Peirong Zhang

List of Publications by Year
in descending order

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23	345	1040056	839539
papers	citations	9	18
		h-index	g-index

23	23	23	325
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Finite element investigation of cutting performance of Cr/W-DLC/DLC composite coated cutting tool. International Journal of Advanced Manufacturing Technology, 2022, 118, 2177-2192.	3.0	7
2	On the milling strategy in machining curved surfaces based on minimum stress concentration by a 3-axis machining center. International Journal of Advanced Manufacturing Technology, 2022, 119, 7475-7486.	3.0	1
3	Preparation and toughening mechanism of Mo₂NiB₂â€based cermets with SiC whiskers. International Journal of Applied Ceramic Technology, 2022, 19, 1354-1366.	2.1	3
4	An improved numerical integration method for prediction of milling stability using the Lagrange-Simpson interpolation scheme. International Journal of Advanced Manufacturing Technology, 2022, 120, 8105-8115.	3.0	5
5	A theoretical model to study the cutting force characteristics in remanufacturing turning of laser cladded coatings. International Journal of Advanced Manufacturing Technology, 2021, 113, 757-769.	3.0	1
6	Modeling and prediction of cutting temperature in the machining of H13 hard steel of multi-layer coated cutting tools. International Journal of Advanced Manufacturing Technology, 2021, 115, 3731-3739.	3.0	8
7	Wear Characteristics of Cutting Tool in Brittle Removal of a Ductile Meta in High-Speed Machining. Symmetry, 2021, 13, 1679.	2.2	1
8	Tool path selection for high-speed ball-end milling process of hardened AISI D2 steel based on fatigue resistance. International Journal of Advanced Manufacturing Technology, 2020, 110, 2239-2247.	3.0	2
9	A modified analytical cutting force prediction model under the tool crater wear effect in end milling Ti6Al4V with solid carbide tool. International Journal of Advanced Manufacturing Technology, 2020, 108, 3475-3490.	3.0	4
10	Effect of turning-induced initial roughness level on surface roughness and residual stress improvements in subsequent burnishing. Archives of Civil and Mechanical Engineering, 2020, 20, 1.	3.8	8
11	On machinability and surface integrity in subsequent machining of additively-manufactured thick coatings: A review. Journal of Manufacturing Processes, 2020, 53, 123-143.	5.9	30
12	Correlation between the microstructure and machinability in machining Alâ€“(5â€“25)â€‰wt% Si alloys. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2020, 234, 1173-1184.	2.4	8
13	Mechanical and cutting performance of cemented carbide tools with Cr/x/DLC composite coatings. International Journal of Advanced Manufacturing Technology, 2020, 106, 5241-5254.	3.0	24
14	Sustainable manufacturing: re-contouring of laser cladding restored parts by machining method with cutting energy management. Archives of Civil and Mechanical Engineering, 2020, 20, 1.	3.8	5
15	On cutting temperatures in high and ultrahigh-speed machining. International Journal of Advanced Manufacturing Technology, 2020, 107, 73-83.	3.0	22
16	A study on corrosion behaviors of laser cladded Feâ^'Crâ^'Ni coating in asâ€cladded and machined conditions. Materials and Corrosion - Werkstoffe Und Korrosion, 2019, 70, 711-719.	1.5	11
17	Enhancing surface integrity and corrosion resistance of laser cladded Crâ€“Ni alloys by hard turning and low plasticity burnishing. Applied Surface Science, 2017, 409, 169-178.	6.1	56
18	Effect of Glucose Concentration on Electrochemical Corrosion Behavior of Pure Titanium TA2 in Hanksâ€™ Simulated Body Fluid. Materials, 2016, 9, 874.	2.9	10

#	Article	IF	Citations
19	Physical-mechanical and electrochemical corrosion behaviors of additively manufactured Cr-Ni-based stainless steel formed by laser cladding. Materials and Design, 2016, 100, 254-262.	7.0	49
20	Modeling and prediction for 3D surface topography in finish turning with conventional and wiper inserts. Measurement: Journal of the International Measurement Confederation, 2016, 94, 37-45.	5.0	28
21	Machinability investigations on turning of Cr-Ni-based stainless steel cladding formed by laser cladding process. International Journal of Advanced Manufacturing Technology, 2016, 82, 1707-1714.	3.0	17
22	Effect of sequential turning and burnishing on the surface integrity of Crâ€“Ni-based stainless steel formed by laser cladding process. Surface and Coatings Technology, 2015, 276, 327-335.	4.8	45
23	Improving the surface integrity of laser cladded layer by ultrasonic-assisted burnishing at medium temperature with considering initial surface conditions. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 0, , 095440542211017.	2.4	0