

Raja Izamshah

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid deflection prediction on machining thin-wall monolithic aerospace components. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2012, 226, 592-605.	1.5	62
2	Effects of End Mill Helix Angle on Accuracy for Machining Thin-Rib Aerospace Component. Applied Mechanics and Materials, 0, 315, 773-777.	0.2	33
3	Effects of Machine Parameters on Surface Roughness Using Response Surface Method in Drilling Process. Procedia Engineering, 2013, 68, 24-29.	1.2	32
4	Study of Surface Roughness on Milling Unfilled-polyetheretherketones Engineering Plastics. Procedia Engineering, 2013, 68, 654-660.	1.2	26
5	Finite Element Model of Machining with High Pressure Coolant for Ti-6Al-4V Alloy. Procedia Engineering, 2013, 53, 624-631.	1.2	24
6	Investigation of surface topology in ball nose end milling process of Inconel 718. Wear, 2019, 426-427, 1318-1326.	1.5	21
7	Effect of standoff distance on the kerf characteristic during abrasive water jet machining. Results in Engineering, 2020, 6, 100101.	2.2	15
8	The Effect of Pressure on Warpage of Dumbbell Plastic Part in Injection Moulding Machine. Advanced Materials Research, 0, 903, 61-66.	0.3	14
9	Friction Performance Analysis of Waste Tire Rubber Powder Reinforced Polypropylene Using Pin-On-Disk Tribometer. Procedia Engineering, 2013, 68, 743-749.	1.2	12
10	Effects of Cutter Geometrical Features on Machining Polyetheretherketones (PEEK) Engineering Plastic. Journal of Mechanical Engineering and Sciences, 2014, 6, 863-872.	0.3	12
11	Cost evaluation on performance of a PVD coated cutting tool during end-milling of Inconel 718 under MQL conditions. Transactions of the Institute of Metal Finishing, 2016, 94, 175-181.	0.6	11
12	Effects of Drill Geometry and Penetration Angle on Temperature and Holes Surfaces for Cortical Bovine Bone: An in Vitro Study. Procedia Engineering, 2017, 184, 70-77.	1.2	9
13	Cutter Path Strategies for Shoulder Milling of Thin Deflecting Walls. Advanced Materials Research, 2014, 903, 175-180.	0.3	7
14	Experimental Investigations Towards Hole Accuracy in Micro-drilling of Carbon Fibre Reinforced Polymer Material. Manufacturing Technology, 2021, 21, 381-386.	0.2	6
15	Multi-Objective Optimization Using Box-Behken of Response Surface Methodology for High-Speed Machining of Inconel 718. Applied Mechanics and Materials, 0, 629, 487-492.	0.2	5
16	Enhancing the Productivity of Wire Electrical Discharge Machining Toward Sustainable Production by using Artificial Neural Network Modelling. Emitter: International Journal of Engineering Technology, 2019, 7, 261-274.	0.7	5
17	Electrode Fabrication and Electrochemical Analysis of AC/Graphene-Based Electrochemical Capacitor in 1 M H₂SO₄. Advanced Science, Engineering and Medicine, 2014, 6, 1082-1085.	0.3	5
18	The Effect of EDM Die-Sinking Parameters on Material Characteristic for Aluminium Composite Using Tungsten Copper Electrode. Applied Mechanics and Materials, 0, 465-466, 1214-1218.	0.2	4

