

# Islam S Shyha

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7126792/publications.pdf>

Version: 2024-02-01

51  
papers

1,709  
citations

394390

19  
h-index

289230

40  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1577  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical, Thermal, and Electrical Properties of Graphene-Epoxy Nanocompositesâ€”A Review. <i>Polymers</i> , 2016, 8, 281.	4.5	246
2	Drill geometry and operating effects when cutting small diameter holes in CFRP. <i>International Journal of Machine Tools and Manufacture</i> , 2009, 49, 1008-1014.	13.4	209
3	Effect of laminate configuration and feed rate on cutting performance when drilling holes in carbon fibre reinforced plastic composites. <i>Journal of Materials Processing Technology</i> , 2010, 210, 1023-1034.	6.3	179
4	Hole quality assessment following drilling of metallic-composite stacks. <i>International Journal of Machine Tools and Manufacture</i> , 2011, 51, 569-578.	13.4	177
5	Comparison of cutting mechanism when machining micro and nano-particles reinforced SiC/Al metal matrix composites. <i>Composite Structures</i> , 2018, 203, 636-647.	5.8	78
6	Grinding performance and workpiece integrity when superabrasive edge routing carbon fibre reinforced plastic (CFRP) composites. <i>CIRP Annals - Manufacturing Technology</i> , 2012, 61, 295-298.	3.6	65
7	Drilling of Titanium/CFRP/Aluminium Stacks. <i>Key Engineering Materials</i> , 2010, 447-448, 624-633.	0.4	63
8	The degradation of mechanical properties in polymer nano-composites exposed to liquid media â€” a review. <i>RSC Advances</i> , 2016, 6, 1076-1089.	3.6	49
9	Finite element modelling on cutting mechanism of nano Mg/SiC metal matrix composites considering cutting edge radius. <i>Journal of Manufacturing Processes</i> , 2018, 32, 116-126.	5.9	43
10	Factors affecting the piezoelectric performance of ceramic-polymer composites: A comprehensive review. <i>Ceramics International</i> , 2021, 47, 17813-17825.	4.8	42
11	Manufacturing at double the speed. <i>Journal of Materials Processing Technology</i> , 2016, 229, 729-757.	6.3	40
12	Development of affordable steel-framed modular buildings for emergency situations (Covid-19). <i>Structures</i> , 2021, 31, 862-875.	3.6	40
13	Improved non-contact 3D field and processing techniques to achieve macrotecture characterisation of pavements. <i>Construction and Building Materials</i> , 2019, 227, 116693.	7.2	37
14	Modeling and experimentation of multi-layered nanostructured graphene-epoxy nanocomposites for enhanced thermal and mechanical properties. <i>Journal of Composite Materials</i> , 2017, 51, 209-220.	2.4	32
15	An experimental study on tool wear behaviour in micro milling of nano Mg/Ti metal matrix composites. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 96, 2127-2140.	3.0	27
16	An Investigation into CO2 Laser Trimming of CFRP and GFRP Composites. <i>Procedia Engineering</i> , 2013, 63, 931-937.	1.2	25
17	Analysis of Microstructure and Chip Formation When Machining Ti-6Al-4V. <i>Metals</i> , 2018, 8, 185.	2.3	23
18	Effects of minimal quantity lubricants reinforced with nano-particles on the performance of carbide drills for drilling nickel-titanium alloys. <i>Tribology International</i> , 2019, 136, 58-66.	5.9	23

