Arul Kulandaivel

List of Publications by Year
in descending order

27	252	1307594	1058476
papers	citations	7 h-index	14 g-index

27	27	27	114
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Experimental analysis on drilling of super duplex stainless steel 2507 (SDSS 2507) using cryogenic LCO2 and MQL process. Biomass Conversion and Biorefinery, 2024, 14, 3987-3998.	4.6	5
2	A review on design analysis and fabrication of body framing and chassis developing of electrical ATV. Materials Today: Proceedings, 2022, 51, 1030-1034.	1.8	1
3	Physical and mechanical properties of AA2219/BN composites. Materials Today: Proceedings, 2022, , .	1.8	1
4	Studies on mechanical and morphological of TIG welded aluminum alloy. Materials Today: Proceedings, 2022, 59, 1533-1536.	1.8	2
5	Effect of welding speed on the mechanical properties of AA6061 Al alloy joined by friction stir welding. Materials Today: Proceedings, 2022, 59, 1544-1549.	1.8	5
6	Experimental characteristics and optimization of friction stir welded AA5052-AA6061 using RSM technique. Materials Today: Proceedings, 2022, 59, 1379-1387.	1.8	4
7	A current state of metal additive manufacturing methods: A review. Materials Today: Proceedings, 2022, 59, 1277-1283.	1.8	17
8	Multiple response optimization of machining parameters in turning nimonic C263 using TOPSIS approach. Materials Today: Proceedings, 2022, 59, 1414-1419.	1.8	2
9	Performance study on phase change material integrated solar still coupled with solar collector. Materials Today: Proceedings, 2022, 59, 1319-1323.	1.8	8
10	Optimization on Tribological Behaviour of AA7178/Nano Titanium Diboride Hybrid Composites Employing Taguchi Techniques. Journal of Nanomaterials, 2022, 2022, 1-8.	2.7	11
11	Optimization of Process Parameters for Friction Stir Welding of Different Aluminum Alloys AA2618 to AA5086 by Taguchi Method. Advances in Materials Science and Engineering, 2022, 2022, 1-9.	1.8	8
12	Experimental Investigation of the Friction Stir Weldability of AA8006 with Zirconia Particle Reinforcement and Optimized Process Parameters. Materials, 2021, 14, 2782.	2.9	49
13	Optimization of Process Parameters in CNC Turning of Aluminum 7075 Alloy Using L27 Array-Based Taguchi Method. Materials, 2021, 14, 4470.	2.9	33
14	Performance and evaluation of vegetable oil-based fluids as future cutting fluids in turning of duplex stainless steel. Journal of Physics: Conference Series, 2021, 2027, 012005.	0.4	2
15	Mechanical properties of waste silk fibre reinforced PLA bio composites manufactured through hand layup method. Journal of Physics: Conference Series, 2021, 2027, 012016.	0.4	4
16	Optimization of forces of feed, cutting and thrust based contribution parameters in machining with cutting fluid. Journal of Physics: Conference Series, 2021, 2027, 012014.	0.4	1
17	Optimization on end milling operating parameters for super alloy of Inconel 617 by Taguchiâ€™s L27 orthogonal array. Journal of Physics: Conference Series, 2021, 2027, 012013.	0.4	0
18	Investigations on compressive strength of titanium diboride and graphite reinforced Magnesium Matrix Composites. Journal of Physics: Conference Series, 2021, 2027, 012009.	0.4	3

#	Article	IF	Citations
19	A literature review on friction stir welding of dissimilar materials. Materials Today: Proceedings, 2021, 47, 286-291.	1.8	8
20	Statistical Modelling to Study the Implications of Coated Tools for Machining AA 2014 Using Grey Taguchi-Based Response Surface Methodology. Advances in Materials Science and Engineering, 2021, 2021, 1-20.	1.8	10
21	Predictive model development in dry turning of Nimonic C263 by artificial neural networks. Materials Today: Proceedings, 2021, , .	1.8	2
22	Investigation of machining attributes on machining of alloys under nano fluid MQL environment: A review. Materials Today: Proceedings, 2021, , .	1.8	5
23	Studies on the effects of bluff body materials in scramjet applications. Materials Today: Proceedings, 2021, , .	1.8	0
24	Effect of magneto rheological minimum quantity lubrication on machinability, wettability and tribological behavior in turning of Monel K500 alloy. Machining Science and Technology, 2020, 24, 810-836.	2.5	42
25	Magnetorheological based minimum quantity lubrication (MR-MQL) with additive n-CuO. Materials and Manufacturing Processes, 2020, 35, 405-414.	4.7	19
26	Effect of jet machining parameters on output features for hybrid composites-A review. Materials Today: Proceedings, 2020, , .	1.8	0
27	Experimental Investigation on Turning of Monel K500 Alloy Using Nano Graphene Cutting Fluid Under Minimum Quantity Lubrication. , 2019, , .		10