M.S. Kasim

List of Publications by Year
in descending order

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81 papers	551 citations	759233 12 h-index	752698 20 g-index
85 all docs	85 docs citations	85 times ranked	466 citing authors

#	Article	IF	Citations
1	Computational fluid dynamic analysis on tribological performance under hydrodynamic lubrication of dimple textured surface produced using turning process. Wear, 2021, 477, 203898.	3.1	6
2	Flow Analysis of Three Plate Family Injection Mould Using Moldflow Software Analysis. Lecture Notes in Mechanical Engineering, 2020, , 387-398.	0.4	1
3	Effect of Machining Parameters on Surface Roughness in Edge Trimming of Carbon Fiber Reinforced Plastics (CFRP). Tribology Online, 2020, 15, 53-59.	0.9	3
4	Studies on characteristic of glycerol-kenaf pellet via fluidization drying process toward energy produced. AIP Conference Proceedings, 2020, , .	0.4	4
5	Determination of moisture content on kenaf via fluidization systems. AIP Conference Proceedings, 2020, , .	0.4	2
6	Pollutant Emission in Diesel Engine. Lecture Notes in Mechanical Engineering, 2020, , 288-298.	0.4	1
7	Toolpath and Holes Accuracy of Robotic Machining for Drilling Process. Lecture Notes in Mechanical Engineering, 2020, , 519-524.	0.4	0
8	Integrated interface system for tool path generation of STEP file. AIP Conference Proceedings, 2019, , .	0.4	0
9	An assessment for a new approach to pulsating lubrication strategy (PLS) in end milling. International Journal of Advanced Manufacturing Technology, 2019, 105, 3157-3163.	3.0	2
10	Chip morphology in ball nose end milling process of nickel-based alloy material under MQL condition. International Journal of Advanced Manufacturing Technology, 2019, 103, 4621-4625.	3.0	5
11	Influence of Router Tool Geometry on Surface Finish in Edge Trimming of Multi-Directional CFRP Material. IOP Conference Series: Materials Science and Engineering, 2019, 469, 012026.	0.6	4
12	Investigation of surface topology in ball nose end milling process of Inconel 718. Wear, 2019, 426-427, 1318-1326.	3.1	21
13	Effect of machining parameters on surface quality during edge trimming of multi-directional CFRP material: Taguchi method. IOP Conference Series: Materials Science and Engineering, 2019, 469, 012095.	0.6	3
14	The Influence of Spiral Blade Distributor on Pressure Drop in a Swirling Fluidized Bed. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012106.	0.6	13
15	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
16	State-of-the-art surface texturing and methods for tribological performance. World Review of Science, Technology and Sustainable Development, 2019, 15, 330.	0.4	0
17	Influence of ball milling duration of quarry dust on the properties of nickel-quarry dust composite coating. Journal of Mechanical Engineering and Sciences, 2019, 13, 5441-5454.	0.6	0
18	Effect of heat treatment on the tribological performance of electroless quaternary nickel alloy. Journal of Mechanical Engineering and Sciences, 2019, 13, 5637-5652.	0.6	0

