

M Manjaiah

List of Publications by Year in descending order

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23
papers

562
citations

758635

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713013

21
g-index

24
all docs

24
docs citations

24
times ranked

401
citing authors

#	ARTICLE	IF	CITATIONS
1	Review on non-conventional machining of shape memory alloys. Transactions of Nonferrous Metals Society of China, 2014, 24, 12-21.	1.7	93
2	Effect of electrode material in wire electro discharge machining characteristics of Ti50Ni50â ^x Cux shape memory alloy. Precision Engineering, 2015, 41, 68-77.	1.8	76
3	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
4	Parametric optimization of MRR and surface roughness in wire electro discharge machining (WEDM) of D2 steel using Taguchi-based utility approach. International Journal of Mechanical and Materials Engineering, 2016, 11, .	1.1	50
5	Wire Electro Discharge Machining Performance of TiNiCu Shape Memory Alloy. Silicon, 2016, 8, 467-475.	1.8	36
6	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
7	Machinability Analysis and Optimization in Wire EDM of Medical Grade NiTiNOL Memory Alloy. Materials, 2020, 13, 2184.	1.3	29
8	Effect of anodizing on surface integrity of Grade 4 titanium for biomedical applications. Surface and Coatings Technology, 2017, 310, 263-272.	2.2	27
9	Experimental Investigation on Tool Wear in AISI H13 Die Steel Turning Using RSM and ANN Methods. Arabian Journal for Science and Engineering, 2021, 46, 2311-2325.	1.7	21
10	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
11	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. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications. 2018, 232, 164-177.	0.7	14
12	Influence of process parameters on material removal rate and surface roughness in WED-machining of Ti<SUB align="right">50Ni<SUB align="right">40Cu<SUB align="right">10 shape memory alloy. International Journal of Machining and Machinability of Materials, 2016, 18, 36.	0.1	13
13	Wear Performance Optimization of SiC-Gr Reinforced Al Hybrid Metal Matrix Composites Using Integrated Regression-Antlion Algorithm. Silicon, 2021, 13, 3941-3951.	1.8	13
14	A review of the surface modifications of titanium alloys for biomedical applications. Materiali in Tehnologije, 2017, 51, 181-193.	0.3	13
15	Effect of process parameters on track geometry, microstructural evolution on 316L stainless steel multi-layer clads. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 259, 114583.	1.7	12
16	Optimization of Hole Characteristics During Pulse Nd:YAG Laser Drilling of Commercially Pure Titanium Alloy. Lasers in Manufacturing and Materials Processing, 2017, 4, 76-91.	1.2	9
17	Optimization of Microbial Leaching of Base Metals from a South African Sulfidic Nickel Ore Concentrate by <i>Acidithiobacillus ferrooxidans</i>. Geomicrobiology Journal, 2018, 35, 447-459.	1.0	8
18	Tool Wear Rate and Surface Integrity Studies in Wire Electric Discharge Machining of NiTiNOL Shape Memory Alloy Using Diffusion Annealed Coated Electrode Materials. Machines, 2022, 10, 138.	1.2	8

#	ARTICLE	IF	CITATIONS
19	A Comparative Study on Characteristics of Inconel-625 Joints Developed through Microwave Hybrid Heating and Tungsten Inert Gas Welding. Transactions of the Indian Institute of Metals, 2021, 74, 531-540.	0.7	7
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	Characterization of Laser Remelted Plasma-Sprayed Mo Coating on AISI 1020 Steel. Silicon, 2017, 9, 741-751.	1.8	4
22	Predictive modelling of dry sliding wear in sealed plasma-sprayed Mo coating using response surface methodology. Tribology - Materials, Surfaces and Interfaces, 2018, 12, 1-8.	0.6	4
23	Numerical Simulation of Stainless Steel Powder Feeding in a Coaxial Nozzle for High Powder Efficiency in Laser Direct Energy Deposition. Frontiers in Mechanical Engineering, 2022, 8, .	0.8	0