30
9	Electronic and optical properties of two-dimensional heterostructures based on Janus XSSe (X = Mo, Tj ETQq1 1 0.784314 rgBT /Over	3.6	24
10	Recent progress on high-entropy materials for electrocatalytic water splitting applications. <i>Tungsten</i> , 2021, 3, 161-180.	4.8	60
11	Electronic and Optical Properties of Atomic-Scale Heterostructure Based on MXene and MN (M = Al, Tj ETQq1 1 0.784314 rgBT /Over	4.1	33
12	Mechanical size effect of eutectic high entropy alloy: Effect of lamellar orientation. <i>Journal of Materials Science and Technology</i> , 2021, 82, 10-20.	10.7	8
13	Mechanical, electronic and optical properties of a novel B ₂ P ₆ monolayer: ultrahigh carrier mobility and strong optical absorption. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 24915-24921.	2.8	46
14	Preferentially oriented Ag-TiO ₂ nanotube array film: An efficient visible-light-driven photocatalyst. <i>Journal of Hazardous Materials</i> , 2020, 399, 123016.	12.4	36
15	Remarkable strain-rate sensitivity of nanotwinned CoCrFeNi alloys. <i>Applied Physics Letters</i> , 2019, 114, 101904.	3.3	16
16	Fatigue resistance of nanotwinned high-entropy alloy films. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 739, 26-30.	5.6	32
17	Ultrahigh hardness and high electrical resistivity in nano-twinned, nanocrystalline high-entropy alloy films. <i>Applied Surface Science</i> , 2018, 439, 222-225.	6.1	74
18	Microstructure and properties of novel CoCrFeNiTax eutectic high-entropy alloys. <i>Journal of Alloys and Compounds</i> , 2018, 735, 897-904.	5.5	136

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19	Strain-rate effect upon the tensile behavior of CoCrFeNi high-entropy alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 689, 366-369.	5.6	74
20	Microstructure and mechanical properties of CoCrFeNiZrx eutectic high-entropy alloys. <i>Materials and Design</i> , 2017, 134, 226-233.	7.0	183
21	Remarkable strength of CoCrFeNi high-entropy alloy wires at cryogenic and elevated temperatures. <i>Scripta Materialia</i> , 2017, 141, 125-128.	5.2	74
22	Microstructure and Wear Behavior of CoCrFeMnNbNi High-Entropy Alloy Coating by TIG Cladding. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-5.	1.8	28