

Mohammed T Hayajneh

List of Publications by Year in descending order

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50
papers

1,370
citations

471061

17
h-index

360668

35
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all docs

52
docs citations

52
times ranked

1163
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical and Mechanical Inherent Characteristic Investigations of Various Jordanian Natural Fiber Species to Reveal Their Potential for Green Biomaterials. <i>Journal of Natural Fibers</i> , 2022, 19, 7199-7212.	1.7	25
2	Mechanical performance, thermal stability and morphological analysis of date palm fiber reinforced polypropylene composites toward functional bio-products. <i>Cellulose</i> , 2022, 29, 3293-3309.	2.4	48
3	Stress failure interface of cellulosic composite beam for more reliable industrial design. <i>International Journal on Interactive Design and Manufacturing</i> , 2022, 16, 1727-1738.	1.3	11
4	Revealing the intrinsic dielectric properties of mediterranean green fiber composites for sustainable functional products. <i>Journal of Industrial Textiles</i> , 2022, 51, 7732S-7754S.	1.1	16
5	Hybrid material performance assessment for rocket propulsion. <i>Journal of the Mechanical Behavior of Materials</i> , 2022, 31, 160-169.	0.7	3
6	A hierarchy weighting preferences model to optimise green composite characteristics for better sustainable bio-products. <i>International Journal of Sustainable Engineering</i> , 2021, 14, 1043-1048.	1.9	45
7	Hybrid green organic/inorganic filler polypropylene composites: Morphological study and mechanical performance investigations. <i>E-Polymers</i> , 2021, 21, 710-721.	1.3	25
8	Tribological and mechanical fracture performance of Mediterranean lignocellulosic fiber reinforced polypropylene composites. <i>Polymer Composites</i> , 2021, 42, 5501-5511.	2.3	26
9	Mechanical Properties and Corrosion Behavior of Stir Casted Composites of ZA-27 Alloy Reinforced with Al ₂ O ₃ Nanoparticles. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2021, 57, 974-983.	0.3	2
10	Investigation of mechanical and tribological properties of hybrid green eggshells and graphite-reinforced aluminum composites. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	0.8	19
11	Synthesis and characterization of ZA-27/SiC nanocomposites and study of its anticorrosion performance in a 3.5% NaCl medium. <i>Anti-Corrosion Methods and Materials</i> , 2020, 67, 321-329.	0.6	6
12	Applying Taguchi method to study the wear behaviour of ZA-27 alloy-based composites reinforced with SiC nanoparticles. <i>International Journal of Cast Metals Research</i> , 2019, 32, 229-241.	0.5	12
13	Effects of Waste Eggshells addition on Microstructures, Mechanical and Tribological Properties of Green Metal Matrix Composite. <i>Science and Engineering of Composite Materials</i> , 2019, 26, 423-434.	0.6	11
14	Corrosion evaluation of nanocomposite gelatin-forsterite coating applied on AISI 316 L stainless steel. <i>Materials Research Express</i> , 2019, 6, 116431.	0.8	4
15	Investigating the mechanical thermal and polymer interfacial characteristics of Jordanian lignocellulosic fibers to demonstrate their capabilities for sustainable green materials. <i>Journal of Cleaner Production</i> , 2019, 241, 118256.	4.6	58
16	Dielectric relaxation of mediterranean lignocellulosic fibers for sustainable functional biomaterials. <i>Materials Chemistry and Physics</i> , 2019, 229, 174-182.	2.0	40
17	The corrosion behavior of AISI 304 stainless steel spin coated with ZrO ₂ -gelatin nanocomposites. <i>Materials Research Express</i> , 2019, 6, 0965c4.	0.8	5
18	Corrosion Resistance of TiO ₂ -ZrO ₂ Nanocomposite Thin Films Spin Coated on AISI 304 Stainless Steel in 3.5 wt. % NaCl Solution. <i>Materials Research</i> , 2019, 22, .	0.6	13

