

Arul Kulandaivel

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

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citations

1307594

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docs citations

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times ranked

114
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Investigation of the Friction Stir Weldability of AA8006 with Zirconia Particle Reinforcement and Optimized Process Parameters. <i>Materials</i> , 2021, 14, 2782.	2.9	49
2	Effect of magneto rheological minimum quantity lubrication on machinability, wettability and tribological behavior in turning of Monel K500 alloy. <i>Machining Science and Technology</i> , 2020, 24, 810-836.	2.5	42
3	Optimization of Process Parameters in CNC Turning of Aluminum 7075 Alloy Using L27 Array-Based Taguchi Method. <i>Materials</i> , 2021, 14, 4470.	2.9	33
4	Magnetorheological based minimum quantity lubrication (MR-MQL) with additive n-CuO. <i>Materials and Manufacturing Processes</i> , 2020, 35, 405-414.	4.7	19
5	A current state of metal additive manufacturing methods: A review. <i>Materials Today: Proceedings</i> , 2022, 59, 1277-1283.	1.8	17
6	Optimization on Tribological Behaviour of AA7178/Nano Titanium Diboride Hybrid Composites Employing Taguchi Techniques. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-8.	2.7	11
7	Experimental Investigation on Turning of Monel K500 Alloy Using Nano Graphene Cutting Fluid Under Minimum Quantity Lubrication. , 2019, , .		10
8	Statistical Modelling to Study the Implications of Coated Tools for Machining AA 2014 Using Grey Taguchi-Based Response Surface Methodology. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-20.	1.8	10
9	A literature review on friction stir welding of dissimilar materials. <i>Materials Today: Proceedings</i> , 2021, 47, 286-291.	1.8	8
10	Performance study on phase change material integrated solar still coupled with solar collector. <i>Materials Today: Proceedings</i> , 2022, 59, 1319-1323.	1.8	8
11	Optimization of Process Parameters for Friction Stir Welding of Different Aluminum Alloys AA2618 to AA5086 by Taguchi Method. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-9.	1.8	8
12	Effect of welding speed on the mechanical properties of AA6061 Al alloy joined by friction stir welding. <i>Materials Today: Proceedings</i> , 2022, 59, 1544-1549.	1.8	5
13	Experimental analysis on drilling of super duplex stainless steel 2507 (SDSS 2507) using cryogenic LCO2 and MQL process. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 3987-3998.	4.6	5
14	Investigation of machining attributes on machining of alloys under nano fluid MQL environment: A review. <i>Materials Today: Proceedings</i> , 2021, , .	1.8	5
15	Mechanical properties of waste silk fibre reinforced PLA bio composites manufactured through hand layup method. <i>Journal of Physics: Conference Series</i> , 2021, 2027, 012016.	0.4	4
16	Experimental characteristics and optimization of friction stir welded AA5052-AA6061 using RSM technique. <i>Materials Today: Proceedings</i> , 2022, 59, 1379-1387.	1.8	4
17	Investigations on compressive strength of titanium diboride and graphite reinforced Magnesium Matrix Composites. <i>Journal of Physics: Conference Series</i> , 2021, 2027, 012009.	0.4	3
18	Performance and evaluation of vegetable oil-based fluids as future cutting fluids in turning of duplex stainless steel. <i>Journal of Physics: Conference Series</i> , 2021, 2027, 012005.	0.4	2

#	ARTICLE	IF	CITATIONS
19	Studies on mechanical and morphological of TiC welded aluminum alloy. Materials Today: Proceedings, 2022, 59, 1533-1536.	1.8	2
20	Predictive model development in dry turning of Nimonic C263 by artificial neural networks. Materials Today: Proceedings, 2021, , .	1.8	2
21	Multiple response optimization of machining parameters in turning nimonic C263 using TOPSIS approach. Materials Today: Proceedings, 2022, 59, 1414-1419.	1.8	2
22	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
23	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
24	Physical and mechanical properties of AA2219/BN composites. Materials Today: Proceedings, 2022, , .	1.8	1
25	Optimization on end milling operating parameters for super alloy of Inconel 617 by Taguchi's L27 orthogonal array. Journal of Physics: Conference Series, 2021, 2027, 012013.	0.4	0
26	Effect of jet machining parameters on output features for hybrid composites-A review. Materials Today: Proceedings, 2020, , .	1.8	0
27	Studies on the effects of bluff body materials in scramjet applications. Materials Today: Proceedings, 2021, , .	1.8	0