

Jithin Joseph

List of Publications by Year in descending order

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19
papers

1,287
citations

687363

13
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

890
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimising the Al and Ti compositional window for the design of $\text{Al}_{0.5}\text{Co}_{0.5}\text{Cr}_{0.5}\text{Fe}_{0.5}\text{Ni}_{0.5}\text{Ti}$ high entropy alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 835, 142620.	5.6	31
2	Nanoparticle-mediated ultra grain refinement and reinforcement in additively manufactured titanium alloys. Additive Manufacturing, 2021, 46, 102173.	3.0	8
3	Computational design of thermally stable and precipitation-hardened Al-Co-Cr-Fe-Ni-Ti high entropy alloys. Journal of Alloys and Compounds, 2021, 888, 161496.	5.5	27
4	Cuboid-like nanostructure strengthened equiatomic $\text{Ti}_{0.5}\text{Zr}_{0.5}\text{Nb}_{0.5}\text{Ta}$ medium entropy alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 798, 140169.	5.6	32
5	Towards the large-scale production and strength prediction of near-eutectic $\text{Al}_x\text{CoCrFeNi}_{2.1}$ alloys by additive manufacturing. Manufacturing Letters, 2020, 25, 16-20.	2.2	27
6	On the enhanced wear resistance of CoCrFeMnNi high entropy alloy at intermediate temperature. Scripta Materialia, 2020, 186, 230-235.	5.2	92
7	Formation of a corrosion-resistant coating on zinc by a duplex plasma electrolytic oxidation and conversion surface treatment. Surface and Coatings Technology, 2020, 395, 125918.	4.8	7
8	Microstructure and mechanical properties of a high entropy alloy with a eutectic composition ($\text{AlCoCrFeNi}_{2.1}$) synthesized by mechanical alloying and spark plasma sintering. Journal of Alloys and Compounds, 2020, 835, 155424.	5.5	49
9	A scrap-tolerant alloying concept based on high entropy alloys. Acta Materialia, 2020, 200, 735-744.	7.9	21
10	Direct Laser Fabrication of Compositionally Complex Materials. Advances in Civil and Industrial Engineering Book Series, 2020, , 147-163.	0.2	0
11	Engineering heterogeneous microstructure by severe warm-rolling for enhancing strength-ductility synergy in eutectic high entropy alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 764, 138226.	5.6	67
12	The sliding wear behaviour of CoCrFeMnNi and $\text{Al}_x\text{CoCrFeNi}$ high entropy alloys at elevated temperatures. Wear, 2019, 428-429, 32-44.	3.1	277
13	Effect of hot isostatic pressing on the microstructure and mechanical properties of additive manufactured $\text{Al}_x\text{CoCrFeNi}$ high entropy alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 733, 59-70.	5.6	109
14	Understanding the mechanical behaviour and the large strength/ductility differences between FCC and BCC $\text{Al}_x\text{CoCrFeNi}$ high entropy alloys. Journal of Alloys and Compounds, 2017, 726, 885-895.	5.5	160
15	Tension/compression asymmetry in additive manufactured face centered cubic high entropy alloy. Scripta Materialia, 2017, 129, 30-34.	5.2	109
16	Comparative study of the microstructures and mechanical properties of direct laser fabricated and arc-melted $\text{Al}_x\text{CoCrFeNi}$ high entropy alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 633, 184-193.	5.6	250
17	Thermally flexible epoxy/cellulose blends mediated by an ionic liquid. RSC Advances, 2015, 5, 52832-52836.	3.6	10
18	Aluminising of Mild Steel Plates. ISRN Metallurgy, 2013, 2013, 1-6.	0.7	9

#	ARTICLE	IF	CITATIONS
19	Characterization and Tribological Performance of Cu-Based Intermetallic Layers. Key Engineering Materials, 0, 533, 195-200.	0.4	2