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19	Enhancement the Corrosion Resistance of AISI 304 Stainless Steel by Nanocomposite Gelatin-Titanium Dioxide Coatings. <i>Manufacturing Technology</i> , 2019, 19, 759-766.	0.2	6
20	Corrosion investigation of zinc-aluminum alloy matrix (ZA-27) reinforced with alumina (Al_2O_3) and fly ash. <i>Particulate Science and Technology</i> , 2017, 35, 439-447.	1.1	19
21	Prediction and controlling of roundness during the BTA deep hole drilling process: Experimental investigations and fuzzy modeling. <i>Materialpruefung/Materials Testing</i> , 2017, 59, 284-289.	0.8	3
22	Tribological investigation of Zamak alloys reinforced with alumina (Al_2O_3) and fly ash. <i>Particulate Science and Technology</i> , 2016, 34, 317-323.	1.1	11
23	Effects of machining parameters and reinforcement content on thrust force during drilling of hybrid composites. <i>Materialpruefung/Materials Testing</i> , 2016, 58, 280-284.	0.8	4
24	Modelling decision making under risk and uncertainty by novel utility measures. <i>International Journal of Applied Decision Sciences</i> , 2015, 8, 179.	0.2	5
25	Dynamic modelling and analysis of whirling motion in BTA deep hole boring process. <i>International Journal of Machining and Machinability of Materials</i> , 2011, 10, 48.	0.1	6
26	A fuzzy multi-criteria decision making model for supplier selection. <i>Expert Systems With Applications</i> , 2011, 38, 8384-8391.	4.4	291
27	Monitoring defects of ceramic tiles using fuzzy subtractive clustering-based system identification method. <i>Soft Computing</i> , 2010, 14, 615-626.	2.1	6
28	Prediction of density, porosity and hardness in aluminum-copper-based composite materials using artificial neural network. <i>Journal of Materials Processing Technology</i> , 2009, 209, 894-899.	3.1	137
29	An investigation of bell mouching in precision hole machining with self-piloting tools. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 43, 22-32.	1.5	8
30	Wear behavior of Al-Mg-Cu-based composites containing SiC particles. <i>Tribology International</i> , 2009, 42, 1230-1238.	3.0	129
31	Prediction of tribological behavior of aluminum-copper based composite using artificial neural network. <i>Journal of Alloys and Compounds</i> , 2009, 470, 584-588.	2.8	74
32	Artificial neural network modeling of the drilling process of self-lubricated aluminum/alumina/graphite hybrid composites synthesized by powder metallurgy technique. <i>Journal of Alloys and Compounds</i> , 2009, 478, 559-565.	2.8	60
33	Development of a CAD/CAM system for simulating closed forging process using finite element method. <i>Engineering Computations</i> , 2009, 26, 302-312.	0.7	2
34	Wear behavior of Al-Cu and Al-Cu/SiC components produced by powder metallurgy. <i>Journal of Materials Science</i> , 2008, 43, 5368-5375.	1.7	50
35	Reductions of pendulations of overhead cranes under the effect of air resistance by a cable manipulation manner. , 2008, , .		3
36	Modelling the machinability of self-lubricated aluminium/alumina/graphite hybrid composites using a fuzzy subtractive clustering-based system identification method. <i>International Journal of Machining and Machinability of Materials</i> , 2008, 3, 252.	0.1	5

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37	Fuzzy logic controller for overhead cranes. <i>Engineering Computations</i> , 2006, 23, 84-98.	0.7	20
38	FUZZY CLUSTERING MODELLING FOR SURFACE FINISH PREDICTION IN FINE TURNING PROCESS. <i>Machining Science and Technology</i> , 2005, 9, 437-451.	1.4	5
39	Series Resistance Compensation in PTAT Temperature Sensors and Bandgap Reference Circuits. <i>International Journal of Electronics</i> , 2004, 91, 259-269.	0.9	2
40	A Fuzzy Gain Scheduling Scheme for the PI ^λ FD Controllers. <i>International Journal of Modelling and Simulation</i> , 2004, 24, 8-12.	2.3	0
41	Modeling Surface Finish in End Milling Using Fuzzy Subtractive Clustering-Based System Identification Method. <i>Materials and Manufacturing Processes</i> , 2003, 18, 653-665.	2.7	8
42	A modified PID controller (PI ^λ FD). <i>Journal of the Franklin Institute</i> , 2002, 339, 543-553.	1.9	11
43	The Effect of the Increase in Graphite Volumetric Percentage on the Strength and Hardness of Al-4 Weight Percent Mg-Graphite Composites. <i>Journal of Materials Engineering and Performance</i> , 2002, 11, 250-255.	1.2	9
44	HOLE QUALITY IN DEEP HOLE DRILLING. <i>Materials and Manufacturing Processes</i> , 2001, 16, 147-164.	2.7	30
45	Re-evaluation of the basic mechanics of orthogonal metal cutting: velocity diagram, virtual work equation and upper-bound theorem. <i>International Journal of Machine Tools and Manufacture</i> , 2001, 41, 393-418.	6.2	43
46	The Effect of Graphite Particles Addition on the Surface Finish of Machined Al-4 Wt.% Mg Alloys. <i>Journal of Materials Engineering and Performance</i> , 2001, 10, 521-525.	1.2	11
47	Statistical Analysis of the Effects of Machining Parameters and Workpiece Hardness on the Surface Finish of Machined Medium Carbon Steel. <i>Journal of Materials Engineering and Performance</i> , 2001, 10, 282-289.	1.2	8
48	SANDWICH STRUCTURE DELAMINATION OF RESIN TRANSFER MOLDING. <i>Materials and Manufacturing Processes</i> , 2001, 16, 27-45.	2.7	2
49	An Investigation for the Potential of Improving the Performance of Pattern Making Process in Steel Foundries: Case Study. <i>Applied Mechanics and Materials</i> , 0, 575, 900-904.	0.2	0
50	Eco-material selection using fuzzy TOPSIS method. <i>International Journal of Sustainable Engineering</i> , 0, 1-13.	1.9	22