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19	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.	1.4	2
20	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.	1.4	2
21	Optimizing the processing conditions of sodium potassium niobate thin films prepared by sol-gel spin coating technique. Ceramics International, 2018, 44, 317-325.	4.8	22
22	Fatigue and Mechanical Properties of Graphene Nanoplatelets Reinforced Nr/Epdm Nanocomposites. Journal of Physics: Conference Series, 2018, 1082, 012050.	0.4	1
23	Observation on dynamic behavior of droplets evaporation after the end-of-injection of diesel spray. AIP Conference Proceedings, 2018, , .	0.4	2
24	Wear characteristics of recycled carbon fibre-filled polypropylene composites via acidic surface treatment. World Review of Science, Technology and Sustainable Development, 2018, 14, 165.	0.4	0
25	Tool Wear Analysis on Five-Axis Flank Milling for Curved Shape Part â€“ Full Flute and Ground Shank End Mill. MATEC Web of Conferences, 2017, 97, 01091.	0.2	0
26	Comparative study of tool wear in milling titanium alloy (Ti-6Al-4V) using PVD and CVD coated cutting tool. Industrial Lubrication and Tribology, 2017, 69, 363-370.	1.3	17
27	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
28	A review on feasibility study of ultrasonic assisted machining on aircraft component manufacturing. IOP Conference Series: Materials Science and Engineering, 2017, 270, 012034.	0.6	9
29	Analysis of face milling performance on Inconel 718 using FEM and historical data of RSM. IOP Conference Series: Materials Science and Engineering, 2017, 270, 012038.	0.6	4
30	ELECTROLESS QUATERNARY NI-CU-CO-P ALLOY DEPOSITION MECHANISM IN ACIDIC BATH USING CYCLIC VOLTAMMETRY MEASUREMENT. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.4	0
31	MECHANICAL PROPERTIES AND CUTTING PERFORMANCE OF ELECTROLESS TERNARY NI-W-P COATED CUTTING TOOLS. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.4	0
32	GRID INDEPENDENT STUDY ON TETRAHEDRAL AND HEXAHEDRAL DOMINANT ELEMENTS TYPES IN FINITE ELEMENT ANALYSIS OF INTEGRATED CIRCUIT PACKAGE. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.4	0
33	Response Surface Methodology Approach on Effect of Cutting Parameter on Tool Wear during End Milling of High Thermal Conductivity Steel -150 (HTCS-150). IOP Conference Series: Materials Science and Engineering, 2016, 114, 012015.	0.6	0
34	Part weight verification between simulation and experiment of plastic part in injection moulding process. IOP Conference Series: Materials Science and Engineering, 2016, 160, 012016.	0.6	8
35	Effect of cutting speed on the carbide cutting tool in milling Inconel 718 alloy. Journal of Materials Research, 2016, 31, 1885-1892.	2.6	13
36	Wear mechanism of coated and uncoated carbide cutting tool in machining process. Journal of Materials Research, 2016, 31, 1873-1879.	2.6	28

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37	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.	1.3	11
38	Advanced Manufacturing of an Aircraft Component (Fish-Head): A Technology Review on the Fabrication. International Journal on Advanced Science, Engineering and Information Technology, 2016, 6, 734.	0.4	0
39	Heat-Assisted Machining for Material Removal Improvement. IOP Conference Series: Materials Science and Engineering, 2015, 88, 012052.	0.6	1
40	PRODUCT AND TOOLING DESIGN OF SLANTED GLASS INJECTION MOULD FOR VISUALIZATION OF FLOW MOLTEN PLASTIC. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	0
41	EFFECT OF CUTTING PARAMETERS ON CUTTING ZONE IN CRYOGENIC HIGH SPEED MILLING OF INCONEL 718 ALLOY. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	5
42	Micro-drilling of silicon wafer by industrial CO2 laser. International Journal of Mechanical and Materials Engineering, 2015, 10, .	2.2	7
43	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
44	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
45	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
46	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
47	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
48	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
49	Optimization of Cutting Parameters of Multiple Performance Characteristics in End Milling of AlSi/AlN MMC â€“ Taguchi Method and Grey Relational Analysis. Jurnal Teknologi (Sciences and) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.4	3
50	Investigation on Wear Behavior and Chip Formation During Up-Milling and Down-Milling Operations for Inconel 718. Jurnal Teknologi (Sciences and Engineering), 2014, 66, .	0.4	3
51	Multi-objective Optimization of Titanium Alloy through Orthogonal Array and Grey Relational Analysis in WEDM. Procedia Technology, 2014, 15, 832-840.	1.1	28
52	Cutter Path Strategies for Shoulder Milling of Thin Deflecting Walls. Advanced Materials Research, 2014, 903, 175-180.	0.3	7
53	Modeling and Multi-Response Optimization on WEDM Ti6Al4V. Applied Mechanics and Materials, 2014, 510, 123-129.	0.2	9
54	Surface Integrity of LM6 Aluminum Metal Matrix Composite when Machined with High Speed Steel and Uncoated Carbide Cutting Tools. Journal of Mechanical Engineering and Sciences, 2014, 6, 854-862.	0.6	13

