

Tanveer Saleh

List of Publications by Year in descending order

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papers

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687363

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533
citing authors

#	ARTICLE	IF	CITATIONS
1	A Hybrid Machining Process Combining Micro-EDM and Laser Beam Machining of Nickel-Titanium-Based Shape Memory Alloy. <i>Materials and Manufacturing Processes</i> , 2016, 31, 447-455.	4.7	89
2	A multiprocess machine tool for compound micromachining. <i>International Journal of Machine Tools and Manufacture</i> , 2010, 50, 344-356.	13.4	74
3	Development of an on-machine profile measurement system in ELID grinding for machining aspheric surface with software compensation. <i>International Journal of Machine Tools and Manufacture</i> , 2008, 48, 887-895.	13.4	59
4	Transforming carbon nanotube forest from darkest absorber to reflective mirror. <i>Applied Physics Letters</i> , 2012, 101, 061913.	3.3	37
5	Development, Modeling, and Experimental Investigation of Low Frequency Workpiece Vibration-Assisted Micro-EDM of Tungsten Carbide. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2010, 132, .	2.2	33
6	Experimental study on improving $\hat{1}/4$ -WEDM and $\hat{1}/4$ -EDM of doped silicon by temporary metallic coating. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 78, 1651-1663.	3.0	29
7	Design and Development of a Hybrid Machine Combining Rapid Prototyping and CNC Milling Operation. <i>Procedia Engineering</i> , 2017, 184, 163-170.	1.2	29
8	Development and performance evaluation of an ultra precision ELID grinding machine. <i>Journal of Materials Processing Technology</i> , 2007, 192-193, 287-291.	6.3	28
9	Field-emission-assisted approach to dry micro-electro-discharge machining of carbon-nanotube forests. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	24
10	Efficient dressing of the wheel in ELID grinding by controllable voltage with force feed back. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 46, 123-130.	3.0	21
11	High-power MEMS switch enabled by carbon-nanotube contact and shape-memory alloy actuator. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 631-638.	1.8	20
12	Dry micro-electro-discharge machining of carbon-nanotube forests using sulphur-hexafluoride. <i>Carbon</i> , 2013, 52, 288-295.	10.3	17
13	PDMS-based dual-channel pneumatic micro-actuator. <i>Smart Materials and Structures</i> , 2019, 28, 115044.	3.5	16
14	Study on micro-patterning process of vertically aligned carbon nanotubes (VACNTs). <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2016, 24, 88-99.	2.1	12
15	Improvement of Dimensional Accuracy of 3-D Printed Parts using an Additive/Subtractive Based Hybrid Prototyping Approach. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 260, 012031.	0.6	11
16	Study of Micro-EDM of Tungsten Carbide with Workpiece Vibration. <i>Advanced Materials Research</i> , 0, 264-265, 1056-1061.	0.3	10
17	Comparative study of conventional and magnetically coupled piezoelectric energy harvester to optimize output voltage and bandwidth. <i>Microsystem Technologies</i> , 2017, 23, 2663-2674.	2.0	10
18	Effect of laser parameters on sequential laser beam micromachining and micro electro-discharge machining. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 114, 709-723.	3.0	10

#	ARTICLE	IF	CITATIONS
19	In-Process Truing for ELID (Electrolytic In-Process Dressing) Grinding by Pulsewidth Control. IEEE Transactions on Automation Science and Engineering, 2011, 8, 338-346.	5.2	9
20	Copper–Cobalt Thermoelectric Generators: Power Improvement Through Optimized Thickness and Sandwiched Planar Structure. IEEE Transactions on Electron Devices, 2019, 66, 3459-3465.	3.0	9
21	An Experimental Investigation on the Effect of Nanopowder for Micro-Wire Electro Discharge Machining of Gold Coated Silicon. Procedia Engineering, 2017, 184, 171-177.	1.2	7
22	A machine learning-based classification model to identify the effectiveness of vibration for μ EDM. AEJ - Alexandria Engineering Journal, 2022, 61, 6979-6989.	6.4	7
23	Modelling for fabrication of microelectrodes by localized electrochemical deposition for micro-electrodischarge machining. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2010, 224, 1741-1755.	2.4	6
24	An <i>ex-situ</i> method to convert vertically aligned carbon nanotubes array to horizontally aligned carbon nanotubes mat. Materials Research Express, 2019, 6, 025019.	1.6	6
25	COMBINING FUSED DEPOSITION MODELLING WITH ABRASIVE MILLING TO ATTAIN HIGHER DIMENSIONAL ACCURACY AND BETTER SURFACE FINISH ON THE FINISHED PRODUCT. IIUM Engineering Journal, 2018, 19, 221-231.	0.8	6
26	Micropatterning Polypyrrole Conducting Polymer by Pulsed Electrical Discharge. Macromolecular Materials and Engineering, 2014, 299, 198-207.	3.6	5
27	Towards achieving nanofinish on silicon (Si) wafer by μ -wire electro-discharge machining. International Journal of Advanced Manufacturing Technology, 2018, 99, 3005-3015.	3.0	5
28	Enhancement of reflectance of densified vertically aligned carbon nanotube forests. Carbon Letters, 2016, 18, 67-70.	5.9	5
29	Non-traditional machining techniques for silicon wafers. International Journal of Advanced Manufacturing Technology, 2022, 121, 29-57.	3.0	5
30	Optical characterization of tip bended Vertically Aligned Carbon Nanotubes array. Chemical Physics Letters, 2018, 711, 37-41.	2.6	4
31	Heat-assisted μ -electrical discharge machining of silicon. International Journal of Advanced Manufacturing Technology, 2021, 113, 1727-1738.	3.0	4
32	Dual-stage artificial neural network (ANN) model for sequential LBMM- μ EDM-based micro-drilling. International Journal of Advanced Manufacturing Technology, 2021, 117, 3343-3365.	3.0	4
33	Application of CANFIS for modelling and predicting multiple output performances for different materials in μ EDM. CIRP Journal of Manufacturing Science and Technology, 2022, 37, 528-546.	4.5	4
34	A Piezoelectric Based Energy Harvester with Magnetic Interactions: Modelling and Simulation. Advanced Materials Research, 2015, 1115, 549-554.	0.3	3
35	Development of a Shape Memory Alloy (SMA) Based Assistive Hand. Advanced Materials Research, 2015, 1115, 454-457.	0.3	3
36	1.13 ELID Grinding and EDM for Finish Machining. , 2017, , 364-407.		3

