

Vignesh M

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1221956/publications.pdf>

Version: 2024-02-01

23
papers

263
citations

1163117

8
h-index

996975

15
g-index

23
all docs

23
docs citations

23
times ranked

187
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of Cutting force and Surface Roughness in machining of Al alloy Hybrid Composite and Optimized using Response Surface Methodology. <i>Procedia Engineering</i> , 2014, 97, 677-686.	1.2	48
2	Development of Biomedical Implants through Additive Manufacturing: A Review. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 4735-4744.	2.5	44
3	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. <i>Sensors and Actuators A: Physical</i> , 2018, 279, 331-342.	4.1	38
4	Optimization of fatigue life and fractography analysis of knuckle joint. <i>Materials Today: Proceedings</i> , 2021, 46, 4344-4348.	1.8	17
5	Metal additive manufacturing of commercial aerospace components – A comprehensive review. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2023, 237, 441-454.	2.5	15
6	Improvement of Machinability Using Eco-Friendly Cutting Oil in Turning Duplex Stainless Steel. <i>Materials Today: Proceedings</i> , 2018, 5, 12303-12310.	1.8	14
7	A Comprehensive Review on Wire Electrical Discharge Based Hybrid Turning (WEDHT). <i>Materials Today: Proceedings</i> , 2018, 5, 12273-12284.	1.8	11
8	Numerical modelling and experimental validation of crater formation in WEDM hybrid turning of Ti-6Al-4V alloy. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2021, 235, 392-404.	2.5	10
9	Magnesium role in additive manufacturing of biomedical implants – Challenges and opportunities. <i>Additive Manufacturing</i> , 2022, 55, 102802.	3.0	9
10	Comparative machining studies on custom 450 alloy with TiCN, TiAlN coated and uncoated carbide tools using Taguchi-Fuzzy logic approach. <i>Materials Research Express</i> , 2019, 6, 066411.	1.6	8
11	Machining investigation on Ti-6Al-4V alloy using a wire electrical discharge hybrid turning (WEDHT) process. <i>Materials Research Express</i> , 2019, 6, 086563.	1.6	7
12	Response optimisation in wire electrical discharge machining of AISI H11 tool steel using Taguchi - GRA approach. <i>International Journal of Machining and Machinability of Materials</i> , 2018, 20, 474.	0.1	7
13	A Parametric Optimization on Cutting Force during Laser Assisted Machining of Inconel 718 Alloy. <i>Applied Mechanics and Materials</i> , 2015, 787, 460-464.	0.2	6
14	Machining of Ti-6Al-4V using diffusion annealed zinc-coated brass wire in WEDHT. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	1.6	5
15	Tool Wear Analysis of Al 6061 Reinforced with 10 wt% Al ₂ O ₃ Using High Hardened Inserts. <i>Applied Mechanics and Materials</i> , 0, 787, 643-647.	0.2	4
16	Laser-assisted high speed machining of Inconel 718 alloy. , 2020, , 243-262.		4
17	Response optimisation in wire electrical discharge machining of AISI H11 tool steel using Taguchi - GRA approach. <i>International Journal of Machining and Machinability of Materials</i> , 2018, 20, 474.	0.1	3
18	Statistical modelling and analysis of material removal rate and surface roughness during wire electrical discharge hybrid turning (WEDHT) process. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2021, 46, 1.	1.3	3

#	ARTICLE	IF	CITATIONS
19	Structural analysis of hybridized glass fiber hemp fiber reinforced composite wheel rim. Materials Today: Proceedings, 2021, 46, 3960-3965.	1.8	3
20	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
21	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
22	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
23	Enhancement of Performance of Solar Parabolic Trough Collector Using Selective Absorption Coating. Applied Mechanics and Materials, 2017, 867, 187-190.	0.2	0