

Vikas Shivam

List of Publications by Year in descending order

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papers

600
citations

623188

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20
all docs

20
docs citations

20
times ranked

324
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical and experimental study on phase stability of TiVZrMoW refractory high entropy alloy. Philosophical Magazine, 2022, 102, 480-503.	0.7	25
2	Development of Oxide Dispersed Austenitic Stainless Steel through Mechanical Alloying and Spark Plasma Sintering. Journal of Materials Engineering and Performance, 2022, 31, 9522-9533.	1.2	1
3	Powder Metallurgical Processing of Sn-Reinforced Al-Cu-Fe Quasicrystals: Structure, Microstructure and Toughening Behavior. Journal of Manufacturing and Materials Processing, 2022, 6, 60.	1.0	5
4	Synthesis, Characterization and Thermal Stability of Nanocrystalline MgAlMnFeCu Low-Density High-Entropy Alloy. Transactions of the Indian Institute of Metals, 2021, 74, 33-44.	0.7	27
5	Local Composition Migration Induced Microstructural Evolution and Mechanical Properties of Non-equiatomic Fe ₄₀ Cr ₂₅ Ni ₁₅ Al ₁₅ Co ₅ Medium-Entropy Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 1777-1789.	1.1	34
6	Microstructural Evolution and Mechanical Properties of Nano-Yttria Dispersed 316 L Austenitic Stainless Steel by Mechanical Alloying and Sintering. Transactions of the Indian Institute of Metals, 2021, 74, 2093-2104.	0.7	2
7	Fabrication of MgAlSiCrFe Low-Density High-Entropy Alloy by Mechanical Alloying and Spark Plasma Sintering. Transactions of the Indian Institute of Metals, 2021, 74, 2203-2219.	0.7	22
8	MgAlSiCrFeNi low-density high entropy alloy processed by mechanical alloying and spark plasma sintering: Effect on phase evolution and thermal stability. Journal of Alloys and Compounds, 2021, 875, 159923.	2.8	34
9	Microstructural Refinement and Mechanical Properties of Ferritic Stainless Steel Processed by Equal-Channel Angular Pressing. Journal of Materials Engineering and Performance, 2020, 29, 6818-6830.	1.2	5
10	Evolution of phases, hardness and magnetic properties of AlCoCrFeNi high entropy alloy processed by mechanical alloying. Journal of Alloys and Compounds, 2020, 832, 154826.	2.8	66
11	Phase Evolution and Thermal Stability of Mechanically Alloyed AlCrFeCoNiZn High-Entropy Alloy. Transactions of the Indian Institute of Metals, 2020, 73, 821-830.	0.7	24
12	Fabrication of Al-Cu-Fe quasicrystal reinforced 6082 aluminium matrix nanocomposites through mechanical milling and spark plasma sintering. Journal of Alloys and Compounds, 2020, 828, 154258.	2.8	33
13	Phase evolution and mechanical properties of non-equiatomic Fe-Mn-Ni-Cr-Al-Si-C high entropy steel. Journal of Alloys and Compounds, 2020, 834, 155013.	2.8	30
14	Mechanically driven structural transformation in Sn reinforced Al-Cu-Fe quasicrystalline matrix nanocomposite. Journal of Alloys and Compounds, 2020, 834, 155065.	2.8	16
15	Synthesis and characterization of Sn reinforced Al-Cu-Fe quasicrystalline matrix nanocomposite by mechanical milling. Journal of Alloys and Compounds, 2019, 797, 1280-1287.	2.8	23
16	Alloying behavior and thermal stability of mechanically alloyed nano AlCoCrFeNiTi high-entropy alloy. Journal of Materials Research, 2019, 34, 787-795.	1.2	31
17	Phase evolution and thermal stability of mechanically alloyed CoCrCuFeNi high entropy alloy. Materials Research Express, 2019, 6, 1265b9.	0.8	7
18	Mechano-chemical synthesis, thermal stability and phase evolution in AlCoCrFeNiMn high entropy alloy. Journal of Alloys and Compounds, 2018, 757, 87-97.	2.8	92

#	ARTICLE	IF	CITATIONS
19	Alloying behaviour, thermal stability and phase evolution in quinary AlCoCrFeNi high entropy alloy. Advanced Powder Technology, 2018, 29, 2221-2230.	2.0	123