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37	Modular robotic platform for autonomous machining. International Journal of Advanced Manufacturing Technology, 2019, 105, 2557-2567.	3.0	3
38	Hexapod robot for autonomous machining. IOP Conference Series: Materials Science and Engineering, 0, 488, 012003.	0.6	3
39	Effect of austempering temperature and manganese content on the impact energy of austempered ductile iron. Cogent Engineering, 2021, 8, 1939928.	2.2	3
40	High-precision dry micro-electro-discharge machining of carbon-nanotube forests with ultralow discharge energy. , 2012, , .		2
41	¼-Patterning of Carbon Nanotube (CNT) forest for MEMS applications. IOP Conference Series: Materials Science and Engineering, 2013, 53, 012050.	0.6	2
42	Development and performance evaluation of a linear actuator based wearable assistive device. , 2015, , .		2
43	Investigation of anisotropic reflectance from densified arrays of vertically aligned carbon nanotube forests (VACNTs). Chemical Physics Letters, 2016, 658, 343-346.	2.6	2
44	Optical anisotropy in micromechanically rolled carbon nanotube forest. Electronic Materials Letters, 2017, 13, 442-448.	2.2	2
45	Artificial neural network modelling and analysis of carbon nanopowder mixed micro wire electro discharge machining of gold coated doped silicon. International Journal of Materials Engineering Innovation, 2019, 10, 346.	0.5	2
46	A System Development Approach for Electrolytic In-Process Dressing (ELID) Grinding. International Journal of Automation Technology, 2011, 5, 21-29.	1.0	2
47	A Review on Micro-Patterning Processes of Vertically Aligned Carbon Nanotubes Array (VACNTs) Tj ETQq1 1 0.784314 rgBT /Qverlock 1.2 2		
48	Electrolytic In-Process Dressing (ELID) Grinding for Nano-Surface Generation. , 2014, , 483-522.		1
49	Micro-mechanical bending (M²/sup>B) method for carbon nanotube (CNT) based sensor fabrication. , 2014, , .		1
50	Optimal particle ratio to maximize the dynamic range of magnetorheological fluid (MRF) damper for prosthetic limb. , 2015, , .		1
51	Micro glow plasma for localized nanostructural modification of carbon nanotube forest. Applied Physics Letters, 2016, 109, 081604.	3.3	1
52	Development of localised electrochemical deposition control system for fabricating micro EDM electrode. International Journal of Machining and Machinability of Materials, 2017, 19, 260.	0.1	1
53	Editorial: Advanced Nanomaterial Synthesis and their Applications for Engineering Research. Current Nanomaterials, 2018, 2, 75-75.	0.4	1
54	Development and Performance Evaluation of Modular RC-based Power Supply for Micro-EDM. , 2019, , .		1

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55	Near Net Shape Machining by Micro-EDM and Micro-WEDM. Materials Forming, Machining and Tribology, 2019, , 231-264.	1.1	1
56	Remote Interior Temperature Control of Parked Vehicles. Advanced Materials Research, 0, 1115, 494-498.	0.3	0
57	Empirical modeling of micromechanical bending process of vertically aligned carbon nanotube forest using response surface methodology. Cogent Engineering, 2017, 4, 1347078.	2.2	0
58	An Assistive Robotic Hand Based on Human Computer Interface (HCI) and Shape Memory Alloy (SMA) Actuator. Lecture Notes in Electrical Engineering, 2017, , 385-394.	0.4	0
59	Prototype of single degree of freedom optical resolver. IOP Conference Series: Materials Science and Engineering, 2019, 488, 012004.	0.6	0
60	Development of an Active Fixture for Ultrasonically Assisted Micro Electro-Discharge Machining. , 2019, , .		0
61	Electrochemical machining for microfabrication. , 2021, , 339-386.		0
62	Development of localised electrochemical deposition control system for fabricating micro EDM electrode. International Journal of Machining and Machinability of Materials, 2017, 19, 260.	0.1	0
63	Concept of a Programmable Fixture for 3-Axis CNC. International Journal of Engineering Materials and Manufacture, 2017, 2, 49-57.	0.3	0
64	Artificial neural network modelling and analysis of carbon nanopowder mixed micro wire electro discharge machining of gold coated doped silicon. International Journal of Materials Engineering Innovation, 2019, 10, 346.	0.5	0
65	ELID Grinding for Final Finishing Operation. Materials Forming, Machining and Tribology, 2020, , 129-145.	1.1	0