

Alexey Popov

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

108
citations

1478505

6
h-index

1372567

10
g-index

12
all docs

12
docs citations

12
times ranked

71
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparison of experimental estimation methods of the ploughing force in orthogonal cutting. International Journal of Machine Tools and Manufacture, 2013, 65, 37-40.	13.4	26
2	Effect of uncut chip thickness on the ploughing force in orthogonal cutting. International Journal of Advanced Manufacturing Technology, 2015, 76, 1937-1945.	3.0	22
3	Increasing the accuracy of the effect of processing materials and cutting tool wear on the ploughing force values. Manufacturing Technology, 2013, 13, 169-173.	1.4	18
4	Method for Determining of the Anti-adhesion Ability of Cutting Fluids. Manufacturing Technology, 2014, 14, 145-149.	1.4	11
5	Method for Determining the Tribological Properties of the Cutting Fluid. Manufacturing Technology, 2014, 14, 149-153.	1.4	10
6	Study of reasons of increased active force using coolant with uncut chip thickness. International Journal of Advanced Manufacturing Technology, 2014, 70, 1555-1562.	3.0	7
7	Detection and identification of engineered nanoparticles in exhaled breath condensate, blood serum, and urine of occupationally exposed subjects. Monatshefte für Chemie, 2019, 150, 511-523.	1.8	6
8	The Effect of the Tool Wear on the Correlation of Forces on the Face and Flank Surfaces of the Cutting Tool. Manufacturing Technology, 2017, 17, 283-287.	1.4	5
9	Quantitative assessment of the causes of the strengthening of a machined surface after cutting. International Journal of Surface Science and Engineering, 2020, 14, 207.	0.4	1
10	The problem of determining the ploughing forces. International Journal of Machining and Machinability of Materials, 2021, 23, 47.	0.1	0
11	A new method for defining the ploughing forces in processing of brittle materials with the formation of discontinuous chips. International Journal of Machining and Machinability of Materials, 2021, 23, 454.	0.1	0