

Boyu Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/15497/publications.pdf>

Version: 2024-02-01

25
papers

533
citations

933447

10
h-index

839539

18
g-index

25
all docs

25
docs citations

25
times ranked

396
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel drill structure for damage reduction in drilling CFRP composites. International Journal of Machine Tools and Manufacture, 2016, 110, 55-65.	13.4	178
2	Drill-exit temperature characteristics in drilling of UD and MD CFRP composites based on infrared thermography. International Journal of Machine Tools and Manufacture, 2018, 135, 24-37.	13.4	106
3	A hybrid model using supporting vector machine and multi-objective genetic algorithm for processing parameters optimization in micro-EDM. International Journal of Advanced Manufacturing Technology, 2010, 51, 575-586.	3.0	55
4	Temperature effects in end milling carbon fiber reinforced polymer composites. Polymer Composites, 2018, 39, 437-447.	4.6	46
5	Effects of cooling position on tool wear reduction of secondary cutting edge corner of one-shot drill bit in drilling CFRP. International Journal of Advanced Manufacturing Technology, 2018, 94, 4277-4287.	3.0	37
6	Effect of drill flute direction on delamination at the exit in drilling Carbon Fiber Reinforced Plastic. Polymer Composites, 2019, 40, E1434.	4.6	14
7	A Knowledge-Driven Approach for 3D High Temporal-Spatial Measurement of an Arbitrary Contouring Error of CNC Machine Tools Using Monocular Vision. Sensors, 2019, 19, 744.	3.8	13
8	Analysis of Burr and Tear in Milling of Carbon Fiber Reinforced Plastic (CFRP) Using Finite Element Method. Applied Composite Materials, 2021, 28, 991-1018.	2.5	13
9	A numerical approach to analyze the burrs generated in the drilling of carbon fiber reinforced polymers (CFRPs). International Journal of Advanced Manufacturing Technology, 2020, 106, 3533-3546.	3.0	12
10	Optimized selection of process parameters based on reasonable control of axial force and hole-exit temperature in drilling of CFRP. International Journal of Advanced Manufacturing Technology, 2020, 110, 797-812.	3.0	11
11	Modeling of dynamic milling forces considering the interlaminar effect during milling multidirectional CFRP laminate. Journal of Reinforced Plastics and Composites, 2021, 40, 437-449.	3.1	11
12	A method for measuring the thermal geometric parameters of large hot rectangular forgings based on projection feature lines. Machine Vision and Applications, 2018, 29, 467-476.	2.7	10
13	Influence of process parameters on material removal during surface milling of curved carbon fiber-reinforced plastic (CFRP) components: evaluated by a novel residual height calculation method. International Journal of Advanced Manufacturing Technology, 2021, 116, 3405-3415.	3.0	7
14	A New Method for Discharge State Prediction of Micro-EDM Using Empirical Mode Decomposition. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2010, 132, .	2.2	5
15	A progressive mapping method for classifying the discharging states in micro-electrical discharge machining. International Journal of Advanced Manufacturing Technology, 2011, 56, 197-204.	3.0	5
16	A Novel Vision-Based Pose Measurement Method Considering the Refraction of Light. Sensors, 2018, 18, 4348.	3.8	3
17	Study on the design method of giant magnetostrictive force sensor. , 2011, , .		2
18	Improved calibration method of binocular vision measurement system for large hot forging. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
19	Geometrical nonlinear deformation model and its experimental study on bimorph giant magnetostrictive thin film. <i>Frontiers of Mechanical Engineering in China</i> , 2008, 3, 313-317.	0.4	1
20	Solving complete job shop scheduling problem using genetic algorithm. , 2008, , .		1
21	Study of Giant Magnetostrictive Thin Films With Gas Sensitive Layer for Use as Gas Concentration Sensors. <i>IEEE Sensors Journal</i> , 2012, 12, 1703-1708.	4.7	1
22	Simulation study of multi-agent-based network manufacturing ASP system. , 2008, , .		0
23	Hardware circuit design of copying manufacturing oriented complete software type CNC system. , 2010, , .		0
24	Design and realization of complete software type copying manufacturing CNC system. , 2010, , .		0
25	Study on characteristics of CU substrate giant magnetostrictive thin film based in the direction of hard magnetization axis. , 2012, , .		0