

Vishal Soni

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

850
citations

933447

10
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

714
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimizing the coupled effects of Hall-Petch and precipitation strengthening in a Al 0.3 CoCrFeNi high entropy alloy. <i>Materials and Design</i> , 2017, 121, 254-260.	7.0	287
2	Refractory high entropy superalloys (RSAs). <i>Scripta Materialia</i> , 2020, 187, 445-452.	5.2	111
3	Contrasting mechanical behavior in precipitation hardenable AlXCoCrFeNi high entropy alloy microstructures: Single phase FCC vs. dual phase FCC-BCC. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 739, 158-166.	5.6	97
4	A Combinatorial Approach for Assessing the Magnetic Properties of High Entropy Alloys: Role of Cr in AlCo _x Cr _{1-x} FeNi. <i>Advanced Engineering Materials</i> , 2017, 19, 1700048.	3.5	95
5	Phase stability as a function of temperature in a refractory high-entropy alloy. <i>Journal of Materials Research</i> , 2018, 33, 3235-3246.	2.6	80
6	Influence of ordered L12 precipitation on strain-rate dependent mechanical behavior in a eutectic high entropy alloy. <i>Scientific Reports</i> , 2019, 9, 6371.	3.3	59
7	Influence of non-magnetic Cu on enhancing the low temperature magnetic properties and Curie temperature of FeCoNiCrCu(x) high entropy alloys. <i>Scripta Materialia</i> , 2020, 182, 99-103.	5.2	40
8	Role of copper on L12 precipitation strengthened fcc based high entropy alloy. <i>Materialia</i> , 2019, 6, 100282.	2.7	31
9	Hierarchical Eutectoid Nano-lamellar Decomposition in an Al0.3CoFeNi Complex Concentrated Alloy. <i>Scientific Reports</i> , 2020, 10, 4836.	3.3	27
10	Highly tunable magnetic and mechanical properties in an Al0.3CoFeNi complex concentrated alloy. <i>Materialia</i> , 2020, 12, 100755.	2.7	17
11	Crystallographic and Compositional Evolution of Ordered B2 and Disordered BCC Phases During Isothermal Annealing of Refractory High-Entropy Alloys. <i>Microscopy and Microanalysis</i> , 2023, 29, 303-313.	0.4	4
12	Designing and characterizing a complex concentrated gamma/gamma prime γ/γ' superalloy™. <i>Microscopy and Microanalysis</i> , 2016, 22, 672-673.	0.4	2