Turgay KÄ±vak

List of Publications by Year
in descending order

14 papers	1,200 citations	623734 14 h-index	1058476 14 g-index
14 all docs	14 docs citations	14 times ranked	557 citing authors

#	Article	IF	Citations
1	The effect of addition of hBN nanoparticles to nanofluid-MQL on tool wear patterns, tool life, roughness and temperature in turning of Ni-based Inconel 625. Tribology International, 2019, 134, 443-456.	5.9	240
2	Evaluation of tool wear, surface roughness/topography and chip morphology when machining of Ni-based alloy 625 under MQL, cryogenic cooling and CryoMQL. Journal of Materials Research and Technology, 2020, 9, 2079-2092.	5.8	194
3	Machinability performance of nickel alloy X-750 with SiAlON ceramic cutting tool under dry, MQL and hBN mixed nanofluid-MQL. Tribology International, 2021, 153, 106673.	5.9	99
4	Optimization of drilling parameters using Taguchi technique and response surface methodology (RSM) in drilling of AISI 304 steel with cryogenically treated HSS drills. Journal of Intelligent Manufacturing, 2015, 26, 295-305.	7.3	95
5	Investigation of the influence of MWCNTs mixed nanofluid on the machinability characteristics of PH 13-8 Mo stainless steel. Tribology International, 2020, 148, 106323.	5.9	88
6	Determination of MQL Parameters Contributing to Sustainable Machining in the Milling of Nickel-Base Superalloy Waspaloy. Arabian Journal for Science and Engineering, 2017, 42, 4667-4681.	3.0	78
7	Tool wear and surface roughness analysis in milling with ceramic tools of Waspaloy: a comparison of machining performance with different cooling methods. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	66
8	Performance evaluation of MQL with AL2O3 mixed nanofluids prepared at different concentrations in milling of Hastelloy C276 alloy. Journal of Materials Research and Technology, 2020, 9, 10386-10400.	5.8	65
9	Effects of Deep Cryogenic Treatment on the Wear Resistance and Mechanical Properties of AISI H13 Hot-Work Tool Steel. Journal of Materials Engineering and Performance, 2015, 24, 4431-4439.	2.5	61
10	Study on turning performance of PVD TiN coated Al2O3+TiCN ceramic tool under cutting fluid reinforced by nano-sized solid particles. Journal of Manufacturing Processes, 2020, 56, 522-539.	5.9	57
11	Influence of MoS2 based nanofluid-MQL on tribological and machining characteristics in turning of AA 2024 T3 aluminum alloy. Journal of Materials Research and Technology, 2021, 15, 1688-1704.	5.8	55
12	Effects of mono/hybrid nanofluid strategies and surfactants on machining performance in the drilling of Hastelloy X. Tribology International, 2021, 157, 106894.	5.9	50
13	Influence of Different Cooling Methods on Tool Life, Wear Mechanisms and Surface Roughness in the Milling of Nickel-Based Waspaloy with WC Tools. Arabian Journal for Science and Engineering, 2019, 44, 7979-7995.	3.0	32
14	A comparative study on the tribological behavior of mono&proportional hybrid nanofluids for sustainable turning of AISI 420 hardened steel with cermet tools. Journal of Manufacturing Processes, 2022, 73, 695-714.	5.9	20