

Prosanta Biswas

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

179
citations

933447

10
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

57
citing authors

#	ARTICLE	IF	CITATIONS
1	Equal channel angular pressing die design through finite element analysis method for non-strain hardening material. Canadian Metallurgical Quarterly, 2022, 61, 493-512.	1.2	3
2	Effect of Mn addition on the micromechanical response and failure of Al-12.6Si alloy using actual microstructure based RVE model. Materials Today: Proceedings, 2022, 66, 3790-3798.	1.8	0
3	Effect of Mn Addition on the Mechanical Properties of Al-12.6Si Alloy: Role of Al ₁₅ (MnFe) ₃ Si ₂ Intermetallic and Microstructure Modification. Metals and Materials International, 2021, 27, 1713-1727.	3.4	11
4	Effect of TiB ₂ and Al ₃ Ti on the microstructure, mechanical properties and fracture behaviour of near eutectic Al-12.6Si alloy. International Journal of Minerals, Metallurgy and Materials, 2021, 28, 1174-1185.	4.9	19
5	Failures analysis of in-situ Al-Mg ₂ Si composites using actual microstructure based model. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 797, 140155.	5.6	25
6	Structure-property correlation of eutectic Al-12.4 Si alloys with and without Zirconium (Zr) addition. International Journal of Cast Metals Research, 2020, 33, 134-145.	1.0	11
7	Micromechanical response of Al-Mg ₂ Si composites using approximated representative volume elements (RVEs) model. Materials Research Express, 2019, 6, 1165c6.	1.6	10
8	Effect of Bi addition on microstructure and mechanical properties of hypereutectic Al-17.6Si alloy. Materials Research Express, 2019, 6, 1165b9.	1.6	20
9	Effect of Mg ₂ Si Concentration on the Dry Sliding Wear Behavior of Al-Mg ₂ Si Composite. Journal of Tribology, 2019, 141, .	1.9	20
10	Microstructure, mechanical properties and fracture behavior of in-situ Al-5Mg-Al ₄ Sr composites. Materials Today Communications, 2018, 15, 190-198.	1.9	16
11	Finite element analysis of stress-strain localization and distribution in Al-4.5Cu-2Mg alloy. Transactions of Nonferrous Metals Society of China, 2018, 28, 1200-1215.	4.2	11
12	Effects of Mn addition on microstructure and hardness of Al-12.6Si alloy. IOP Conference Series: Materials Science and Engineering, 2018, 338, 012043.	0.6	10
13	Microstructural evolution and hardness property of <i>in situ</i> Al-Mg ₂ Si composites using one-step gravity casting method. Canadian Metallurgical Quarterly, 2017, 56, 340-348.	1.2	23