#	ARTICLE	IF	CITATIONS
19	Chip Discharge Performance of Micro-Hole Drilling through a Glass Plate using an Electroplated Diamond Tool with Different Drill Bits. International Journal of Precision Engineering and Manufacturing, 2018, 19, 1273-1280.	1.1	4
20	Nanostructuring Ultra-thin Co Films to Active Catalyst Particles for Vertically Aligned Single-walled CNT Growth. Procedia Engineering, 2013, 68, 566-571.	1.2	3
21	Optimization of Cutter Geometry Features to Minimise Cutting Force on Machining Polyetheretherketone (PEEK) Engineering Plastic. Applied Mechanics and Materials, 0, 761, 282-286.	0.2	3
22	Effect of Machining Parameters on Surface Roughness in Edge Trimming of Carbon Fiber Reinforced Plastics (CFRP). Tribology Online, 2020, 15, 53-59.	0.2	3
23	Warpage Analysis of Different Number Cooling Channels for Dumbbell Plastic Part in Injection Moulding. Applied Mechanics and Materials, 0, 761, 8-11.	0.2	2
24	Performance evaluation of rotary mechanism characteristics by response surface methodology in cylindrical wire electrical discharge turning. Advances in Materials and Processing Technologies, 2018, 4, 281-295.	0.8	2
25	Investigation of tangential force on ball nose rake face during high-speed milling of Inconel 718. Advances in Materials and Processing Technologies, 2018, 4, 378-384.	0.8	2
26	Observation on dynamic behavior of droplets evaporation after the end-of-injection of diesel spray. AIP Conference Proceedings, 2018, , .	0.3	2
27	The Effect of EDM Die-Sinking Parameters on Material Characteristic for Aluminum Composite. Applied Mechanics and Materials, 0, 699, 26-31.	0.2	1
28	Effect of Different Coolant Medium on Warpage Deflection Using Moldflow Insight Analysis. Applied Mechanics and Materials, 0, 761, 42-46.	0.2	1
29	Cutting Technology Innovation in Production of Porous Cellular Mat. Applied Mechanics and Materials, 0, 761, 641-645.	0.2	1
30	Optimization of Milling Parameter for Untreated and Heat Treated Polyetheretherketones (PEEK) Biomaterials. Applied Mechanics and Materials, 0, 761, 293-297.	0.2	1
31	Multi Objective Optimization of Cutting Parameters in Machining Cellulose Based Hybrid Composites. Applied Mechanics and Materials, 0, 761, 287-292.	0.2	1
32	1303 Implementation of TMAC Workshop for Global Design Education. The Proceedings of Design & Systems Conference, 2015, 2015.25, _1303-1_-_1303-6_.	0.0	1
33	An Experimental Study of Different Thermal Boxes Heated by Solar Thermal Radiation for Hot Water System at Night. Applied Mechanics and Materials, 2013, 315, 788-792.	0.2	0
34	Way Forward to Halt Pressure Loss in Automotive Tyres. Applied Mechanics and Materials, 0, 761, 510-514.	0.2	0
35	Development of Jig for Sintering Hollow Tube Mat. Applied Mechanics and Materials, 0, 761, 631-635.	0.2	0
36	Tool Life and Wear Mechanism when Machining LM6 Aluminium (MMC) with Coated and Uncoated High Speed Steel. Applied Mechanics and Materials, 0, 761, 262-266.	0.2	0

#	ARTICLE	IF	CITATIONS
37	2315 Tool life assessment of untreated and aged hardening Inconel 718 during end milling. The Proceedings of Design & Systems Conference, 2014, 2014.24, _2315-1_-_2315-8_.	0.0	0
38	1306 Malay articulation disorder diagnostic tool design by using Hidden Markov Model. The Proceedings of Design & Systems Conference, 2015, 2015.25, _1306-1_-_1306-11_.	0.0	0
39	1302 Preparation of TMAC Workshop for Global Design Education. The Proceedings of Design & Systems Conference, 2015, 2015.25, _1302-1_-_1302-6_.	0.0	0
40	1304 Development of New Cutter Design for Machining Thin Wall Aerospace Component. The Proceedings of Design & Systems Conference, 2015, 2015.25, _1304-1_-_1304-10_.	0.0	0
41	1301 TMAC Research and Education Units towards academic collaboration. The Proceedings of Design & Systems Conference, 2015, 2015.25, _1301-1_-_1301-7_.	0.0	0
42	1305 Spreadsheet Application In Solving Engineering Problem : Development Of Shaft Alignment Program. The Proceedings of Design & Systems Conference, 2015, 2015.25, _1305-1_-_1305-6_.	0.0	0
43	Improvement of the wire compensation configuration model for improving part accuracy in cylindrical wire electrical discharge turning. International Journal of Manufacturing Technology and Management, 2019, 33, 428.	0.1	0
44	Toolpath and Holes Accuracy of Robotic Machining for Drilling Process. Lecture Notes in Mechanical Engineering, 2020, , 519-524.	0.3	0