

Rajasekhar Reddy Seelam

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

17
papers

358
citations

11
h-index

17
g-index

17
ext. papers

469
ext. citations

3.8
avg, IF

3.85
L-index

#	Paper	IF	Citations
17	Effect of niobium alloying on the microstructure, phase stability and mechanical properties of CoCrFeNi _{2.1} Nb _x high entropy alloys: Experimentation and thermodynamic modeling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 769, 138489	5.3	11
16	Heterogeneous precipitation mediated heterogeneous nanostructure enhances strength-ductility synergy in severely cryo-rolled and annealed CoCrFeNiNb high entropy alloy. <i>Scientific Reports</i> , 2020 , 10, 6056	4.9	19
15	Influence of Process Parameters on Microstructure Evolution During Hot Deformation of a Eutectic High-Entropy Alloy (EHEA). <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020 , 51, 6406-6420	2.3	7
14	Tuning nanostructure using thermo-mechanical processing for enhancing mechanical properties of complex intermetallic containing CoCrFeNi _{2.1} Nb _x high entropy alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 769, 138489	5.3	19
13	Microstructure and texture of a severely warm-rolled and annealed AlCoCrFeNi _{2.1} eutectic high entropy alloy. <i>Journal of Physics: Conference Series</i> , 2019 , 1270, 012054	0.3	1
12	Microstructural design by severe warm-rolling for tuning mechanical properties of AlCoCrFeNi _{2.1} eutectic high entropy alloy. <i>Intermetallics</i> , 2019 , 114, 106601	3.5	13
11	Texture homogeneity and stability in severely warm-rolled and annealed ultrafine pearlite. <i>Materials Science and Technology</i> , 2019 , 35, 437-447	1.5	5
10	Development and homogeneity of microstructure and texture in a lamellar AlCoCrFeNi _{2.1} eutectic high-entropy alloy severely strained in the warm-deformation regime. <i>Journal of Materials Research</i> , 2019 , 34, 687-699	2.5	11
9	Effect of prolonged aging on phase evolution and mechanical properties of intermetallic strengthened CoCrFeNi _{2.1} Nb _x high entropy alloys. <i>Materials Letters</i> , 2019 , 248, 119-122	3.3	11
8	Nanostructuring with Structural-Compositional Dual Heterogeneities Enhances Strength-Ductility Synergy in Eutectic High Entropy Alloy. <i>Scientific Reports</i> , 2019 , 9, 11505	4.9	38
7	Engineering heterogeneous microstructure by severe warm-rolling for enhancing strength-ductility synergy in eutectic high entropy alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 764, 138226	5.3	32
6	Influence of strain on the formation of cold-rolling and grain growth textures of an equiatomic HfZrTiTaNb refractory high entropy alloy. <i>Materials Characterization</i> , 2018 , 136, 286-292	3.9	20
5	Strain-path controlled microstructure, texture and hardness evolution in cryo-deformed AlCoCrFeNi _{2.1} eutectic high entropy alloy. <i>Intermetallics</i> , 2018 , 97, 12-21	3.5	20
4	Effect of strain path on microstructure and texture formation in cold-rolled and annealed FCC equiatomic CoCrFeMnNi high entropy alloy. <i>Intermetallics</i> , 2017 , 87, 94-103	3.5	17
3	Superplastic-like flow in a fine-grained equiatomic CoCrFeMnNi high-entropy alloy. <i>Materials Research Letters</i> , 2017 , 5, 408-414	7.4	44
2	Severe plastic deformation driven nanostructure and phase evolution in a Al 0.5 CoCrFeMnNi dual phase high entropy alloy. <i>Intermetallics</i> , 2017 , 91, 150-157	3.5	44
1	Evolution of microstructure and texture during thermo-mechanical processing of a two phase Al _{0.5} CoCrFeMnNi high entropy alloy. <i>Materials Characterization</i> , 2016 , 118, 417-424	3.9	46

