Prosanta Biswas

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3489681/publications.pdf

Version: 2024-02-01

13	179	933447 10	1199594 12
papers	citations	h-index	g-index

13	13	13	57
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Failures analysis of in-situ Alâ€“Mg2Si composites using actual microstructure based model. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 797, 140155.	5.6	25
2	Microstructural evolution and hardness property of in situ Alâ€“Mg₂Si composites using one-step gravity casting method. Canadian Metallurgical Quarterly, 2017, 56, 340-348.	1.2	23
3	Effect of Bi addition on microstructure and mechanical properties of hypereutectic Al-17.6Si alloy. Materials Research Express, 2019, 6, 1165b9.	1.6	20
4	Effect of Mg2Si Concentration on the Dry Sliding Wear Behavior of Alâ€“Mg2Si Composite. Journal of Tribology, 2019, 141, .	1.9	20
5	Effect of TiB2 and Al3Ti 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
6	Microstructure, mechanical properties and fracture behavior of in-situ Al-5Mg-Al4Sr composites. Materials Today Communications, 2018, 15, 190-198.	1.9	16
7	Finite element analysis of stressâ€“strain localization and distribution in Al-4.5Cu-2Mg alloy. Transactions of Nonferrous Metals Society of China, 2018, 28, 1200-1215.	4.2	11
8	Effect of Mn Addition on the Mechanical Properties of Alâ€“12.6Si Alloy: Role of Al15(MnFe)3Si2 Intermetallic and Microstructure Modification. Metals and Materials International, 2021, 27, 1713-1727.	3.4	11
9	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
10	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
11	Micromechanical response of Alâ€“Mg₂Si composites using approximated representative volume elements (RVEs) model. Materials Research Express, 2019, 6, 1165c6.	1.6	10
12	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
13	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