

Rajasekhar Reddy Seelam

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Superplastic-like flow in a fine-grained equiatomic CoCrFeMnNi high-entropy alloy. <i>Materials Research Letters</i> , 2017, 5, 408-414.	4.1	67
2	Nanostructuring with Structural-Compositional Dual Heterogeneities Enhances Strength-Ductility Synergy in Eutectic High Entropy Alloy. <i>Scientific Reports</i> , 2019, 9, 11505.	1.6	67
3	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.	2.6	67
4	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.	1.9	65
5	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.	1.8	63
6	Heterogeneous precipitation mediated heterogeneous nanostructure enhances strength-ductility synergy in severely cryo-rolled and annealed CoCrFeNi _{2.1} Nb _{0.2} high entropy alloy. <i>Scientific Reports</i> , 2020, 10, 6056.	1.6	40
7	Tuning nanostructure using thermo-mechanical processing for enhancing mechanical properties of complex intermetallic containing CoCrFeNi _{2.1} Nbx high entropy alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 769, 138489.	2.6	34
8	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.	1.8	31
9	Effect of niobium alloying on the microstructure, phase stability and mechanical properties of CoCrFeNi _{2.1} Nbx high entropy alloys: Experimentation and thermodynamic modeling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 793, 139897.	2.6	31
10	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.	1.9	28
11	Microstructural design by severe warm-rolling for tuning mechanical properties of AlCoCrFeNi _{2.1} eutectic high entropy alloy. <i>Intermetallics</i> , 2019, 114, 106601.	1.8	26
12	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.	1.8	23
13	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.	1.2	21
14	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.	1.1	18
15	Effect of prolonged aging on phase evolution and mechanical properties of intermetallic strengthened CoCrFeNi _{2.1} Nbx high entropy alloys. <i>Materials Letters</i> , 2019, 248, 119-122.	1.3	17
16	Texture homogeneity and stability in severely warm-rolled and annealed ultrafine pearlite. <i>Materials Science and Technology</i> , 2019, 35, 437-447.	0.8	6
17	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	2