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	Thermomechanical method of increasing the mechanical properties of cermets. Journal of Physics: Conference Series, 2020, 1441, 012125.	0.4	0
2	Enhancement of the Wear Resistance of Tungsten Cobalt Carbide Plates Using Ion Implantation and Alâ€“Siâ€“N Coatings. Springer Proceedings in Physics, 2020, , 279-286.	0.2	1
3	Simulation of the process of creep-feed diamond grinding of hardmetals. Journal of Physics: Conference Series, 2019, 1260, 062025.	0.4	0
4	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
5	Ultrafast Sharpening of a Hard-Alloy Tool. Russian Engineering Research, 2018, 38, 794-797.	0.6	1
6	Research of thread rolling on difficult-to-cut material workpieces. Journal of Physics: Conference Series, 2018, 944, 012091.	0.4	2
7	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
8	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
9	Development of 3D modeling technology for manufacturing finned ribbons from heat-resistant steels. Journal of Physics: Conference Series, 2017, 858, 012017.	0.4	1
10	Hard-alloy metal-cutting tool for the finishing of hard materials. Russian Engineering Research, 2017, 37, 148-149.	0.6	0
11	Development of a Cutting Tool for High-performance Cutting of Railway Rolling Components. Procedia CIRP, 2016, 46, 360-363.	1.9	3
12	Formation of wear-resistant structures on solid alloy for superfinish processing. AIP Conference Proceedings, 2016, , .	0.4	3
13	Restoration of an axial hard-alloy tool by deep diamond grinding. Russian Engineering Research, 2015, 35, 780-782.	0.6	1
14	New machining technology for aviation components. Russian Engineering Research, 2015, 35, 718-720.	0.6	1
15	Axial tool for the machining of composites. Russian Engineering Research, 2015, 35, 771-772.	0.6	2
16	Selecting the cutting geometry of reground hard-alloy plates for roughing. Russian Engineering Research, 2014, 34, 585-588.	0.6	1
17	Increase of profile grinding accuracy of high-precision nonrigid broaches on machines with CNC. , 2014, , .		0
18	Analysis of methods of flattening of diamond wheels for processing of high-precision hard-alloy products. , 2014, , .		0

#	Article	IF	Citations
19	Renovation of hard-alloy end mills on numerically controlled grinding machines. Russian Engineering Research, 2014, 34, 466-468.	0.6	9
20	Manufacture and design of special hard-alloy mills. Russian Engineering Research, 2014, 34, 522-523.	0.6	3
21	Influence of synthetic lubricant fluids on the frictional coefficient. Russian Engineering Research, 2014, 34, 266-267.	0.6	0
22	Nano-scale Multilayered Composite Coatings for Cutting Tools Operating under Heavy Cutting Conditions. Procedia CIRP, 2014, 14, 239-244.	1.9	70
23	Optimization of automated parameter measurements for airplane components. Russian Engineering Research, 2013, 33, 225-226.	0.6	0
24	Improvement of Working Capacity of Carbide Tools for Machining Rail Wheel Pairs. Key Engineering Materials, 2013, 581, 9-13.	0.4	4
25	Diamond grinding of hard-alloy plates. Russian Engineering Research, 2012, 32, 730-732.	0.6	15
26	High-speed grinding of ZhS6-K high-temperature nickel alloy. Russian Engineering Research, 2012, 32, 511-512.	0.6	3
27	Rapid sharpening of a hard-alloy tool. Russian Engineering Research, 2008, 28, 926-927.	0.6	0