

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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794594

19
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23
all docs

23
docs citations

23
times ranked

1010
citing authors

#	ARTICLE	IF	CITATIONS
1	High temperature wear in CoCrFeNiCu _x high entropy alloys: The role of Cu. Scripta Materialia, 2019, 161, 28-31.	5.2	237
2	Development of ultrafine grained high strength Al-Cu alloy by cryorolling. Scripta Materialia, 2006, 54, 2013-2017.	5.2	201
3	On the Hall-Petch relationship in a nanostructured Al-Cu alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 7821-7825.	5.6	178
4	Temperature dependence of the strength of fine- and ultrafine-grained materials. Acta Materialia, 2011, 59, 1300-1308.	7.9	123
5	On the Estimation of True Hall-Petch Constants and Their Role on the Superposition Law Exponent in Al Alloys. Advanced Engineering Materials, 2012, 14, 892-897.	3.5	82
6	Microstructure and Mechanical Properties of Nanostructured Al-4Cu Alloy Produced by Mechanical Alloying and Vacuum Hot Pressing. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2009, 40, 2798-2801.	2.2	48
7	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. Journal of Alloys and Compounds, 2020, 820, 153367.	5.5	46
8	Fabrication of AA7005/TiB ₂ -B ₄ C surface composite by friction stir processing: Evaluation of ballistic behaviour. Defence Technology, 2019, 15, 363-368.	4.2	44
9	Phase Stability of a Mechanically Alloyed CoCrCuFeNi High Entropy Alloy. Advanced Engineering Materials, 2017, 19, 1700095.	3.5	41
10	Structure-property relationships in hot forged Al _x CoCrFeNi high entropy alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 793, 139877.	5.6	37
11	On grain refinement of a Ti ₃ -TiAl alloy using cryo-milling followed by spark plasma sintering. Intermetallics, 2015, 66, 141-148.	3.9	25
12	Role of Al and Cr on cyclic oxidation behavior of AlCoCrFeNi ₂ high entropy alloy. Journal of Alloys and Compounds, 2022, 919, 165820.	5.5	16
13	Inter-Dependency Relationships in High-Entropy Alloys: Phase Stability Criteria. Advanced Engineering Materials, 2019, 21, 1900251.	3.5	12
14	Effect of copper on microstructural evolution and mechanical properties of laser-welded CoCrFeNi high entropy alloy. Science and Technology of Welding and Joining, 2022, 27, 197-203.	3.1	11
15	Thermal Stability of Vacuum Hot Pressed Bulk Nanostructured Al-Cu Alloys. Materials Science Forum, 0, 690, 234-237.	0.3	7
16	Effect of Y ₂ O ₃ on Spark Plasma Sintering Kinetics of Nanocrystalline 9Cr-1Mo Ferritic Oxide Dispersion-Strengthened Steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 4037-4041.	2.2	6
17	Strengthening and weakening by repeated dynamic impact in microcrystals and nanocrystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 639, 97-102.	5.6	4
18	Quantitative Phase Prediction in Dual-Phase High-Entropy Alloys: Computationally Aided Parametric Approach. Physica Status Solidi (B): Basic Research, 2021, 258, 2100106.	1.5	4

#	ARTICLE	IF	CITATIONS
19	Hybrid particles dispersion strengthened aluminum metal matrix composite processed by stir casting. Materials Today: Proceedings, 2021, 39, 1210-1214.	1.8	3
20	Microstructural evolution in CoCrFeNi and CoCrCuFeNi alloys processed by autogenous fusion welding. Materials Science and Technology, 2022, 38, 1127-1133.	1.6	3
21	Effect of Welding Parameters and Artificial Aging on Mechanical Properties of Friction Stir Welded AA 7004 Alloys: Experimental and Artificial Neural Network Simulation. Metallography, Microstructure, and Analysis, 2021, 10, 515-524.	1.0	1
22	Microstructure and Mechanical Properties of AA7005 Alloy Joint by Fusion and Solid-State Welding Processes. Transactions of the Indian Institute of Metals, 2020, 73, 1503-1507.	1.5	0
23	The possibility of synthesizing an Al-based bulk metallic glass using powder metallurgy route. Materials Today: Proceedings, 2021, 41, 1060-1068.	1.8	0