

M Manjaiah

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical Simulation of Stainless Steel Powder Feeding in a Coaxial Nozzle for High Powder Efficiency in Laser Direct Energy Deposition. <i>Frontiers in Mechanical Engineering</i> , 2022, 8, .	0.8	0
2	Tool Wear Rate and Surface Integrity Studies in Wire Electric Discharge Machining of NiTiNOL Shape Memory Alloy Using Diffusion Annealed Coated Electrode Materials. <i>Machines</i> , 2022, 10, 138.	1.2	8
3	Wear Performance Optimization of SiC-Gr Reinforced Al Hybrid Metal Matrix Composites Using Integrated Regression-Antlion Algorithm. <i>Silicon</i> , 2021, 13, 3941-3951.	1.8	13
4	Experimental Investigation on Tool Wear in AISI H13 Die Steel Turning Using RSM and ANN Methods. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 2311-2325.	1.7	21
5	A Comparative Study on Characteristics of Inconel-625 Joints Developed through Microwave Hybrid Heating and Tungsten Inert Gas Welding. <i>Transactions of the Indian Institute of Metals</i> , 2021, 74, 531-540.	0.7	7
6	Machinability Analysis and Optimization in Wire EDM of Medical Grade NiTiNOL Memory Alloy. <i>Materials</i> , 2020, 13, 2184.	1.3	29
7	Effect of process parameters on track geometry, microstructural evolution on 316L stainless steel multi-layer clads. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 259, 114583.	1.7	12
8	Investigation on material removal rate, surface and subsurface characteristics in wire electro discharge machining of Ti ₅₀ Ni _{50-x} Cu _x shape memory alloy. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2018, 232, 164-177.	0.7	14
9	Optimization of Microbial Leaching of Base Metals from a South African Sulfidic Nickel Ore Concentrate by <i>Acidithiobacillus ferrooxidans</i> . <i>Geomicrobiology Journal</i> , 2018, 35, 447-459.	1.0	8
10	Predictive modelling of dry sliding wear in sealed plasma-sprayed Mo coating using response surface methodology. <i>Tribology - Materials, Surfaces and Interfaces</i> , 2018, 12, 1-8.	0.6	4
11	Characterization of Laser Remelted Plasma-Sprayed Mo Coating on AISI 1020 Steel. <i>Silicon</i> , 2017, 9, 741-751.	1.8	4
12	Optimization of Hole Characteristics During Pulse Nd:YAG Laser Drilling of Commercially Pure Titanium Alloy. <i>Lasers in Manufacturing and Materials Processing</i> , 2017, 4, 76-91.	1.2	9
13	Effect of anodizing on surface integrity of Grade 4 titanium for biomedical applications. <i>Surface and Coatings Technology</i> , 2017, 310, 263-272.	2.2	27
14	Multiresponse optimization in wire electric discharge machining (WEDM) of HCHCr steel by integrating response surface methodology (RSM) with differential evolution (DE)., 2017, , 199-221.		16
15	A review of the surface modifications of titanium alloys for biomedical applications. <i>Materiali in Tehnologije</i> , 2017, 51, 181-193.	0.3	13
16	Influence of process parameters on material removal rate and surface roughness in WED-machining of Ti ₅₀ Ni ₄₀ Cu ₁₀ shape memory alloy. <i>International Journal of Machining and Machinability of Materials</i> , 2016, 18, 36.	0.1	13
17	Parametric optimization of MRR and surface roughness in wire electro discharge machining (WEDM) of D2 steel using Taguchi-based utility approach. <i>International Journal of Mechanical and Materials Engineering</i> , 2016, 11, .	1.1	50
18	Wire Electro Discharge Machining Performance of TiNiCu Shape Memory Alloy. <i>Silicon</i> , 2016, 8, 467-475.	1.8	36

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19	Effect of electrode material in wire electro discharge machining characteristics of Ti50Ni50 $\hat{\wedge}$ xCu $\hat{\wedge}$ shape memory alloy. Precision Engineering, 2015, 41, 68-77.	1.8	76
20	Statistical optimization of melt-quenching process parameters for multiple properties of ternary barium phosphate glasses. Materials Chemistry and Physics, 2015, 152, 127-134.	2.0	6
21	Wire electric discharge machining characteristics of titanium nickel shape memory alloy. Transactions of Nonferrous Metals Society of China, 2014, 24, 3201-3209.	1.7	70
22	Review on non-conventional machining of shape memory alloys. Transactions of Nonferrous Metals Society of China, 2014, 24, 12-21.	1.7	93
23	Experimental investigations on performance characteristics in wire electro discharge machining of Ti50Ni42.4Cu7.6 shape memory alloy. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2013, 227, 1180-1187.	1.5	33