

# Uwe Teicher

## List of Publications by Citations

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

24  
papers

232  
citations

7  
h-index

15  
g-index

26  
ext. papers

268  
ext. citations

2.6  
avg, IF

2.99  
L-index

#	Paper	IF	Citations
24	On the grindability of Titanium alloy by brazed type monolayered superabrasive grinding wheels. <i>International Journal of Machine Tools and Manufacture</i> , <b>2006</b> , 46, 620-622	9.4	74
23	Performance of Diamond and CBN Single-Layered Grinding Wheels in Grinding Titanium. <i>Materials and Manufacturing Processes</i> , <b>2008</b> , 23, 224-227	4.1	51
22	Micro-EDM of Carbon Fibre-Reinforced Plastics. <i>Procedia CIRP</i> , <b>2013</b> , 6, 320-325	1.8	32
21	Characterization of the Surface Roughness of Milled Carbon Fiber Reinforced Plastic Structures. <i>Procedia CIRP</i> , <b>2017</b> , 66, 199-203	1.8	13
20	Finite element modeling of chip separation in machining cellular metals. <i>Advances in Manufacturing</i> , <b>2015</b> , 3, 54-62	2.7	9
19	A Method to Simulate Structural Properties of Cellular Materials for Machining Processes. <i>Procedia CIRP</i> , <b>2013</b> , 8, 100-104	1.8	8
18	Digital Twins for High-Tech Machining Applications – A Model-Based Analytics-Ready Approach. <i>Journal of Manufacturing and Materials Processing</i> , <b>2021</b> , 5, 80	2.2	7
17	2D Finite Element Modeling of the Cutting Force in Peripheral Milling of Cellular Metals. <i>Materials</i> , <b>2020</b> , 13,	3.5	5
16	Biomechanical Evaluation of Mandibular Condyle Fracture Osteosynthesis Using the Rhombic Three-Dimensional Condylar Fracture Plate. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2019</b> , 77, 1868.e1-1868.e5	1.8	5
15	The Influence of Thrust Force on the Vitality of Bone Chips Harvested for Autologous Augmentation during Dental Implantation. <i>Materials</i> , <b>2019</b> , 12,	3.5	5
14	Investigation of a carbon fibre-reinforced plastic grinding wheel for high-speed plunge-cut centreless grinding application. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , <b>2018</b> , 232, 2663-2669	2.4	4
13	Process based analysis of manually controlled drilling processes for bone <b>2018</b> ,		4
12	Development of a Process Data-based Strategy for Conditioning Position-controlled ID Cut-off Grinding Wheels in Silicon Wafer Manufacturing. <i>Procedia Manufacturing</i> , <b>2017</b> , 11, 1984-1991	1.5	4
11	SURFACE ROUGHNESS AND ITS PREDICTION IN HIGH SPEED MILLING OF ALUMINUM ALLOYS WITH PCD AND CEMENTED CARBIDE TOOLS. <i>MM Science Journal</i> , <b>2019</b> , 2019, 3136-3141	1.9	4
10	Cyber-physical approach toward semiautonomous postprocessing of additive manufactured parts and components. <i>Journal of Laser Applications</i> , <b>2021</b> , 33, 012033	2.1	2
9	Influence of Material and Constitutive Models on Friction Analysis for Modelling in Machining Cellular Metal Structures. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 727-728, 292-298	0.3	1
8	Impact of Cyber-physically enhanced manufacturing on the product requirement documentation in high-tech applications. <i>Procedia CIRP</i> , <b>2021</b> , 102, 210-215	1.8	1

7	Finite element analysis of orthogonal cutting of cellular metals: influence of cutting conditions on chip formation and surface damage. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2021</b> , 113, 1267-1280	3.2	1
6	The influence of brushing on the surface quality of aluminium. <i>MATEC Web of Conferences</i> , <b>2018</b> , 178, 01015	0.3	1
5	Evaluation of a method to measure the friction coefficient between vital mandibular bone and biomedical materials <i>Biotribology</i> , <b>2021</b> , 28, 100198	2.3	1
4	High performance machining of continuous metal fibers with cascaded multi-stage profile tools. <i>Procedia CIRP</i> , <b>2021</b> , 101, 334-337	1.8	0
3	A novel hybrid clamping system for sheet metals and thin walled structures. <i>Procedia Manufacturing</i> , <b>2019</b> , 40, 51-55	1.5	
2	An Experimental Method to Determine the Interstitial Splitting Forces and Thermal Load Input Induced by Self-Tapping and Self-Drilling Bone Screws: A Pilot Study. <i>Biomechanics</i> , <b>2021</b> , 1, 239-252		
1	Feature Engineering for Machine Learning using a Software-Based Approach for Machining Operations. <i>Lecture Notes in Production Engineering</i> , <b>2022</b> , 525-534	0	