

Shanamugasundaram Thangaraju

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,129
citations

759233

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docs citations

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times ranked

1010
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of copper on microstructural evolution and mechanical properties of laser-welded CoCrFeNi high entropy alloy. <i>Science and Technology of Welding and Joining</i> , 2022, 27, 197-203.	3.1	11
2	Microstructural evolution in CoCrFeNi and CoCrCuFeNi alloys processed by autogenous fusion welding. <i>Materials Science and Technology</i> , 2022, 38, 1127-1133.	1.6	3
3	Role of Al and Cr on cyclic oxidation behavior of AlCoCrFeNi ₂ high entropy alloy. <i>Journal of Alloys and Compounds</i> , 2022, 919, 165820.	5.5	16
4	The possibility of synthesizing an Al-based bulk metallic glass using powder metallurgy route. <i>Materials Today: Proceedings</i> , 2021, 41, 1060-1068.	1.8	0
5	Quantitative Phase Prediction in Dual-Phase High-Entropy Alloys: Computationally Aided Parametric Approach. <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2100106.	1.5	4
6	Effect of Welding Parameters and Artificial Aging on Mechanical Properties of Friction Stir Welded AA 7004 Alloys: Experimental and Artificial Neural Network Simulation. <i>Metallography, Microstructure, and Analysis</i> , 2021, 10, 515-524.	1.0	1
7	Hybrid particles dispersion strengthened aluminum metal matrix composite processed by stir casting. <i>Materials Today: Proceedings</i> , 2021, 39, 1210-1214.	1.8	3
8	Development of a novel light weight Al ₃₅ Cr ₁₄ Mg ₆ Ti ₃₅ V ₁₀ high entropy alloy using mechanical alloying and spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2020, 820, 153367.	5.5	46
9	Structure-property relationships in hot forged Al _x CoCrFeNi high entropy alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 793, 139877.	5.6	37
10	Microstructure and Mechanical Properties of AA7005 Alloy Joint by Fusion and Solid-State Welding Processes. <i>Transactions of the Indian Institute of Metals</i> , 2020, 73, 1503-1507.	1.5	0
11	Fabrication of AA7005/TiB ₂ -B ₄ C surface composite by friction stir processing: Evaluation of ballistic behaviour. <i>Defence Technology</i> , 2019, 15, 363-368.	4.2	44
12	Inter-Dependency Relationships in High-Entropy Alloys: Phase Stability Criteria. <i>Advanced Engineering Materials</i> , 2019, 21, 1900251.	3.5	12
13	High temperature wear in CoCrFeNiCu _x high entropy alloys: The role of Cu. <i>Scripta Materialia</i> , 2019, 161, 28-31.	5.2	237
14	Phase Stability of a Mechanically Alloyed CoCrCuFeNi High Entropy Alloy. <i>Advanced Engineering Materials</i> , 2017, 19, 1700095.	3.5	41
15	Strengthening and weakening by repeated dynamic impact in microcrystals and nanocrystals. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 639, 97-102.	5.6	4
16	On grain refinement of a β -TiAl alloy using cryo-milling followed by spark plasma sintering. <i>Intermetallics</i> , 2015, 66, 141-148.	3.9	25
17	Effect of Y ₂ O ₃ on Spark Plasma Sintering Kinetics of Nanocrystalline 9Cr-1Mo Ferritic Oxide Dispersion-Strengthened Steels. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013, 44, 4037-4041.	2.2	6
18	On the Estimation of True Hall-Petch Constants and Their Role on the Superposition Law Exponent in Al Alloys. <i>Advanced Engineering Materials</i> , 2012, 14, 892-897.	3.5	82

#	ARTICLE	IF	CITATIONS
19	Temperature dependence of the strength of fine- and ultrafine-grained materials. <i>Acta Materialia</i> , 2011, 59, 1300-1308.	7.9	123
20	On the Hall-Petch relationship in a nanostructured Al-Cu alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 7821-7825.	5.6	178
21	Microstructure and Mechanical Properties of Nanostructured Al-4Cu Alloy Produced by Mechanical Alloying and Vacuum Hot Pressing. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2009, 40, 2798-2801.	2.2	48
22	Development of ultrafine grained high strength Al-Cu alloy by cryorolling. <i>Scripta Materialia</i> , 2006, 54, 2013-2017.	5.2	201
23	Thermal Stability of Vacuum Hot Pressed Bulk Nanostructured Al-Cu Alloys. <i>Materials Science Forum</i> , 0, 690, 234-237.	0.3	7