

Andre Dl Batako

List of Publications by Year in descending order

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36
papers

1,113
citations

516710

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434195

31
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39
all docs

39
docs citations

39
times ranked

646
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Selective laser melting of Al-Si-Mg alloy: microstructural studies and mechanical properties assessment. Journal of Materials Research and Technology, 2022, 17, 2249-2258.	5.8	11
3	A numerical simulation of the influence of torque on the performance of composite gears. Materials Today: Proceedings, 2021, 46, 7561-7569.	1.8	1
4	Modeling of the singularly perturbed process of convection-diffusion heat and mass transfer in multilayer media. Materials Today: Proceedings, 2021, 46, 7244-7250.	1.8	0
5	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
6	An Investigation into Friction Stir Welding of Aluminium Alloy 5083-H116 Similar Joints. Materials Today: Proceedings, 2020, 22, 2140-2152.	1.8	4
7	Research and automation of the process of electrocoagulation wastewater treatment on the basis of the developed mathematical model. Modeling Control and Information Technologies, 2020, , 59-62.	0.0	0
8	Development and Investigation into Properties of composite Particleboard of Iroko and African Locust Bean Pod. Procedia Manufacturing, 2019, 30, 188-193.	1.9	4
9	Process Performance of Low Frequency Vibratory Grinding of Inconel 718. Procedia Manufacturing, 2019, 30, 530-535.	1.9	4
10	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. Procedia CIRP, 2018, 77, 549-552.	1.9	11
11	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
12	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
13	Development of modifying compounds for multilayer nanostructured coatings for cutting tools. International Journal of Nanotechnology, 2017, 14, 574.	0.2	2
14	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
15	Application of carbide cutting tools with nano-structured multilayer composite coatings for turning austenitic steels, type 16Cr-10Ni. Mechanics and Industry, 2017, 18, 707.	1.3	2
16	System of High-performance Cutting with Enhanced Combined Effect of Cooling and Lubrication Medium Based on Ranque-hilsch Effect. Procedia CIRP, 2016, 57, 457-460.	1.9	2
17	High-efficiency Machining of Materials Used in Heavy Power Engineering. Procedia CIRP, 2016, 46, 356-359.	1.9	3
18	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

#	ARTICLE	IF	CITATIONS
19	Nano-scale multilayered-composite coatings for the cutting tools. International Journal of Advanced Manufacturing Technology, 2014, 72, 303-317.	3.0	89
20	Workpiece roundness profile in the frequency domain: an application in cylindrical plunge grinding. International Journal of Advanced Manufacturing Technology, 2014, 72, 277-288.	3.0	7
21	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
22	High efficiency deep grinding with very high removal rates. International Journal of Advanced Manufacturing Technology, 2013, 66, 1367-1377.	3.0	16
23	Application of Minimum Quantity Lubrication in Grinding. Materials and Manufacturing Processes, 2012, 27, 406-411.	4.7	48
24	Temperatures in fine grinding with minimum quantity lubrication (MQL). International Journal of Advanced Manufacturing Technology, 2012, 60, 951-958.	3.0	46
25	Influence of loads on the stress-strain state of aluminum-oxide ceramic cutting plates. Russian Engineering Research, 2012, 32, 61-67.	0.6	17
26	Influence of ceramic properties on the stress-strain state of a plate in steady heat conduction. Russian Engineering Research, 2012, 32, 374-379.	0.6	9
27	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
28	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
29	Optimisation of fluid application in grinding. CIRP Annals - Manufacturing Technology, 2008, 57, 363-366.	3.6	124
30	Numerical bifurcation analysis of a friction-driven vibro-impact system. Journal of Sound and Vibration, 2007, 308, 392-404.	3.9	8
31	Temperature measurement in high efficiency deep grinding. International Journal of Machine Tools and Manufacture, 2005, 45, 1231-1245.	13.4	100
32	Modelling of vibro-impact penetration of self-exciting percussive-rotary drill bit. Journal of Sound and Vibration, 2004, 271, 209-225.	3.9	36
33	A SELF-EXCITED SYSTEM FOR PERCUSSIVE-ROTARY DRILLING. Journal of Sound and Vibration, 2003, 259, 97-118.	3.9	42
34	Fibre Laser Cleaning of Grinding Wheels. Key Engineering Materials, 0, 496, 55-60.	0.4	0
35	Influence of Carbide Substrate Properties on Wear Resistance of Tool with Multilayer Coating in Machining of Chromium-Based Heat-Resistant Alloy. Materials Science Forum, 0, 876, 59-68.	0.3	0
36	Increased Operating Properties of Cutting Ceramics by Application of Nanostructured Multilayer Wear-Resistant Coating. Journal of Nano Research, 0, 50, 90-104.	0.8	4