

# Victor Songmene

## List of Publications by Year in descending order

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34  
papers

459  
citations

759233

12  
h-index

713466

21  
g-index

34  
all docs

34  
docs citations

34  
times ranked

371  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive review of finite element modeling of orthogonal machining process: chip formation and surface integrity predictions. International Journal of Advanced Manufacturing Technology, 2018, 96, 3747-3791.	3.0	63
2	Evaluation of machined part surface roughness using image texture gradient factor. International Journal of Precision Engineering and Manufacturing, 2013, 14, 183-190.	2.2	44
3	Effect of MQL and dry processes on the particle emission and part quality during milling of aluminum alloys. International Journal of Advanced Manufacturing Technology, 2017, 92, 2593-2598.	3.0	38
4	Modeling of burr thickness in milling of ductile materials. International Journal of Advanced Manufacturing Technology, 2013, 66, 2029-2039.	3.0	37
5	The use of acoustic emission information to distinguish between dry and lubricated rolling element bearings in low-speed rotating machines. International Journal of Advanced Manufacturing Technology, 2013, 69, 2679-2689.	3.0	33
6	Finite element analysis and response surface method for robust multi-performance optimization of radial turning of hard 300M steel. International Journal of Advanced Manufacturing Technology, 2018, 94, 2457-2474.	3.0	28
7	Analytical modelling of slot milling exit burr size. International Journal of Advanced Manufacturing Technology, 2014, 73, 421-432.	3.0	24
8	On the impacts of tool geometry and cutting conditions in straight turning of aluminum alloys 6061-T6: an experimentally validated numerical study. International Journal of Advanced Manufacturing Technology, 2020, 106, 4547-4565.	3.0	24
9	Simultaneous optimization of burrs size and surface finish when milling 6061-T6 aluminium alloy. International Journal of Precision Engineering and Manufacturing, 2013, 14, 1311-1320.	2.2	23
10	A comprehensive analysis of cutting forces during routing of multilayer carbon fiber-reinforced polymer laminates. Journal of Composite Materials, 2012, 46, 1955-1971.	2.4	22
11	Machinability Study of Hardened 1045 Steel When Milling with Ceramic Cutting Inserts. Materials, 2019, 12, 3974.	2.9	17
12	Effect of turning environments and parameters on surface integrity of AA6061-T6: experimental analysis, predictive modeling, and multi-criteria optimization. International Journal of Advanced Manufacturing Technology, 2020, 110, 2669-2683.	3.0	16
13	Machinability of Rene 65 Superalloy. Materials, 2019, 12, 2034.	2.9	11
14	An Hybrid Approach Based on Machining and Dynamic Tests Data for the Identification of Material Constitutive Equations. Journal of Materials Engineering and Performance, 2016, 25, 1010-1027.	2.5	9
15	Inconel 718 Superalloy Controlled Surface Integrity for Fatigue Applications Produced by Precision Turning. International Journal of Precision Engineering and Manufacturing, 2019, 20, 1297-1310.	2.2	9
16	Low and High Speed Orthogonal Cutting of AA6061-T6 under Dry and Flood-Coolant Modes: Tool Wear and Residual Stress Measurements and Predictions. Materials, 2021, 14, 4293.	2.9	8
17	Predictive analytical modeling of cutting forces generated by high-speed machining of ductile and hard metals. Machining Science and Technology, 2017, 21, 335-361.	2.5	7
18	A Numerical Model for Predicting the Effect of Tool Nose Radius on Machining Process Performance during Orthogonal Cutting of AISI 1045 Steel. Materials, 2022, 15, 3369.	2.9	7

#	ARTICLE	IF	CITATIONS
19	To characterize and optimize the surface quality attributes in slot milling operation. International Journal of Advanced Manufacturing Technology, 2017, 93, 727-746.	3.0	6
20	3D FE modeling and experimental analysis of residual stresses and machining characteristics induced by dry, MQL, and wet turning of AA6061-T6. Machining Science and Technology, 2021, 25, 957-983.	2.5	5
21	Effects of Trace Elements on the Microstructural and Machinability Characteristics of Al-Si-Cu-Mg Castings. Materials, 2022, 15, 377.	2.9	5
22	Mechanical Performance and Precipitation Behavior in Al-Si-Cu-Mg Cast Alloys: Effect of Prolonged Thermal Exposure. Materials, 2022, 15, 2830.	2.9	4
23	Effects of reinforcements and cutting parameters on machinability of polypropylene-based biocomposite reinforced with biocarbon particles and chopped miscanthus fibers. International Journal of Advanced Manufacturing Technology, 2020, 110, 3423-3444.	3.0	3
24	Modelling for cost and productivity optimisation in sustainable manufacturing: a case of dry versus wet machining of mould steels. International Journal of Production Research, 2021, 59, 5352-5371.	7.5	3
25	Effect of Intermetallics and Drill Materials on the Machinability of Al-Si Cast Alloys. Materials, 2022, 15, 916.	2.9	3
26	Ultrafine and fine particle emission in turning titanium metal matrix composite (Ti-MMC). Journal of Central South University, 2019, 26, 1563-1572.	3.0	2
27	Regression and ANFIS-based models for predicting of surface roughness and thrust force during drilling of biocomposites. Neural Computing and Applications, 2021, 33, 11721-11738.	5.6	2
28	Milling Al520-MMC Reinforced with SiC Particles and Additive Elements Bi and Sn. Materials, 2022, 15, 1533.	2.9	2
29	Effect of Zr and Ti Addition and Aging Treatment on the Microstructure and Tensile Properties of Al-2%Cu-Based Alloys. Materials, 2022, 15, 4511.	2.9	2
30	Preventive maintenance and silica exposure limits integrated in the production planning of a granite processing unit. Journal of Quality in Maintenance Engineering, 2023, 29, 1-26.	1.7	1
31	Characterization of Si and SiO <sub>2</sub> in Dust Emitted during Granite Polishing as a Function of Cutting Conditions. Materials, 2022, 15, 3965.	2.9	1
32	Valuation of the Effect of Barium on Surface Roughness and Ultrafine Particle Emission While Dry Milling Al-20Mg<math>\text{Si}</math> Metal Matrix composite. , 2018, , .		0
33	Predictive Analytical Modeling of Thermo-Mechanical Effects in Orthogonal Machining. Materials, 2021, 14, 7876.	2.9	0
34	Assessment of the Influence of Additives on the Mechanical Properties and Machinability of Al-11%Si Cast Alloys: Application of DOE and ANOVA Methods. Materials, 2022, 15, 3297.	2.9	0