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55	Effects of Cutter Geometrical Features on Machining Polyetheretherketones (PEEK) Engineering Plastic. Journal of Mechanical Engineering and Sciences, 2014, 6, 863-872.	0.6	12
56	2410 Mould design analysis of casted natural fibre-metal matrix composites. The Proceedings of Design & Systems Conference, 2014, 2014.24, _2410-1_-_2410-6_.	0.0	0
57	2314 Study on cutting parameter on kerf width using wire electrical discharge machining of Inconel 718. The Proceedings of Design & Systems Conference, 2014, 2014.24, _2314-1_-_2314-6_.	0.0	0
58	2316 Design and optimization of runner and gating systems for permanent mould casting. The Proceedings of Design & Systems Conference, 2014, 2014.24, _2316-1_-_2316-7_.	0.0	1
59	2308 Effect Cutting Parameters on Surface Roughness during End Milling of AISI D2 Tool Steel. The Proceedings of Design & Systems Conference, 2014, 2014.24, _2308-1_-_2308-6_.	0.0	1
60	2310 Improving Die Exchange Process in Textile Manufacturing Company with SMED. The Proceedings of Design & Systems Conference, 2014, 2014.24, _2310-1_-_2310-9_.	0.0	0
61	Effects of Machine Parameters on Surface Roughness Using Response Surface Method in Drilling Process. Procedia Engineering, 2013, 68, 24-29.	1.2	32
62	Study of Surface Roughness on Milling Unfilled-polyetheretherketones Engineering Plastics. Procedia Engineering, 2013, 68, 654-660.	1.2	26
63	Wear mechanism and notch wear location prediction model in ball nose end milling of Inconel 718. Wear, 2013, 302, 1171-1179.	3.1	84
64	Comparison between Up-milling and Down-milling Operations on Tool Wear in Milling Inconel 718. Procedia Engineering, 2013, 68, 647-653.	1.2	37
65	Surface Intergrity of Inconel 718 under MQL Condition. Advanced Materials Research, 2010, 150-151, 1667-1672.	0.3	7
66	The Effect of Minimal Quantity Lubrication (MQL) on the Surface Roughness of Titanium Alloy Ti-6Al-4V ELI in Turning Process. Advanced Materials Research, 2010, 146-147, 1750-1753.	0.3	5
67	Optimization of Gate, Runner and Sprue in Two-Plate Family Plastic Injection Mould. , 2010, , .		9
68	Cutting Performances of Coated PVD in High Speed End Milling of Aged Inconel 718. Materials Science Forum, 0, 773-774, 653-660.	0.3	2
69	Evaluation of the Surface Integrity when Machining LM6 Aluminum Metal Matrix Composites Using Coated and Uncoated Carbide Cutting Tools. Applied Mechanics and Materials, 0, 465-466, 1049-1053.	0.2	6
70	Finite Element Model of Trimming CFRP Aerospace Composites. Applied Mechanics and Materials, 0, 695, 163-166.	0.2	3
71	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
72	The Effect of Pressure on Warpage of Dumbbell Plastic Part in Injection Moulding Machine. Advanced Materials Research, 0, 903, 61-66.	0.3	14

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73	Modeling and Influence of Machining Parameters on Titanium Aloy. Advanced Materials Research, 0, 911, 220-225.	0.3	2
74	Determination on the Effect of Cutter Geometrical Feature for Machining Polyetheretherketone (PEEK) Using Taguchi Methods. Applied Mechanics and Materials, 0, 699, 192-197.	0.2	7
75	Machining Parameters Optimization for Trimming Operation in a Milling Machine Using Two Level Factorial Design. Applied Mechanics and Materials, 0, 789-790, 105-110.	0.2	4
76	Development of Three-Axis Mini Milling Machine for Small Scale Production. Applied Mechanics and Materials, 0, 761, 273-276.	0.2	0
77	Analysis of Tool Performance during Ball-End Milling of Aluminium Alloy 6061-T6. Applied Mechanics and Materials, 0, 761, 318-323.	0.2	2
78	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
79	Multi Objective Optimization of Cutting Parameters in Machining Cellulose Based Hybrid Composites. Applied Mechanics and Materials, 0, 761, 287-292.	0.2	1
80	Cure Characteristics of Natural Rubber/EPDM Blends for the Effect of MAH Grafted EPM and Compounding Parameters via Response Surface Methodology. Applied Mechanics and Materials, 0, 761, 441-446.	0.2	0
81	Electroless Ni-Co-Cu-P Alloy Deposition in Alkaline Hypophosphite Based Bath. Key Engineering Materials, 0, 694, 151-154.	0.4	1