Yuvaraj Natarajan

List of Publications by Year
in descending order

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37	760	758635	552369
papers	citations	12 h-index	26 g-index

38	38	38	518
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Abrasive water jet piercing of straight and inclined holes on Yttria-Stabilized Zirconia coated Ni-based superalloy. Materials and Manufacturing Processes, 2022, 37, 1175-1189.	2.7	5
2	Optimization of atomized spray cutting fluid eco-friendly turning of Inconel 718 alloy using ARAS and CODAS methods. International Journal of Advanced Manufacturing Technology, 2022, 120, 4551-4564.	1.5	12
3	Simulation of AWJ drilling process using the FEA coupled SPH models: A preliminary study. Materials Today: Proceedings, 2022, , .	0.9	2
4	Insights into drilling film cooling holes on ceramic-coated nickel-based superalloys. Archives of Civil and Mechanical Engineering, 2022, 22, .	1.9	7
5	Influence of Different Abrasives Mixtures on Abrasive Water Jet Drilling of Die Steel. Lecture Notes in Mechanical Engineering, 2021, , 511-519.	0.3	1
6	Use of Atomized Spray Cutting Fluid Technique for the Turning of a Nickel Base Superalloy. Materials and Manufacturing Processes, 2021, 36, 373-380.	2.7	15
7	Influence of Abrasive Water Jet Machining Parameters on Hybrid Polymer Composite. Journal of the Institution of Engineers (India): Series C, 2021, 102, 713-722.	0.7	3
8	Multi objective taguchiâ€“grey relational analysis and krill herd algorithm approaches to investigate the parametric optimization in abrasive water jet drilling of stainless steel. Applied Soft Computing Journal, 2021, 102, 107075.	4.1	27
9	Multi-objective Soft Computing Approaches to Evaluate the Performance of Abrasive Water Jet drilling Parameters on Die Steel. Arabian Journal for Science and Engineering, 2021, 46, 7893.	1.7	7
10	Experimental investigation on abrasive water jet polishing of stainless steel: a preliminary study. International Journal of Surface Science and Engineering, 2021, 15, 67.	0.4	4
11	Abrasive Water Jet Piercing of Superalloys: A Study of Small Diameter Deep Holes. Lecture Notes in Mechanical Engineering, 2021, , 183-196.	0.3	1
12	Optimization of Process Parameters for Turning Hastelloy X under Different Machining Environments Using Evolutionary Algorithms: A Comparative Study. Applied Sciences (Switzerland), 2021, 11, 9725.	1.3	11
13	Investigation of monolayer coated WC inserts on turning Ti-alloy. Materials and Manufacturing Processes, 2020, 35, 826-835.	2.7	14
14	Investigation of surface integrity in end milling of 55NiCrMoV7 die steel under the cryogenic environments. Machining Science and Technology, 2020, 24, 465-488.	1.4	13
15	Abrasive Water Jet Machining process: A state of art of review. Journal of Manufacturing Processes, 2020, 49, 271-322.	2.8	192
16	Abrasive water jet piercing of inclined holes on ceramic coated nickel superalloy: A preliminary study. Manufacturing Letters, 2020, 26, 59-63.	1.1	14
17	Study and evaluation of process parameter on Nimonic 75 alloy by Electrochemical micromachining. IOP Conference Series: Materials Science and Engineering, 2020, 923, 012021.	0.3	2
18	Selection of Heat Transfer Fluids for Solar Thermal Applications Using Multi-Criteria Decision-Making Tools. Journal of Testing and Evaluation, 2020, 48, 595-612.	0.4	8

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19	Investigation of Surface Morphology and Topography Features on Abrasive Water Jet Milled Surface Pattern of SS 304. Journal of Testing and Evaluation, 2020, 48, 2981-2997.	0.4	14
20	Experimental Investigation of Twist Fatigue Characteristics on Piston Rings. International Journal of Vehicle Structures and Systems, 2020, 12, .	0.1	0
21	Impact of Electrical Process Parameter in Electrochemical Micromachining of Nimonic 75 Alloy. International Journal of Vehicle Structures and Systems, 2020, 12, .	0.1	0
22	Experimental investigation on cryogenic assisted abrasive aqua jet machining of die steel. FME Transactions, 2020, 48, 954-961.	0.7	0
23	Experimental study of the influence of the process parameters in the milling of Al6082-T6 alloy. Materials and Manufacturing Processes, 2019, 34, 1411-1427.	2.7	32
24	Experimental Investigation on Cryogenic Assisted Abrasive Water Jet Machining of Aluminium Alloy. International Journal of Precision Engineering and Manufacturing - Green Technology, 2019, 6, 415-432.	2.7	18
25	Investigation of AlCrN-Coated Inserts on Cryogenic Turning of Ti-6Al-4V Alloy. Metals, 2019, 9, 1338.	1.0	5
26	Machinability study of abrasive aqua jet parameters on hybrid metal matrix composite. Materials and Manufacturing Processes, 2019, 34, 321-344.	2.7	24
27	Influence of cryogenic reaming process parameters on titanium alloy by using Grey relational analysis. FME Transactions, 2019, 47, 634-640.	0.7	2
28	Investigation of water jet peening process parameters on AL6061-T6. Surface Engineering, 2018, 34, 330-340.	1.1	28
29	Optimisation of abrasive water jet cutting process parameters for AA5083-H32 aluminium alloy using fuzzy TOPSIS method. International Journal of Machining and Machinability of Materials, 2018, 20, 118.	0.1	7
30	Optimisation of abrasive water jet cutting process parameters for AA5083-H32 aluminium alloy using fuzzy TOPSIS method. International Journal of Machining and Machinability of Materials, 2018, 20, 118.	0.1	6
31	Investigation of process parameters influence in abrasive water jet cutting of D2 steel. Materials and Manufacturing Processes, 2017, 32, 151-161.	2.7	31
32	Study and evaluation of abrasive water jet cutting performance on AA5083-H32 aluminum alloy by varying the jet impingement angles with different abrasive mesh sizes. Machining Science and Technology, 2017, 21, 385-415.	1.4	32
33	Surface integrity studies on abrasive water jet cutting of AISI D2 steel. Materials and Manufacturing Processes, 2017, 32, 162-170.	2.7	40
34	Influence of Process Parameters on Electrochemical Micromachining of Nimonic 75 Alloy. , 2017, , .		5
35	Cutting of aluminium alloy with abrasive water jet and cryogenic assisted abrasive water jet: A comparative study of the surface integrity approach. Wear, 2016, 362-363, 18-32.	1.5	38
36	Multiresponse Optimization of Abrasive Water Jet Cutting Process Parameters Using TOPSIS Approach. Materials and Manufacturing Processes, 2015, 30, 882-889.	2.7	128

#	Article	IF	Citations
37	Abrasive Water Jet Machining of Al6063/B4C/ZrSiO4 Hybrid Composites: a Study of Machinability and Surface Characterization Analysis. Silicon, 0, , 1.	1.8	11