

Jie Chen

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7657714/jie-chen-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21
papers

257
citations

10
h-index

15
g-index

21
ext. papers

461
ext. citations

4.5
avg, IF

4.44
L-index

#	Paper	IF	Citations
21	Machining of SiC ceramic matrix composites: A review. <i>Chinese Journal of Aeronautics</i> , 2021 , 34, 540-567	3.7	42
20	Experimental investigation on tool wear characteristics of PVD and CVD coatings during face milling of Ti 6242S and Ti-555 titanium alloys. <i>International Journal of Refractory Metals and Hard Materials</i> , 2020 , 86, 105091	4.1	33
19	Dynamic mechanical properties and machinability characteristics of selective laser melted and forged Ti6Al4V. <i>Journal of Materials Processing Technology</i> , 2019 , 271, 284-292	5.3	32
18	Thermal characteristics of unidirectional carbon fiber reinforced polymer laminates during orthogonal cutting. <i>Journal of Reinforced Plastics and Composites</i> , 2018 , 37, 905-916	2.9	22
17	Hole exit quality and machined surface integrity of 2D Cf/SiC composites drilled by PCD tools. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 4000-4010	6	19
16	Mechanism and feasibility of ultrasonic-assisted milling to improve the machined surface quality of 2D Cf/SiC composites. <i>Ceramics International</i> , 2020 , 46, 15122-15136	5.1	17
15	Transformation of fracture mechanism and damage behavior of ceramic-matrix composites during nano-scratching. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 130, 105756	8.4	17
14	Influences of clearance angle and point angle on drilling performance of 2D Cf/SiC composites using polycrystalline diamond tools. <i>Ceramics International</i> , 2020 , 46, 4371-4380	5.1	13
13	Tribological properties and tool wear in milling of in-situ TiB ₂ /7075 Al composite under various cryogenic MQL conditions. <i>Tribology International</i> , 2021 , 160, 107021	4.9	11
12	Experimental and FEM study of cutting mechanism and damage behavior of ceramic particles in orthogonal cutting SiCp/Al composites. <i>Ceramics International</i> , 2021 , 47, 7183-7194	5.1	10
11	Preparation and analysis of micro-holes in C/SiC composites and ablation with a continuous wave laser. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 176-184	6	8
10	Investigation on machined surface quality in ultrasonic-assisted grinding of Cf/SiC composites based on fracture mechanism of carbon fibers. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 109, 1583-1599	3.2	7
9	Effects of in-situ TiB ₂ particles on machinability and surface integrity in milling of TiB ₂ /2024 and TiB ₂ /7075 Al composites. <i>Chinese Journal of Aeronautics</i> , 2021 , 34, 110-124	3.7	7
8	Experimental study on chip formation and surface quality in milling of TiB ₂ /Al alloy composites. <i>Materials and Manufacturing Processes</i> , 2020 , 35, 1671-1679	4.1	6
7	Investigations on continuous-wave laser and pulsed laser induced controllable ablation of SiCf/SiC composites. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 5835-5849	6	5
6	Analysis of low-frequency vibration-assisted bone drilling in reducing thermal injury. <i>Materials and Manufacturing Processes</i> , 2021 , 36, 27-38	4.1	2
5	Comprehensive study on the cutting specific energy and surface roughness of milled in situ TiB ₂ /Al composites and Al alloys. <i>International Journal of Advanced Manufacturing Technology</i> , 2021 , 112, 2717-2729	3.2	2

4	Machinability improvement of compacted graphite irons in milling process with supercritical CO ₂ -based MQL. <i>Journal of Manufacturing Processes</i> , 2021 , 68, 154-168	5	2
3	Preliminary study on mechanical characteristics of maxillofacial soft and hard tissues for virtual surgery. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021 , 16, 151-160	3.9	1
2	Experimental study on the cutting responses and surface integrity of side milled in situ TiB ₂ /Al composites. <i>International Journal of Advanced Manufacturing Technology</i> , 2021 , 113, 321-335	3.2	1
1	Wear and failure mechanisms of SiAlON ceramic tools during high-speed turning of nickel-based superalloys. <i>Wear</i> , 2021 , 204171	3.5	0