

# 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	A review on the current research trends in ductile regime machining. International Journal of Advanced Manufacturing Technology, 2012, 63, 465-480.	3.0	69
2	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
3	An automated Guilloche machining technique for the fabrication of polygonal Fresnel lens array. Precision Engineering, 2015, 41, 55-62.	3.4	41
4	A review of recent advances in fabrication of optical Fresnel lenses. Journal of Manufacturing Processes, 2021, 71, 113-133.	5.9	29
5	Ultra-precision machining of grayscale pixelated micro images on metal surface. Precision Engineering, 2018, 52, 211-220.	3.4	18
6	High throughput deep-hole drilling of Inconel 718 using PCBN gun drill. Journal of Manufacturing Processes, 2020, 57, 302-311.	5.9	16
7	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
8	Super Dielectric Based EDM Process for Drilling of Inconel 718. Materials and Manufacturing Processes, 2021, 36, 341-350.	4.7	15
9	Ultra-precision direct diamond shaping of functional micro features. Journal of Manufacturing Processes, 2021, 64, 209-223.	5.9	15
10	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
11	An Analytical Model for Determining the Shear Angle in 1D Vibration-Assisted Micro Machining. Nanomanufacturing and Metrology, 2019, 2, 199-214.	3.0	14
12	Effects of cutting edge radius in vibration assisted micro machining. International Journal of Mechanical Sciences, 2021, 208, 106673.	6.7	14
13	Study of chip formation mechanism in one-dimensional vibration-assisted machining. Journal of Materials Processing Technology, 2021, 291, 117022.	6.3	12
14	Suppression of diamond tool wear with sub-millisecond oxidation in ultrasonic vibration cutting of steel. Journal of Materials Processing Technology, 2022, 299, 117320.	6.3	10
15	Modeling of dynamic behavior of multispan gundrilling shaft with coolant and its effect on straightness deviation. CIRP Journal of Manufacturing Science and Technology, 2020, 29, 11-24.	4.5	6
16	Reconfigured multi-axis diamond shaping of complex monolithic optics. CIRP Annals - Manufacturing Technology, 2022, 71, 69-72.	3.6	5
17	A study on automatic fixture design using reinforcement learning. International Journal of Advanced Manufacturing Technology, 2020, 107, 2303-2311.	3.0	4
18	Electrostatic Micromachined Resonating Micro-Scanner for Circumferential Endoscopic Bio-Imaging. IEEE Photonics Technology Letters, 2013, 25, 749-752.	2.5	1

#	ARTICLE	IF	CITATIONS
19	MEMS Electrostatic Double T-Shaped Spring Mechanism for Circumferential Scanning. Journal of Microelectromechanical Systems, 2013, 22, 1147-1157.	2.5	1
20	Polygonal pyramidal reflector-based micromachined microscanners for bioimaging. Journal of Micro/Nanolithography, MEMS, and MOEMS, 2013, 13, 011109.	0.9	1
21	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
22	Ultraprecision Machining of Hybrid Freeform Surfaces Using Multiple-Axis Diamond Turning. Springer Theses, 2017, , .	0.1	1
23	Manufacturing of three-dimensional optical functional surfaces by diamond engraving of RSA 905. Procedia CIRP, 2020, 87, 268-272.	1.9	1
24	Edge Grinding Characteristics of Display Glass Substrate. Journal of Manufacturing and Materials Processing, 2021, 5, 20.	2.2	1
25	Electrostatic MEMS resonating micro-polygonal scanner for circumferential endoscopic bio-imaging. , 2013, , .		0
26	Development of Hybrid FTS/SSS Diamond Turning. Springer Theses, 2017, , 41-51.	0.1	0
27	Offset Diamond Turning Technique for Machining of Fresnel Lens Arrays. , 2013, , .		0
28	Conclusions and Recommended Future Works. Springer Theses, 2017, , 107-109.	0.1	0
29	Novel Surface Generation of Complex Hybrid Freeform Surfaces. Springer Theses, 2017, , 53-64.	0.1	0
30	Initial Development of CAD/CAM Technologies. Springer Theses, 2017, , 27-39.	0.1	0
31	Integration and Implementation. Springer Theses, 2017, , 83-105.	0.1	0
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