

Andre Dl Batako

List of Publications by Year in descending order

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36
papers

1,113
citations

516710

16
h-index

434195

31
g-index

39
all docs

39
docs citations

39
times ranked

646
citing authors

#	ARTICLE	IF	CITATIONS
1	A study of plane surface grinding under minimum quantity lubrication (MQL) conditions. International Journal of Machine Tools and Manufacture, 2010, 50, 977-985.	13.4	156
2	Optimisation of fluid application in grinding. CIRP Annals - Manufacturing Technology, 2008, 57, 363-366.	3.6	124
3	Temperature measurement in high efficiency deep grinding. International Journal of Machine Tools and Manufacture, 2005, 45, 1231-1245.	13.4	100
4	Experimental and theoretical analysis of friction stir welding of Al-Cu joints. International Journal of Advanced Manufacturing Technology, 2014, 71, 1631-1642.	3.0	96
5	Nano-scale multilayered-composite coatings for the cutting tools. International Journal of Advanced Manufacturing Technology, 2014, 72, 303-317.	3.0	89
6	Working efficiency of cutting tools with multilayer nano-structured Ti-TiCN-(Ti,Al)CN and Ti-TiCN-(Ti,Al,Cr)CN coatings: Analysis of cutting properties, wear mechanism and diffusion processes. Surface and Coatings Technology, 2017, 332, 198-213.	4.8	65
7	Effect of adhesion and tribological properties of modified composite nano-structured multi-layer nitride coatings on WC-Co tools life. Tribology International, 2018, 128, 313-327.	5.9	64
8	Nano-scale multi-layered coatings for improved efficiency of ceramic cutting tools. International Journal of Advanced Manufacturing Technology, 2017, 90, 27-43.	3.0	61
9	Application of Minimum Quantity Lubrication in Grinding. Materials and Manufacturing Processes, 2012, 27, 406-411.	4.7	48
10	Temperatures in fine grinding with minimum quantity lubrication (MQL). International Journal of Advanced Manufacturing Technology, 2012, 60, 951-958.	3.0	46
11	A SELF-EXCITED SYSTEM FOR PERCUSSIVE-ROTARY DRILLING. Journal of Sound and Vibration, 2003, 259, 97-118.	3.9	42
12	Modelling of vibro-impact penetration of self-exciting percussive-rotary drill bit. Journal of Sound and Vibration, 2004, 271, 209-225.	3.9	36
13	Study on the surface formation mechanism in scratching test with different ultrasonic vibration forms. Journal of Materials Processing Technology, 2021, 294, 117108.	6.3	22
14	Influence of thermal loads on the stress-strain state of aluminum-oxide ceramic cutting plates. Russian Engineering Research, 2012, 32, 473-477.	0.6	19
15	An experimental investigation into resonance dry grinding of hardened steel and nickel alloys with element of MQL. International Journal of Advanced Manufacturing Technology, 2015, 77, 27-41.	3.0	19
16	Cutting force and specific energy for rotary ultrasonic drilling based on kinematics analysis of vibration effectiveness. Chinese Journal of Aeronautics, 2022, 35, 376-387.	5.3	18
17	Influence of loads on the stress-strain state of aluminum-oxide ceramic cutting plates. Russian Engineering Research, 2012, 32, 61-67.	0.6	17
18	High efficiency deep grinding with very high removal rates. International Journal of Advanced Manufacturing Technology, 2013, 66, 1367-1377.	3.0	16

#	ARTICLE	IF	CITATIONS
19	Effect produced by thickness of nanolayers of multilayer composite wear-resistant coating on tool life of metal-cutting tool in turning of steel AISI 321. <i>Procedia CIRP</i> , 2018, 77, 549-552.	1.9	11
20	Selective laser melting of AlSi10Mg alloy: microstructural studies and mechanical properties assessment. <i>Journal of Materials Research and Technology</i> , 2022, 17, 2249-2258.	5.8	11
21	Influence of ceramic properties on the stress-strain state of a plate in steady heat conduction. <i>Russian Engineering Research</i> , 2012, 32, 374-379.	0.6	9
22	Numerical bifurcation analysis of a friction-driven vibro-impact system. <i>Journal of Sound and Vibration</i> , 2007, 308, 392-404.	3.9	8
23	Workpiece roundness profile in the frequency domain: an application in cylindrical plunge grinding. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 72, 277-288.	3.0	7
24	Increased Operating Properties of Cutting Ceramics by Application of Nanostructured Multilayer Wear-Resistant Coating. <i>Journal of Nano Research</i> , 0, 50, 90-104.	0.8	4
25	Development and Investigation into Properties of composite Particleboard of Iroko and African Locust Bean Pod. <i>Procedia Manufacturing</i> , 2019, 30, 188-193.	1.9	4
26	Process Performance of Low Frequency Vibratory Grinding of Inconel 718. <i>Procedia Manufacturing</i> , 2019, 30, 530-535.	1.9	4
27	An Investigation into Friction Stir Welding of Aluminium Alloy 5083-H116 Similar Joints. <i>Materials Today: Proceedings</i> , 2020, 22, 2140-2152.	1.8	4
28	High-efficiency Machining of Materials Used in Heavy Power Engineering. <i>Procedia CIRP</i> , 2016, 46, 356-359.	1.9	3
29	System of High-performance Cutting with Enhanced Combined Effect of Cooling and Lubrication Medium Based on Ranque-hilsch Effect. <i>Procedia CIRP</i> , 2016, 57, 457-460.	1.9	2
30	Development of modifying compounds for multilayer nanostructured coatings for cutting tools. <i>International Journal of Nanotechnology</i> , 2017, 14, 574.	0.2	2
31	Application of carbide cutting tools with nano-structured multilayer composite coatings for turning austenitic steels, type 16Cr-10Ni. <i>Mechanics and Industry</i> , 2017, 18, 707.	1.3	2
32	A numerical simulation of the influence of torque on the performance of composite gears. <i>Materials Today: Proceedings</i> , 2021, 46, 7561-7569.	1.8	1
33	Fibre Laser Cleaning of Grinding Wheels. <i>Key Engineering Materials</i> , 0, 496, 55-60.	0.4	0
34	Influence of Carbide Substrate Properties on Wear Resistance of Tool with Multilayer Coating in Machining of Chromium-Based Heat-Resistant Alloy. <i>Materials Science Forum</i> , 0, 876, 59-68.	0.3	0
35	Modeling of the singularly perturbed process of convection-diffusion heat and mass transfer in multilayer media. <i>Materials Today: Proceedings</i> , 2021, 46, 7244-7250.	1.8	0
36	Research and automation of the process of electrocoagulation wastewater treatment on the basis of the developed mathematical model. <i>Modeling Control and Information Technologies</i> , 2020, , 59-62.	0.0	0