Ashwath Pazhani

List of Publications by Year
in descending order

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20 papers	222 citations	1162889 8 h-index	996849 15 g-index
20 all docs	20 docs citations	20 times ranked	206 citing authors

#	Article	IF	Citations
1	The Effect of Ball Milling & Reinforcement Percentage on Sintered Samples of Aluminium Alloy Metal Matrix Composites. Procedia Engineering, 2014, 97, 1027-1032.	1.2	50
2	Processing methods and property evaluation of Al₂O₃ and SiC reinforced metal matrix composites based on aluminium 2xxx alloys. Journal of Materials Research, 2016, 31, 1201-1219.	1.2	40
3	Effect of ceramic reinforcements on microwave sintered metal matrix composites. Materials and Manufacturing Processes, 2018, 33, 7-12.	2.7	32
4	Effect of SiC and Al2O3 particles addition to AA 2900 and AA 2024 MMCâ€™s synthesized through microwave sintering. Materials Today: Proceedings, 2018, 5, 7329-7336.	0.9	19
5	Ultrasonication and microwave processing of aluminum alloy- Graphene - Al₂O₃ nanocomposite. Materials and Manufacturing Processes, 2018, 33, 13-18.	2.7	14
6	Flexural studies of graphene reinforced aluminium metal matrix composite. Materials Today: Proceedings, 2018, 5, 13459-13463.	0.9	11
7	Selective laser melting of Alâ€“Siâ€“10Mg alloy: microstructural studies and mechanical properties assessment. Journal of Materials Research and Technology, 2022, 17, 2249-2258.	2.6	11
8	Processing and characterization of extruded 2024 series of aluminum alloy. Materials Today: Proceedings, 2018, 5, 12479-12483.	0.9	10
9	Effect of recast layer thickness on the mechanical characteristics of INCONEL 718 machined by spark EDM process. Materials Today: Proceedings, 2018, 5, 8249-8255.	0.9	6
10	Effect of recast layer on the low cycle fatigue life of electric discharge machined inconel 718. Materials Today: Proceedings, 2018, 5, 12666-12672.	0.9	5
11	Microwave-assisted T6 heat treating of aluminium alloy-Al2O3 nanocomposites. MRS Communications, 2022, 12, 245-249.	0.8	5
12	Effect of microwave heat treating processing on frictional behaviour of aluminium alloy 2900 composites. Tribology - Materials, Surfaces and Interfaces, 2018, 12, 85-96.	0.6	4
13	Effect of Copper Alloying and Reinforcement Percentage on the Microstructure-Tribological Aspects of the Aluminium Alloy Composites. Materials Today: Proceedings, 2018, 5, 11853-11858.	0.9	4
14	Mechanical properties evaluation of hot extruded AA 2024 â€“Graphene Nanocomposites. Materials Today: Proceedings, 2018, 5, 12519-12524.	0.9	4
15	Dry Sliding Wear Behaviour of T6-Aluminium Alloy Composites Compared with Existing Aircraft Brake Pads. Arabian Journal for Science and Engineering, 2021, 46, 11971-11984.	1.7	3
16	Analysis of Strength and Microstructural Characteristics of Heat Treated Al Alloy Composites. Materials Today: Proceedings, 2018, 5, 11802-11807.	0.9	2
17	Heat Treating Studies of Graphene Reinforced Aluminium Metal Matrix Composite. Materials Today: Proceedings, 2018, 5, 11859-11863.	0.9	2
18	Effect of Precipitation Hardening on Particle Reinforced Aluminum Alloy Composites. , 2015, , .		0

#	Article	IF	Citations
19	Synthesis and property evaluation of hot extruded AA2024 â€“MWCNT Nanocomposites. Materials Today: Proceedings, 2018, 5, 12545-12550.	0.9	0
20	Improving the Surface Characteristics by Employing FSP on the Composites for the Automobile Brake Pad Application. , 2019, , .		0