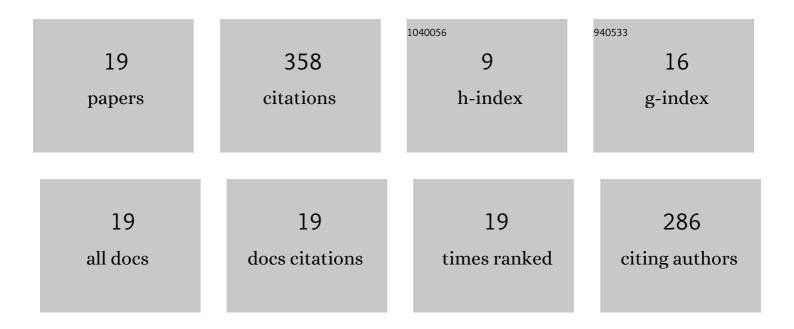
D Samuel Raj

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Effect of EDMed rake face grooves on the chip breaking capability of twist drills during deep hole drilling of Al 6061 aluminum alloy. Materials and Manufacturing Processes, 2022, 37, 1052-1072.	4.7	8
2	Effect of cutting edge radius on end milling Ti–6Al–4V under minimum quantity cooling lubrication – Chip morphology and surface integrity study. Wear, 2022, 498-499, 204307.	3.1	11
3	A combined numerical and experimental investigation of minimum quantity lubrication applied to end milling of Ti6Al4V alloy. Machining Science and Technology, 2021, 25, 209-236.	2.5	10
4	Optimization of jet position and investigation of the effects of multijet MQCL during end milling of Ti-6Al-4V. Journal of Manufacturing Processes, 2021, 64, 392-408.	5.9	16
5	A novel contact area based analysis to study the thermo-mechanical effect of cutting edge radius using numerical and multi-sensor experimental investigation in turning. Journal of Materials Processing Technology, 2021, 293, 117085.	6.3	15
6	Evaluation of the effect of cryogenic treatment of HSS drills at different holding time in drilling AISI 316-SS. Engineering Research Express, 2020, 2, 025005.	1.6	7
7	Performance of cryogenically treated WC drill using tool wear measurements on the cutting edge and hole surface topography when drilling CFRP. International Journal of Refractory Metals and Hard Materials, 2019, 78, 32-44.	3.8	29
8	A new and comprehensive characterisation of tool wear in CFRP drilling using micro-geometry and topography studies on the cutting edge. Journal of Manufacturing Processes, 2018, 32, 839-856.	5.9	33
9	On the benefits of sub-zero air supplemented minimum quantity lubrication systems: An experimental and mechanistic investigation on end milling of Ti-6-Al-4-V alloy. Tribology International, 2018, 119, 464-473.	5.9	50
10	Studies on Cryogenic Treated Drills Under Nano-Fluid Based Reduced Quantity Lubrication Conditions for Machining Ti6Al4V. , 2018, , .		1
11	Simplified MQL system for drilling AISI 304 SS using cryogenically treated drills. Materials and Manufacturing Processes, 2017, 32, 1679-1684.	4.7	28
12	Cutting edge—flatting and roughness measurement—to monitor blunting and chipping of the drill cutting edge when drilling CFRP. International Journal of Advanced Manufacturing Technology, 2017, 92, 953-968.	3.0	19
13	Improvement of hole quality and process characteristics by adopting reduced quantity lubrication in drilling of stainless steel 304. International Journal of Productivity and Quality Management, 2017, 22, 190.	0.2	1
14	Improvement of hole quality and process characteristics by adopting reduced quantity lubrication in drilling of stainless steel 304. International Journal of Productivity and Quality Management, 2017, 22, 1.	0.2	2
15	Six Sigma implementation in a manufacturing unit - a case study. International Journal of Productivity and Quality Management, 2016, 19, 409.	0.2	2
16	Study of the Effect of Tool Wear on Hole Quality in Drilling CFRP to Select a Suitable Drill for Multi-Criteria Hole Quality. Materials and Manufacturing Processes, 2016, 31, 587-592.	4.7	70
17	Six Sigma implementation in a manufacturing unit - a case study. International Journal of Productivity and Quality Management, 2016, 19, 409.	0.2	1
18	Modeling and Optimization of Process Parameters for Defect Toleranced Drilling of GFRP Composites. Materials and Manufacturing Processes, 2006, 21, 357-365.	4.7	40

#	Article	IF	CITATIONS
19	Performance analysis of tools with rake face textures produced using wire-EDM in turning AISI4340. Materials and Manufacturing Processes, 0, , 1-15.	4.7	15