

Huibin Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

232
citations

1163117

8
h-index

1058476

14
g-index

19
all docs

19
docs citations

19
times ranked

143
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct separation of arsenic and antimony oxides by high-temperature filtration with porous FeAl intermetallic. <i>Journal of Hazardous Materials</i> , 2017, 338, 364-371.	12.4	48
2	Effective combination of CuFeO ₂ with high temperature resistant Nb-doped TiO ₂ nanotube arrays for CO ₂ photoelectric reduction. <i>Journal of Colloid and Interface Science</i> , 2020, 568, 198-206.	9.4	30
3	Suppression of the SHS reactions during synthesis of porous FeAl intermetallics by introducing silicon. <i>Journal of Alloys and Compounds</i> , 2018, 735, 1435-1438.	5.5	27
4	Reactive synthesis and assessment of porous Fe-20.5Al-18Cr intermetallic material: A comparative study with porous FeCrAl material produced from prealloyed powders. <i>Separation and Purification Technology</i> , 2019, 220, 152-161.	7.9	17
5	The role of Cr in the reactive synthesis of porous FeAlCr intermetallic compounds. <i>Materials Chemistry and Physics</i> , 2020, 249, 123013.	4.0	16
6	Modification of the reactive synthesis of porous FeAl with addition of Si. <i>Materials at High Temperatures</i> , 2019, 36, 1-8.	1.0	15
7	Understanding the enhanced removal of Bi(III) using modified crystalline antimonite acids: creation of a transitional pyrochlore-type structure and the Sb(V)-Bi(III) interaction behaviors. <i>Chemical Engineering Journal</i> , 2019, 360, 313-324.	12.7	10
8	High-efficiency and sustainable photoelectric conversion of CO ₂ to methanol over Cu _x O/TNTs catalyst by pulse potential method. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 447-459.	2.5	9
9	CO ₂ photoelectroreduction with enhanced ethanol selectivity by high valence rhenium-doped copper oxide composite catalysts. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 497-506.	9.4	9
10	Co ₃ O ₄ Nanoparticles Modified TiO ₂ Nanotube Arrays with Improved Photoelectrochemical Performance. <i>Russian Journal of Applied Chemistry</i> , 2019, 92, 64-70.	0.5	7
11	Reactive synthesis of porous FeAlCr intermetallics with enhanced mechanical property and oxidation resistance by introducing yttrium borides. <i>Materials Chemistry and Physics</i> , 2021, 273, 124929.	4.0	7
12	Preparation of a highly active MoS ₂ /TiO ₂ composite for photocatalytic oxidation of nitrite under solar irradiation. <i>New Journal of Chemistry</i> , 2021, 45, 10608-10617.	2.8	6
13	High temperature oxidation resistance of Ti-5553 alloy with electro-deposited SiO ₂ coating. <i>Materials Chemistry and Physics</i> , 2022, 275, 125306.	4.0	6
14	Photoelectrocatalytic Reduction of CO ₂ over CuBi ₂ O ₄ /TiO ₂ -NTs under Simulated Solar Irradiation. <i>ChemistrySelect</i> , 2020, 5, 5137-5145.	1.5	5
15	Selective Recovery of Bismuth in Copper Electrolyte Through Coprecipitation Method and Its Mechanism. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2021, 52, 2551-2562.	2.1	5
16	A Study on the Catalytic Activity and Service Lifetime of RuO ₂ -TiO ₂ Composite Electrode with TNTs as Interlayer. <i>ChemistrySelect</i> , 2019, 4, 10965-10971.	1.5	4
17	Efficient removal of bismuth with supersoluble amorphous antimony acids: An insight into synthesis mechanism and Sb(V)-Bi(III) interaction behaviors. <i>Chemical Engineering Journal</i> , 2021, 420, 127617.	12.7	4
18	Study on Stability of Mechanical Properties for Porous Fe-Cr-Al Alloys after Long-Term Aging. <i>Materials</i> , 2022, 15, 3718.	2.9	4

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19	Speciation characterization of arsenic-bearing phase in arsenic sulfide sludge and the sequential leaching mechanisms. <i>Journal of Hazardous Materials</i> , 2022, 423, 127035.	12.4	3