

# Rajasekhar Reddy Seelam

## List of Publications by Citations

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17  
papers

358  
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17  
ext. papers

469  
ext. citations

3.8  
avg, IF

3.85  
L-index

#	Paper	IF	Citations
17	Evolution of microstructure and texture during thermo-mechanical processing of a two phase Al <sub>0.5</sub> CoCrFeMnNi high entropy alloy. <i>Materials Characterization</i> , <b>2016</b> , 118, 417-424	3.9	46
16	Superplastic-like flow in a fine-grained equiatomic CoCrFeMnNi high-entropy alloy. <i>Materials Research Letters</i> , <b>2017</b> , 5, 408-414	7.4	44
15	Severe plastic deformation driven nanostructure and phase evolution in a Al 0.5 CoCrFeMnNi dual phase high entropy alloy. <i>Intermetallics</i> , <b>2017</b> , 91, 150-157	3.5	44
14	Nanostructuring with Structural-Compositional Dual Heterogeneities Enhances Strength-Ductility Synergy in Eutectic High Entropy Alloy. <i>Scientific Reports</i> , <b>2019</b> , 9, 11505	4.9	38
13	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> , <b>2019</b> , 764, 138226	5.3	32
12	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> , <b>2018</b> , 136, 286-292	3.9	20
11	Strain-path controlled microstructure, texture and hardness evolution in cryo-deformed AlCoCrFeNi <sub>2.1</sub> eutectic high entropy alloy. <i>Intermetallics</i> , <b>2018</b> , 97, 12-21	3.5	20
10	Heterogeneous precipitation mediated heterogeneous nanostructure enhances strength-ductility synergy in severely cryo-rolled and annealed CoCrFeNiNb high entropy alloy. <i>Scientific Reports</i> , <b>2020</b> , 10, 6056	4.9	19
9	Tuning nanostructure using thermo-mechanical processing for enhancing mechanical properties of complex intermetallic containing CoCrFeNi <sub>2.1</sub> Nbx high entropy alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2020</b> , 769, 138489	5.3	19
8	Effect of strain path on microstructure and texture formation in cold-rolled and annealed FCC equiatomic CoCrFeMnNi high entropy alloy. <i>Intermetallics</i> , <b>2017</b> , 87, 94-103	3.5	17
7	Microstructural design by severe warm-rolling for tuning mechanical properties of AlCoCrFeNi <sub>2.1</sub> eutectic high entropy alloy. <i>Intermetallics</i> , <b>2019</b> , 114, 106601	3.5	13
6	Development and homogeneity of microstructure and texture in a lamellar AlCoCrFeNi <sub>2.1</sub> eutectic high-entropy alloy severely strained in the warm-deformation regime. <i>Journal of Materials Research</i> , <b>2019</b> , 34, 687-699	2.5	11
5	Effect of prolonged aging on phase evolution and mechanical properties of intermetallic strengthened CoCrFeNi <sub>2.1</sub> Nbx high entropy alloys. <i>Materials Letters</i> , <b>2019</b> , 248, 119-122	3.3	11
4	Effect of niobium alloying on the microstructure, phase stability and mechanical properties of CoCrFeNi <sub>2.1</sub> Nbx high entropy alloys: Experimentation and thermodynamic modeling. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2020</b> , 793, 139897	5.3	11
3	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> , <b>2020</b> , 51, 6406-6420	2.3	7
2	Texture homogeneity and stability in severely warm-rolled and annealed ultrafine pearlite. <i>Materials Science and Technology</i> , <b>2019</b> , 35, 437-447	1.5	5
1	Microstructure and texture of a severely warm-rolled and annealed AlCoCrFeNi <sub>2.1</sub> eutectic high entropy alloy. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1270, 012054	0.3	1

