

Xiao Yang

List of Publications by Year in descending order

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23
papers

1,011
citations

516710

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642732

23
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23
docs citations

23
times ranked

1048
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring magnetic behavior of CoFeMnNiX (X= Al, Cr, Ga, and Sn) high entropy alloys by metal doping. <i>Acta Materialia</i> , 2017, 130, 10-18.	7.9	220
2	Effect of Mo and aging temperature on corrosion behavior of (CoCrFeNi) ₁₀₀ -Mo high-entropy alloys. <i>Journal of Alloys and Compounds</i> , 2020, 812, 152139.	5.5	77
3	Corrosion and Serration Behaviors of TiZr0.5NbCr0.5VxMoy High Entropy Alloys in Aqueous Environments. <i>Metals</i> , 2014, 4, 597-608.	2.3	70
4	Nano-Crystallization of High-Entropy Amorphous NbTiAlSiWxNy Films Prepared by Magnetron Sputtering. <i>Entropy</i> , 2016, 18, 226.	2.2	70
5	Inlay of ultrafine Ru nanoparticles into a self-supported Ni(OH) ₂ nanoarray for hydrogen evolution with low overpotential and enhanced kinetics. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11062-11068.	10.3	70
6	Microstructure and Corrosion Behavior of (CoCrFeNi) ₉₅ Nb ₅ High-Entropy Alloy Coating Fabricated by Plasma Spraying. <i>Materials</i> , 2019, 12, 694.	2.9	69
7	Influence of Bridgman solidification on microstructures and magnetic behaviors of a non-equiatomic FeCoNiAlSi high-entropy alloy. <i>Intermetallics</i> , 2015, 67, 171-176.	3.9	60
8	Free-standing, anti-corrosion, super flexible graphene oxide/silver nanowire thin films for ultra-wideband electromagnetic interference shielding. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1180-1191.	10.3	56
9	Electrocatalytic reforming of waste plastics into high value-added chemicals and hydrogen fuel. <i>Chemical Communications</i> , 2021, 57, 12595-12598.	4.1	52
10	Self-Assembly of Ni-Fe Layered Double Hydroxide on Fe Foam as 3D Integrated Electrocatalysts for Oxygen Evolution: Dependence of the Catalytic Performance on Anions under in Situ Condition. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 2893-2897.	6.7	44
11	A new strategy of tailoring strength and ductility of CoCrFeNi based high-entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 774, 138940.	5.6	44
12	Effect of Zr on phase separation, mechanical and corrosion behavior of heterogeneous CoCrFeNiZr high-entropy alloy. <i>Journal of Materials Science and Technology</i> , 2022, 109, 76-85.	10.7	36
13	Superior corrosion resistance-dependent laser energy density in (CoCrFeNi) ₉₅ Nb ₅ high entropy alloy coating fabricated by laser cladding. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2021, 28, 888-897.	4.9	27
14	One-pot ball-milling preparation of graphene/carbon black aqueous inks for highly conductive and flexible printed electronics. <i>Science China Materials</i> , 2020, 63, 392-402.	6.3	20
15	Electrochemical ammonia synthesis from nitrite assisted by <i>in situ</i> generated hydrogen atoms on a nickel phosphide catalyst. <i>Chemical Communications</i> , 2021, 57, 7176-7179.	4.1	18
16	Effect of Co on phase stability and mechanical behavior of Co _x CrFeNiMnAl _{0.3} high entropy alloys with micro/nano hierarchical structure. <i>Materials and Design</i> , 2022, 215, 110442.	7.0	18
17	The combustion synthesis of highly crystalline boron nitride nanosheets and their application in thermoconductive polymeric composites. <i>CrystEngComm</i> , 2019, 21, 5461-5469.	2.6	15
18	Anti-penetration performance of high entropy alloy-ceramic gradient composites. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2018, 25, 1320-1328.	4.9	11

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19	Preparation of WC/CoCrFeNiAl _{0.2} high-entropy-alloy composites by high-gravity combustion synthesis. International Journal of Minerals, Metallurgy and Materials, 2020, 27, 244-251.	4.9	10
20	Fabrication of ceramics/high-entropy alloys gradient composites by combustion synthesis in ultra-high gravity field. Materials Letters, 2018, 233, 4-7.	2.6	9
21	Microstructure and mechanical properties regulation and control of in-situ TiC reinforced CoCrFeNiAl _{0.2} high-entropy alloy matrix composites via high-gravity combustion route. Journal of Alloys and Compounds, 2022, 899, 163221.	5.5	8
22	Reaction Behavior, Microstructure, and Radiative Properties of In Situ ZrB ₂ -SiC Ceramic Composites from a Si-Zr-B ₄ C System. Journal of Materials Engineering and Performance, 2020, 29, 4822-4829.	2.5	4
23	A new method of preparing high-performance high-entropy alloys through high-gravity combustion synthesis. International Journal of Minerals, Metallurgy and Materials, 2020, 27, 1347-1352.	4.9	3