

Vignesh M

List of Publications by Year in descending order

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23
papers

263
citations

1163117

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15
g-index

23
all docs

23
docs citations

23
times ranked

187
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal additive manufacturing of commercial aerospace components â€œ A comprehensive review. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2023, 237, 441-454.	2.5	15
2	Hot corrosion behaviour of constant and pulsed current welded Hastelloy X in Na ₂ SO ₄ , V ₂ O ₅ , and NaCl salt mixture at 900 Â°C. Materials Research Express, 2022, 9, 020008.	1.6	3
3	Machining of Y ₂ O ₃ reinforced magnesium rare earth alloys using wire electrical discharge turning process. Machining Science and Technology, 2022, 26, 160-182.	2.5	1
4	Magnesium role in additive manufacturing of biomedical implants â€œ Challenges and opportunities. Additive Manufacturing, 2022, 55, 102802.	3.0	9
5	Numerical modelling and experimental validation of crater formation in WEDM hybrid turning of Ti-6Al-4V alloy. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2021, 235, 392-404.	2.5	10
6	Optimization of fatigue life and fractography analysis of knuckle joint. Materials Today: Proceedings, 2021, 46, 4344-4348.	1.8	17
7	Development of Biomedical Implants through Additive Manufacturing: A Review. Journal of Materials Engineering and Performance, 2021, 30, 4735-4744.	2.5	44
8	Statistical modelling and analysis of material removal rate and surface roughness during wire electrical discharge hybrid turning (WEDHT) process. Sadhana - Academy Proceedings in Engineering Sciences, 2021, 46, 1.	1.3	3
9	Structural analysis of hybridized glass fiber hemp fiber reinforced composite wheel rim. Materials Today: Proceedings, 2021, 46, 3960-3965.	1.8	3
10	Application of Grey Theory and Fuzzy Logic to Optimize Machining Parameters of Zircon Sand Reinforced Aluminum Composites. Lecture Notes in Mechanical Engineering, 2021, , 653-662.	0.4	3
11	Laser-assisted high speed machining of Inconel 718 alloy. , 2020, , 243-262.		4
12	Machining of Ti-6Al-4V using diffusion annealed zinc-coated brass wire in WEDHT. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	5
13	Machining investigation on Ti-6Al-4V alloy using a wire electrical discharge hybrid turning (WEDHT) process. Materials Research Express, 2019, 6, 086563.	1.6	7
14	Comparative machining studies on custom 450 alloy with TiCN, TiAlN coated and uncoated carbide tools using Taguchi-Fuzzy logic approach. Materials Research Express, 2019, 6, 066411.	1.6	8
15	Improvement of Machinability Using Eco-Friendly Cutting Oil in Turning Duplex Stainless Steel. Materials Today: Proceedings, 2018, 5, 12303-12310.	1.8	14
16	A Comprehensive Review on Wire Electrical Discharge Based Hybrid Turning (WEDHT). Materials Today: Proceedings, 2018, 5, 12273-12284.	1.8	11
17	Response optimisation in wire electrical discharge machining of AISI H11 tool steel using Taguchi - GRA approach. International Journal of Machining and Machinability of Materials, 2018, 20, 474.	0.1	3
18	Comparative evaluation of performances of TiAlN, AlCrN, TiAlN/AlCrN coated carbide cutting tools and uncoated carbide cutting tools on turning Inconel 825 alloy using Grey Relational Analysis. Sensors and Actuators A: Physical, 2018, 279, 331-342.	4.1	38

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19	Response optimisation in wire electrical discharge machining of AISI H11 tool steel using Taguchi - GRA approach. International Journal of Machining and Machinability of Materials, 2018, 20, 474.	0.1	7
20	Enhancement of Performance of Solar Parabolic Trough Collector Using Selective Absorption Coating. Applied Mechanics and Materials, 2017, 867, 187-190.	0.2	0
21	A Parametric Optimization on Cutting Force during Laser Assisted Machining of Inconel 718 Alloy. Applied Mechanics and Materials, 2015, 787, 460-464.	0.2	6
22	Study of Cutting force and Surface Roughness in machining of Al alloy Hybrid Composite and Optimized using Response Surface Methodology. Procedia Engineering, 2014, 97, 677-686.	1.2	48
23	Tool Wear Analysis of Al 6061 Reinforced with 10 wt% Al ₂ O ₃ Using High Hardened Inserts. Applied Mechanics and Materials, 0, 787, 643-647.	0.2	4