

Victor Songmene

List of Publications by Year in descending order

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papers

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759233

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34
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34
docs citations

34
times ranked

371
citing authors

#	ARTICLE	IF	CITATIONS
1	Preventive maintenance and silica exposure limits integrated in the production planning of a granite processing unit. <i>Journal of Quality in Maintenance Engineering</i> , 2023, 29, 1-26.	1.7	1
2	Effects of Trace Elements on the Microstructural and Machinability Characteristics of Al-Si-Cu-Mg Castings. <i>Materials</i> , 2022, 15, 377.	2.9	5
3	Effect of Intermetallics and Drill Materials on the Machinability of Al-Si Cast Alloys. <i>Materials</i> , 2022, 15, 916.	2.9	3
4	Milling Al520-MMC Reinforced with SiC Particles and Additive Elements Bi and Sn. <i>Materials</i> , 2022, 15, 1533.	2.9	2
5	Mechanical Performance and Precipitation Behavior in Al-Si-Cu-Mg Cast Alloys: Effect of Prolonged Thermal Exposure. <i>Materials</i> , 2022, 15, 2830.	2.9	4
6	Assessment of the Influence of Additives on the Mechanical Properties and Machinability of Al-11%Si Cast Alloys: Application of DOE and ANOVA Methods. <i>Materials</i> , 2022, 15, 3297.	2.9	0
7	A Numerical Model for Predicting the Effect of Tool Nose Radius on Machining Process Performance during Orthogonal Cutting of AISI 1045 Steel. <i>Materials</i> , 2022, 15, 3369.	2.9	7
8	Characterization of Si and SiO ₂ in Dust Emitted during Granite Polishing as a Function of Cutting Conditions. <i>Materials</i> , 2022, 15, 3965.	2.9	1
9	Effect of Zr and Ti Addition and Aging Treatment on the Microstructure and Tensile Properties of Al-2%Cu-Based Alloys. <i>Materials</i> , 2022, 15, 4511.	2.9	2
10	Modelling for cost and productivity optimisation in sustainable manufacturing: a case of dry versus wet machining of mould steels. <i>International Journal of Production Research</i> , 2021, 59, 5352-5371.	7.5	3
11	Regression and ANFIS-based models for predicting of surface roughness and thrust force during drilling of biocomposites. <i>Neural Computing and Applications</i> , 2021, 33, 11721-11738.	5.6	2
12	Low and High Speed Orthogonal Cutting of AA6061-T6 under Dry and Flood-Coolant Modes: Tool Wear and Residual Stress Measurements and Predictions. <i>Materials</i> , 2021, 14, 4293.	2.9	8
13	3D FE modeling and experimental analysis of residual stresses and machining characteristics induced by dry, MQL, and wet turning of AA6061-T6. <i>Machining Science and Technology</i> , 2021, 25, 957-983.	2.5	5
14	Predictive Analytical Modeling of Thermo-Mechanical Effects in Orthogonal Machining. <i>Materials</i> , 2021, 14, 7876.	2.9	0
15	Effects of reinforcements and cutting parameters on machinability of polypropylene-based biocomposite reinforced with biocarbon particles and chopped miscanthus fibers. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 110, 3423-3444.	3.0	3
16	Effect of turning environments and parameters on surface integrity of AA6061-T6: experimental analysis, predictive modeling, and multi-criteria optimization. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 110, 2669-2683.	3.0	16
17	On the impacts of tool geometry and cutting conditions in straight turning of aluminum alloys 6061-T6: an experimentally validated numerical study. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 106, 4547-4565.	3.0	24
18	Ultrafine and fine particle emission in turning titanium metal matrix composite (Ti-MMC). <i>Journal of Central South University</i> , 2019, 26, 1563-1572.	3.0	2

#	ARTICLE	IF	CITATIONS
19	Machinability of Rene 65 Superalloy. <i>Materials</i> , 2019, 12, 2034.	2.9	11
20	Inconel 718 Superalloy Controlled Surface Integrity for Fatigue Applications Produced by Precision Turning. <i>International Journal of Precision Engineering and Manufacturing</i> , 2019, 20, 1297-1310.	2.2	9
21	Machinability Study of Hardened 1045 Steel When Milling with Ceramic Cutting Inserts. <i>Materials</i> , 2019, 12, 3974.	2.9	17
22	A comprehensive review of finite element modeling of orthogonal machining process: chip formation and surface integrity predictions. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 96, 3747-3791.	3.0	63
23	Finite element analysis and response surface method for robust multi-performance optimization of radial turning of hard 300M steel. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 94, 2457-2474.	3.0	28
24	Valuation of the Effect of Barium on Surface Roughness and Ultrafine Particle Emission While Dry Milling Al-20MgSi Metal Matrix composite. , 2018, , .		0
25	To characterize and optimize the surface quality attributes in slot milling operation. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 93, 727-746.	3.0	6
26	Effect of MQL and dry processes on the particle emission and part quality during milling of aluminum alloys. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 92, 2593-2598.	3.0	38
27	Predictive analytical modeling of cutting forces generated by high-speed machining of ductile and hard metals. <i>Machining Science and Technology</i> , 2017, 21, 335-361.	2.5	7
28	An Hybrid Approach Based on Machining and Dynamic Tests Data for the Identification of Material Constitutive Equations. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 1010-1027.	2.5	9
29	Analytical modelling of slot milling exit burr size. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 73, 421-432.	3.0	24
30	Modeling of burr thickness in milling of ductile materials. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 66, 2029-2039.	3.0	37
31	The use of acoustic emission information to distinguish between dry and lubricated rolling element bearings in low-speed rotating machines. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 69, 2679-2689.	3.0	33
32	Evaluation of machined part surface roughness using image texture gradient factor. <i>International Journal of Precision Engineering and Manufacturing</i> , 2013, 14, 183-190.	2.2	44
33	Simultaneous optimization of burrs size and surface finish when milling 6061-T6 aluminium alloy. <i>International Journal of Precision Engineering and Manufacturing</i> , 2013, 14, 1311-1320.	2.2	23
34	A comprehensive analysis of cutting forces during routing of multilayer carbon fiber-reinforced polymer laminates. <i>Journal of Composite Materials</i> , 2012, 46, 1955-1971.	2.4	22