

# Guochao Li

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/917471/publications.pdf>

Version: 2024-02-01

20  
papers

259  
citations

1040056

9  
h-index

940533

16  
g-index

23  
all docs

23  
docs citations

23  
times ranked

126  
citing authors

#	ARTICLE	IF	CITATIONS
1	Big data-oriented wheel position and geometry calculation for cutting tool groove manufacturing based on AI algorithms. International Journal of Advanced Manufacturing Technology, 2022, 119, 6717-6728.	3.0	7
2	Evolution analysis of process-induced residual stress during the manufacture of diesel engine block. International Journal of Advanced Manufacturing Technology, 2022, 120, 2655-2669.	3.0	4
3	Research on the dynamic evolution of residual stress in thermal processing of diesel engine blocks based on FEM. Journal of Mechanical Science and Technology, 2021, 35, 2419-2430.	1.5	6
4	A general method for instantaneous undeformed chip thickness calculation in five-axis milling based on Boolean operations. International Journal of Advanced Manufacturing Technology, 2021, 116, 2325-2334.	3.0	2
5	Machining Stress Analysis and Deformation Prediction of Connecting Rod Based on FEM and GRNN. Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 2020, 44, 183-192.	1.3	6
6	Big Data Oriented Smart Tool Condition Monitoring System. IEEE Transactions on Industrial Informatics, 2020, 16, 4007-4016.	11.3	48
7	Influence of Induction Hardening Process on Camshafts's Residual Stresses. Arabian Journal for Science and Engineering, 2020, 45, 9651-9659.	3.0	3
8	Micro-milling force modeling with tool wear and runout effect by spatial analytic geometry. International Journal of Advanced Manufacturing Technology, 2020, 107, 631-643.	3.0	20
9	An approach to calculate grinding wheel path for complex end mill groove grinding based on an optimization algorithm. Journal of Manufacturing Processes, 2020, 53, 99-109.	5.9	15
10	The Influence of Tool Rake Surface Geometry on the Hard Turning Process of AISI52100 Hardened Steel. Materials, 2019, 12, 3096.	2.9	6
11	Experimental study of residual stresses of Cam produced by heat treatment and grinding processes. International Journal of Advanced Manufacturing Technology, 2019, 100, 1355-1362.	3.0	10
12	Modeling and analysis of variable-core groove for integral cutting tools. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2018, 232, 471-479.	2.5	1
13	Influence of cutting and clamping forces on machining distortion of diesel engine connecting rod. International Journal of Advanced Manufacturing Technology, 2018, 99, 897-910.	3.0	9
14	Modeling of integral cutting tool grooves using envelope theory and numerical methods. International Journal of Advanced Manufacturing Technology, 2018, 98, 579-591.	3.0	10
15	An intelligent wheel position searching algorithm for cutting tool grooves with diverse machining precision requirements. International Journal of Machine Tools and Manufacture, 2017, 122, 149-160.	13.4	29
16	A new algorithm to solve the grinding wheel profile for end mill groove machining. International Journal of Advanced Manufacturing Technology, 2017, 90, 775-784.	3.0	30
17	Modelling methods for end mill grooves based on different wheel geometries. Advances in Materials and Processing Technologies, 2015, 1, 474-483.	1.4	0
18	Process modeling of end mill groove machining based on Boolean method. International Journal of Advanced Manufacturing Technology, 2014, 75, 959-966.	3.0	19

#	ARTICLE	IF	CITATIONS
19	Modeling and analysis for clearance machining process of end mills. International Journal of Advanced Manufacturing Technology, 2014, 75, 667-675.	3.0	2
20	Modeling and analysis of helical groove grinding in end mill machining. Journal of Materials Processing Technology, 2014, 214, 3067-3076.	6.3	32