

Wengang Fan

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

127
citations

1478505

6
h-index

1281871

11
g-index

13
all docs

13
docs citations

13
times ranked

42
citing authors

#	ARTICLE	IF	CITATIONS
1	Belt grinding mechanism-based method for roughness profile prediction of the rail surface. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2022, 44, 1.	1.6	4
2	The Dislocation- and Cracking-Mediated Deformation of Single Asperity GaAs during Plowing Using Molecular Dynamics Simulation. Micromachines, 2022, 13, 502.	2.9	4
3	Microscopic contact pressure and material removal modeling in rail grinding using abrasive belt. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2021, 235, 3-12.	2.4	22
4	Influence of GaAs crystal anisotropy on deformation behavior and residual stress distribution of nanoscratching. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	5
5	Experimental and simulation research on residual stress for abrasive belt rail grinding. International Journal of Advanced Manufacturing Technology, 2020, 109, 129-142.	3.0	22
6	Dynamic contact modeling considering local material deformation by grit indentation for abrasive belt rail grinding. International Journal of Advanced Manufacturing Technology, 2020, 108, 2165-2176.	3.0	7
7	Dynamic Analysis of a Novel Rail-Grinding Car Using Open-Structured Abrasive Belt for High-Speed Railways. Mathematical Problems in Engineering, 2019, 2019, 1-9.	1.1	5
8	A numerical model to investigate contact status for rail grinding by abrasive belt with an axial deflection. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	6
9	Investigation into static contact behavior in belt rail grinding using a concave contact wheel. International Journal of Advanced Manufacturing Technology, 2019, 101, 2825-2835.	3.0	14
10	Influencing Mechanism of Rubber Wheel on Contact Pressure and Metal Removal in Corrugated Rail Grinding by Abrasive Belt. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2018, 140, .	2.2	17
11	Characteristic quantitative evaluation and stochastic modeling of surface topography for zirconia alumina abrasive belt. International Journal of Advanced Manufacturing Technology, 2017, 89, 3059-3069.	3.0	21
12	Research of Occupational Stress and Its Influencing Factors on Metro Drivers. , 2009, , .		0