#	ARTICLE	IF	CITATIONS
19	Solution Blow Spinning of Polyvinylidene Fluoride Based Fibers for Energy Harvesting Applications: A Review. <i>Polymers</i> , 2020, 12, 1304.	4.5	22
20	Experimental analysis of system parameters for minimum cutting fluid consumption when machining Ti-6Al-4V using a novel supply system. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 95, 2795-2809.	3.0	21
21	Local buckling strength and design of cold-formed steel beams with slotted perforations. <i>Thin-Walled Structures</i> , 2020, 156, 106951.	5.3	20
22	Optimal design of cold-formed steel lipped channel beams: Combined bending, shear, and web crippling. <i>Structures</i> , 2020, 28, 825-836.	3.6	19
23	Experimental investigation on micromachining of epoxy/graphene nano platelet nanocomposites. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 107, 3169-3183.	3.0	19
24	Investigation of Cutting Tools and Working Conditions Effects when Cutting Ti-6al-4V using Vegetable Oil-Based Cutting Fluids. <i>Procedia Engineering</i> , 2015, 132, 577-584.	1.2	17
25	Electro-discharge machining of metal matrix composite materials. <i>Advances in Materials and Processing Technologies</i> , 2016, 2, 235-244.	1.4	17
26	The degradation of mechanical properties in halloysite nanoclay-polyester nanocomposites exposed to diluted methanol. <i>Journal of Composite Materials</i> , 2017, 51, 1653-1664.	2.4	17
27	Evaluation of a Novel Controlled Cutting Fluid Impinging Supply System When Machining Titanium Alloys. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 560.	2.5	16
28	The Degradation of Mechanical Properties in Halloysite Nanoclay-Polyester Nanocomposites Exposed in Seawater Environment. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-12.	2.7	14
29	Micro-Machining of Nano-Polymer Composites Reinforced with Graphene and Nano-Clay Fillers. <i>Key Engineering Materials</i> , 2018, 786, 197-205.	0.4	14
30	Machining Unidirectional Composites using Single-Point Tools: Analysis of Cutting Forces, Chip Formation and Surface Integrity. <i>Procedia Engineering</i> , 2015, 132, 569-576.	1.2	13
31	Solution Blow Spinning of High-Performance Submicron Polyvinylidene Fluoride Fibres: Computational Fluid Mechanics Modelling and Experimental Results. <i>Polymers</i> , 2020, 12, 1140.	4.5	12
32	Investigation of control algorithm for long-stroke fast tool servo system. <i>Precision Engineering</i> , 2022, 75, 12-23.	3.4	11
33	An experimental investigation on tool wear behaviour of uncoated and coated micro-tools in micro-milling of graphene-reinforced polymer nanocomposites. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 113, 2003-2015.	3.0	10
34	Dynamic simulation of machining composites using the explicit element-free Galerkin method. <i>Composite Structures</i> , 2018, 198, 156-173.	5.8	9
35	Solution blow spinning of piezoelectric nanofiber mat for detecting mechanical and acoustic signals. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51322.	2.6	9
36	Finite element and experimental studies on the machining process of polymer/graphene nanoplatelet nanocomposites. <i>Composites Part B: Engineering</i> , 2022, 230, 109545.	12.0	8

#	ARTICLE	IF	CITATIONS
37	Experimental Investigation on Micro Milling of Polyester/Halloysite Nano-Clay Nanocomposites. <i>Nanomaterials</i> , 2019, 9, 917.	4.1	6
38	Environmental Stress Cracking Resistance of Halloysite Nanoclay-Polyester Nanocomposites. <i>World Journal of Engineering and Technology</i> , 2017, 05, 389-403.	0.5	6
39	Biodegradation of Halloysite Nanotubes-Polyester Nanocomposites Exposed to Short Term Seawater Immersion. <i>Polymers</i> , 2017, 9, 314.	4.5	5
40	Machinability analysis when drilling Kovar shape memory alloys. <i>Advances in Materials and Processing Technologies</i> , 2015, 1, 411-422.	1.4	4
41	Machinability investigation of polymer/GNP nanocomposites in micro-milling. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 119, 2341-2353.	3.0	4
42	Mould release technologies with regard to concrete surface finish. <i>Magazine of Concrete Research</i> , 2016, 68, 87-98.	2.0	3
43	Performance of a new hybrid cutting-abrasive tool for the machining of fibre reinforced polymer composites. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 112, 1101-1113.	3.0	3
44	Optimisation of cutting fluid concentration and operating parameters based on RSM for turning Ti-6Al-4V. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 117, 539-553.	3.0	3
45	Study of Air Pressure and Velocity for Solution Blow Spinning of Polyvinylidene Fluoride Nanofibres. <i>Processes</i> , 2021, 9, 1014.	2.8	2
46	Approach to breach face impression comparison based on the robust estimation of a correspondence function. <i>Forensic Science International</i> , 2022, 333, 111229.	2.2	2
47	Tool Life Analysis when Turning Ti-6Al-4V Using Vegetable Oil-Based Cutting Fluid. <i>Materials Science Forum</i> , 2017, 882, 36-40.	0.3	1
48	Machining of Nano-Structured Polymer Composites. <i>Engineering Materials</i> , 2021, , 369-394.	0.6	1
49	Finite element modelling of micromachining process for epoxy/graphene nanoplatelet nanocomposites. <i>Journal of Manufacturing Processes</i> , 2022, 77, 770-782.	5.9	1
50	Response surface method for optimisation of SLA processing parameters. <i>International Journal of Materials and Product Technology</i> , 2022, 64, 222.	0.2	1
51	An Investigation into the Dependency of Cutting Forces on the Volume Fraction and Fibre Orientation during Machining Composite Materials. <i>Materials Science Forum</i> , 0, 882, 61-65.	0.3	0