

# Jithin Joseph

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

1,287  
citations

687220

13  
h-index

887953

17  
g-index

19  
all docs

19  
docs citations

19  
times ranked

890  
citing authors

#	ARTICLE	IF	CITATIONS
1	The sliding wear behaviour of CoCrFeMnNi and AlxCoCrFeNi high entropy alloys at elevated temperatures. <i>Wear</i> , 2019, 428-429, 32-44.	1.5	277
2	Comparative study of the microstructures and mechanical properties of direct laser fabricated and arc-melted Al x CoCrFeNi high entropy alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 633, 184-193.	2.6	250
3	Understanding the mechanical behaviour and the large strength/ductility differences between FCC and BCC AlxCoCrFeNi high entropy alloys. <i>Journal of Alloys and Compounds</i> , 2017, 726, 885-895.	2.8	160
4	Tension/compression asymmetry in additive manufactured face centered cubic high entropy alloy. <i>Scripta Materialia</i> , 2017, 129, 30-34.	2.6	109
5	Effect of hot isostatic pressing on the microstructure and mechanical properties of additive manufactured AlxCoCrFeNi high entropy alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 733, 59-70.	2.6	109
6	On the enhanced wear resistance of CoCrFeMnNi high entropy alloy at intermediate temperature. <i>Scripta Materialia</i> , 2020, 186, 230-235.	2.6	92
7	Engineering heterogeneous microstructure by severe warm-rolling for enhancing strength-ductility synergy in eutectic high entropy alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 764, 138226.	2.6	67
8	Microstructure and mechanical properties of a high entropy alloy with a eutectic composition (AlCoCrFeNi2.1) synthesized by mechanical alloying and spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155424.	2.8	49
9	Cuboid-like nanostructure strengthened equiatomic Tiâ€“Zrâ€“Nbâ€“Ta medium entropy alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 798, 140169.	2.6	32
10	Optimising the Al and Ti compositional window for the design of Î³â€™ (L12)-strengthened Alâ€“Coâ€“Crâ€“Feâ€“Niâ€“Ti high entropy alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 835, 142620.	2.6	31
11	Towards the large-scale production and strength prediction of near-eutectic AlxCoCrFeNi2.1 alloys by additive manufacturing. <i>Manufacturing Letters</i> , 2020, 25, 16-20.	1.1	27
12	Computational design of thermally stable and precipitation-hardened Al-Co-Cr-Fe-Ni-Ti high entropy alloys. <i>Journal of Alloys and Compounds</i> , 2021, 888, 161496.	2.8	27
13	A scrap-tolerant alloying concept based on high entropy alloys. <i>Acta Materialia</i> , 2020, 200, 735-744.	3.8	21
14	Thermally flexible epoxy/cellulose blends mediated by an ionic liquid. <i>RSC Advances</i> , 2015, 5, 52832-52836.	1.7	10
15	Aluminising of Mild Steel Plates. <i>ISRN Metallurgy</i> , 2013, 2013, 1-6.	0.7	9
16	Nanoparticle-mediated ultra grain refinement and reinforcement in additively manufactured titanium alloys. <i>Additive Manufacturing</i> , 2021, 46, 102173.	1.7	8
17	Formation of a corrosion-resistant coating on zinc by a duplex plasma electrolytic oxidation and conversion surface treatment. <i>Surface and Coatings Technology</i> , 2020, 395, 125918.	2.2	7
18	Characterization and Tribological Performance of Cu-Based Intermetallic Layers. <i>Key Engineering Materials</i> , 0, 533, 195-200.	0.4	2

#	ARTICLE	IF	CITATIONS
19	Direct Laser Fabrication of Compositionally Complex Materials. Advances in Civil and Industrial Engineering Book Series, 2020, , 147-163.	0.2	0