

Andrey Popov

List of Publications by Year in descending order

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27
papers

124
citations

1937685

4
h-index

1281871

11
g-index

27
all docs

27
docs citations

27
times ranked

82
citing authors

#	ARTICLE	IF	CITATIONS
1	Nano-scale Multilayered Composite Coatings for Cutting Tools Operating under Heavy Cutting Conditions. Procedia CIRP, 2014, 14, 239-244.	1.9	70
2	Diamond grinding of hard-alloy plates. Russian Engineering Research, 2012, 32, 730-732.	0.6	15
3	Renovation of hard-alloy end mills on numerically controlled grinding machines. Russian Engineering Research, 2014, 34, 466-468.	0.6	9
4	Improvement of Working Capacity of Carbide Tools for Machining Rail Wheel Pairs. Key Engineering Materials, 2013, 581, 9-13.	0.4	4
5	High-speed grinding of ZhS6-K high-temperature nickel alloy. Russian Engineering Research, 2012, 32, 511-512.	0.6	3
6	Manufacture and design of special hard-alloy mills. Russian Engineering Research, 2014, 34, 522-523.	0.6	3
7	Development of a Cutting Tool for High-performance Cutting of Railway Rolling Components. Procedia CIRP, 2016, 46, 360-363.	1.9	3
8	Formation of wear-resistant structures on solid alloy for superfinish processing. AIP Conference Proceedings, 2016, , .	0.4	3
9	Axial tool for the machining of composites. Russian Engineering Research, 2015, 35, 771-772.	0.6	2
10	Research of thread rolling on difficult-to-cut material workpieces. Journal of Physics: Conference Series, 2018, 944, 012091.	0.4	2
11	Developing a Machining Strategy for Hard-Alloy Polyhedral Inserts on CNC Grinding and Sharpening Machines. Russian Engineering Research, 2018, 38, 642-644.	0.6	2
12	Ultra-high-speed sharpening and hardening the coating of carbide metal-cutting tools for finishing aircraft parts made of titanium alloys. Journal of Physics: Conference Series, 2019, 1260, 062020.	0.4	2
13	Selecting the cutting geometry of reground hard-alloy plates for roughing. Russian Engineering Research, 2014, 34, 585-588.	0.6	1
14	Restoration of an axial hard-alloy tool by deep diamond grinding. Russian Engineering Research, 2015, 35, 780-782.	0.6	1
15	New machining technology for aviation components. Russian Engineering Research, 2015, 35, 718-720.	0.6	1
16	Development of 3D modeling technology for manufacturing finned ribbons from heat-resistant steels. Journal of Physics: Conference Series, 2017, 858, 012017.	0.4	1
17	Ultrafast Sharpening of a Hard-Alloy Tool. Russian Engineering Research, 2018, 38, 794-797.	0.6	1
18	Enhancement of the Wear Resistance of Tungsten Cobalt Carbide Plates Using Ion Implantation and Al ⁺ Si ⁺ N Coatings. Springer Proceedings in Physics, 2020, , 279-286.	0.2	1

#	ARTICLE	IF	CITATIONS
19	Rapid sharpening of a hard-alloy tool. Russian Engineering Research, 2008, 28, 926-927.	0.6	0
20	Optimization of automated parameter measurements for airplane components. Russian Engineering Research, 2013, 33, 225-226.	0.6	0
21	Increase of profile grinding accuracy of high-precision nonrigid broaches on machines with CNC. , 2014, , .		0
22	Analysis of methods of flattening of diamond wheels for processing of high-precision hard-alloy products. , 2014, , .		0
23	Influence of synthetic lubricant fluids on the frictional coefficient. Russian Engineering Research, 2014, 34, 266-267.	0.6	0
24	Hard-alloy metal-cutting tool for the finishing of hard materials. Russian Engineering Research, 2017, 37, 148-149.	0.6	0
25	Research on the high quality replacement carbide plates operability with Al-Si-N hardening coating. Journal of Physics: Conference Series, 2018, 1050, 012067.	0.4	0
26	Simulation of the process of creep-feed diamond grinding of hardmetals. Journal of Physics: Conference Series, 2019, 1260, 062025.	0.4	0
27	Thermomechanical method of increasing the mechanical properties of cermets. Journal of Physics: Conference Series, 2020, 1441, 012125.	0.4	0