

# Dwk Neo

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

365  
citations

759233

12  
h-index

794594

19  
g-index

35  
all docs

35  
docs citations

35  
times ranked

221  
citing authors

#	ARTICLE	IF	CITATIONS
1	Suppression of diamond tool wear with sub-millisecond oxidation in ultrasonic vibration cutting of steel. <i>Journal of Materials Processing Technology</i> , 2022, 299, 117320.	6.3	10
2	Reconfigured multi-axis diamond shaping of complex monolithic optics. <i>CIRP Annals - Manufacturing Technology</i> , 2022, 71, 69-72.	3.6	5
3	Super Dielectric Based EDM Process for Drilling of Inconel 718. <i>Materials and Manufacturing Processes</i> , 2021, 36, 341-350.	4.7	15
4	Edge Grinding Characteristics of Display Glass Substrate. <i>Journal of Manufacturing and Materials Processing</i> , 2021, 5, 20.	2.2	1
5	Ultra-precision direct diamond shaping of functional micro features. <i>Journal of Manufacturing Processes</i> , 2021, 64, 209-223.	5.9	15
6	Study of chip formation mechanism in one-dimensional vibration-assisted machining. <i>Journal of Materials Processing Technology</i> , 2021, 291, 117022.	6.3	12
7	Effects of cutting edge radius in vibration assisted micro machining. <i>International Journal of Mechanical Sciences</i> , 2021, 208, 106673.	6.7	14
8	A review of recent advances in fabrication of optical Fresnel lenses. <i>Journal of Manufacturing Processes</i> , 2021, 71, 113-133.	5.9	29
9	High throughput deep-hole drilling of Inconel 718 using PCBN gun drill. <i>Journal of Manufacturing Processes</i> , 2020, 57, 302-311.	5.9	16
10	Modeling of dynamic behavior of multispan gundrilling shaft with coolant and its effect on straightness deviation. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2020, 29, 11-24.	4.5	6
11	Manufacturing of three-dimensional optical functional surfaces by diamond engraving of RSA 905. <i>Procedia CIRP</i> , 2020, 87, 268-272.	1.9	1
12	A study on automatic fixture design using reinforcement learning. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 107, 2303-2311.	3.0	4
13	An Analytical Model for Determining the Shear Angle in 1D Vibration-Assisted Micro Machining. <i>Nanomanufacturing and Metrology</i> , 2019, 2, 199-214.	3.0	14
14	Ultra-precision machining of grayscale pixelated micro images on metal surface. <i>Precision Engineering</i> , 2018, 52, 211-220.	3.4	18
15	Ultraprecision Machining of Hybrid Freeform Surfaces Using Multiple-Axis Diamond Turning. <i>Springer Theses</i> , 2017, , .	0.1	1
16	Development of Hybrid FTS/SSS Diamond Turning. <i>Springer Theses</i> , 2017, , 41-51.	0.1	0
17	Conclusions and Recommended Future Works. <i>Springer Theses</i> , 2017, , 107-109.	0.1	0
18	Novel Surface Generation of Complex Hybrid Freeform Surfaces. <i>Springer Theses</i> , 2017, , 53-64.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Initial Development of CAD/CAM Technologies. Springer Theses, 2017, , 27-39.	0.1	0
20	Integration and Implementation. Springer Theses, 2017, , 83-105.	0.1	0
21	CAX-technologies for hybrid fast tool/slow slide servo diamond turning of freeform surface. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2016, 230, 1465-1479.	2.4	15
22	An automated Guilloche machining technique for the fabrication of polygonal Fresnel lens array. Precision Engineering, 2015, 41, 55-62.	3.4	41
23	A novel surface analytical model for cutting linearization error in fast tool/slow slide servo diamond turning. Precision Engineering, 2014, 38, 849-860.	3.4	61
24	Electrostatic Micromachined Resonating Micro-Scanner for Circumferential Endoscopic Bio-Imaging. IEEE Photonics Technology Letters, 2013, 25, 749-752.	2.5	1
25	MEMS Electrostatic Double T-Shaped Spring Mechanism for Circumferential Scanning. Journal of Microelectromechanical Systems, 2013, 22, 1147-1157.	2.5	1
26	Electrostatic MEMS resonating micro-polygonal scanner for circumferential endoscopic bio-imaging. , 2013, , .		0
27	Polygonal pyramidal reflector-based micromachined microscanners for bioimaging. Journal of Micro/Nanolithography, MEMS, and MOEMS, 2013, 13, 011109.	0.9	1
28	A novel method for layered tool path generation in the fast tool servo diamond turning of noncircular microstructural surfaces. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2013, 227, 210-219.	2.4	14
29	Offset Diamond Turning Technique for Machining of Fresnel Lens Arrays. , 2013, , .		0
30	A review on the current research trends in ductile regime machining. International Journal of Advanced Manufacturing Technology, 2012, 63, 465-480.	3.0	69
31	A Novel Method for Profile Error Analysis of Freeform Surfaces in FTS/STS Diamond Turning. Key Engineering Materials, 0, 625, 101-107.	0.4	1
32	Generating direct diamond shaping tool paths using special-purpose computer-aided-machining post-processor. International Journal of Computer Integrated Manufacturing, 0, , 1-15.	4.6	0