Manojit Ghosh

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Effects of Processing Parameters of 3D Bioprinting on the Cellular Activity of Bioinks. Macromolecular Bioscience, 2021, 21, e2000179.	4.1	61
2	Correlating r-value and through thickness texture in Al–Mg–Si alloy sheets. Journal of Alloys and Compounds, 2015, 619, 585-591.	5.5	57
3	On the role of precipitates in controlling microstructure and mechanical properties of Ag and Sn added 7075 alloys during artificial ageing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 738, 399-411.	5.6	55
4	Warm deep-drawing and post drawing analysis of two Al–Mg–Si alloys. Journal of Materials Processing Technology, 2014, 214, 756-766.	6.3	45
5	Influence of homogenisation time on evolution of eutectic phases, dispersoid behaviour and crystallographic texture for Al–Zn–Mg–Cu–Ag alloy. Journal of Alloys and Compounds, 2019, 802, 276-289.	5.5	42
6	Microstructure and texture development of 7075 alloy during homogenisation. Philosophical Magazine, 2018, 98, 1470-1490.	1.6	40
7	Phase transformation and dispersoid evolution for Al-Zn-Mg-Cu alloy containing Sn during homogenisation. Journal of Materials Research and Technology, 2020, 9, 1-12.	5.8	40
8	Influence of pretreatment on surface behavior of duplex plasma treated AISI H13 tool steel. Surfaces and Interfaces, 2017, 8, 206-213.	3.0	32
9	Development of ultrafine grained Al–Zn–Mg–Cu alloy by equal channel angular pressing: microstructure, texture and mechanical properties. Archives of Civil and Mechanical Engineering, 2020, 20, 1.	3.8	25
10	Tensile and impact behaviour of thermo mechanically treated and micro-alloyed medium carbon steel bar. Construction and Building Materials, 2018, 192, 657-670.	7.2	24
11	Polysaccharides from Dolichos biflorus Linn and Trachyspermum ammi Linn seeds: isolation, characterization and remarkable antimicrobial activity. Chemistry Central Journal, 2017, 11, 118.	2.6	16
12	Microstructure and wear behaviour of pulsed plasma nitrided AISI H13 tool steel. Canadian Metallurgical Quarterly, 2016, 55, 402-408.	1.2	14
13	3D FEM simulation of Al-Zn-Mg-Cu alloy during multi-pass ECAP with varying processing routes. Materials Today Communications, 2021, 26, 102112.	1.9	13
14	Transitions near the onset of low Prandtl-number rotating convection in presence of horizontal magnetic field. Physics of Fluids, 2020, 32, .	4.0	12
15	Ageing Behaviour of Sc-Doped Cu–Zn–Al Shape Memory Alloys. Arabian Journal for Science and Engineering, 2019, 44, 1569-1581.	3.0	9
16	Investigation of phase evolution of Al–Si–Mg coating on hot dipped interstitial-free steel. Results in Materials, 2020, 6, 100078.	1.8	8
17	Corrosion Characteristics of Copper-Added Austempered Gray Cast Iron (AGCI). Materials, 2019, 12, 503.	2.9	7
18	Effect of heat treatment and severe plastic deformation on microstructure and texture evolution of 7075 alloy. Materials Today: Proceedings, 2020, 33, 5239-5242.	1.8	7

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19	Influence of temperature on microstructure, crystallographic texture and mechanical properties of EN AW 6016 alloy during plane strain compression. Materials Today Communications, 2021, 26, 101808.	1.9	7
20	Effect of Trace Added Sn on Mechanical Properties of Al-Zn-Mg Alloy. Advanced Materials Research, 2013, 828, 73-80.	0.3	5
21	Fretting Wear Resistance of Titanium Foam Developed by Powder Metallurgy Route. Procedia Manufacturing, 2019, 35, 833-839.	1.9	5
22	Effect of temperature on anisotropy in forming simulation of aluminum alloys. International Journal of Material Forming, 2009, 2, 387-390.	2.0	4
23	Effect of ZnO coating on two different sized α-Fe nanoparticles: synthesis and detailed investigation of their structural, optical, hyperfine and magnetic characteristics. Journal of Materials Science: Materials in Electronics, 2017, 28, 6950-6958.	2.2	4
24	Hybrid Plastics and Natural Materials. , 2022, , 288-305.		4
25	Thermo-mechanical Forming of Al-Mg-Si Alloys: Modeling and Experiments. , 2010, , .		3
26	Environmental pollution due to gaseous emissions during non-ferrous extraction processes. Russian Journal of Non-Ferrous Metals, 2014, 55, 263-269.	0.6	3
27	Wear Behavior of Cenosphere Dispersed Titanium Composite Foam Developed by Powder Metallurgy Route. Materials Science Forum, 0, 941, 2047-2053.	0.3	3
28	A Study on the Phase Formation and Physical Characteristics of Hot-Dip Aluminized Coating at 750°C. Metallography, Microstructure, and Analysis, 2021, 10, 823-838.	1.0	3
29	Microstructureâ€textureâ€fracture toughness property correlation in annealed Alâ€6Mg alloy with minor scandium and zirconium additions. Fatigue and Fracture of Engineering Materials and Structures, 2012, 35, 1071-1078.	3.4	2
30	Study of mechanical properties, microstructures and corrosion behavior of al 7075 t651 alloy with varying strain rate. IOP Conference Series: Materials Science and Engineering, 2015, 75, 012031.	0.6	2
31	Parametric optimization of WEDM for EN AW 7075 alloy processed by ECAP. Materials Today: Proceedings, 2020, 33, 5279-5283.	1.8	2
32	Atmospheric plasma irradiation for surface modification of Cu-TiC thin film. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	2
33	Influence of deposition time and surface roughness on microstructure and corrosion behavior of sputter-deposited pure Al coating on 4130 chromalloy steel. Materials Today: Proceedings, 2022, , .	1.8	2
34	Structural, optical, hyperfine and magnetization studies of ZnO encapsulated α-Fe nanoparticles. Materials Research Bulletin, 2014, 60, 566-571.	5.2	1
35	Carbon impact on surface morphology and electrical properties of Cu-TiC thin film. Materials Research Express, 2020, 7, 036406.	1.6	1
36	Revealing Substructure Through SEM-Based Gallium Enhanced Microscopy for EN AW-6016 Alloy. Metallography, Microstructure, and Analysis, 2020, 9, 86-91.	1.0	1

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37	Conductive glass coating: Effect of atmospheric plasma treatment. AIP Conference Proceedings, 2019, ,	0.4	0
38	Comparing Methods for Computing the Electrical Superconducting Property With Microstructure of Electron Beam Welded High Purity Niobium. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-8.	1.7	0
39	Evaluating the performance of sputter-deposited Aluminium alloy-based coatings on steel in the light of grain orientation, surface roughness, and corrosion behaviour. Canadian Metallurgical Quarterly, 0, , 1-14.	1.2	0