Mostefa Bourchak

List of Publications by Year
in descending order

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42 papers	1,081 citations	516710 16 h-index	434195 31 g-index
44 all docs	44 docs citations	44 times ranked	739 citing authors

#	Article	IF	Citations
1	Synergy of RHA and silica sand on physico-mechanical and tribological properties of waste plasticâ€“reinforced thermoplastic composites as floor tiles. Environmental Science and Pollution Research, 2023, 30, 124566-124584.	5.3	13
2	Elaboration and Characterization of Flax Fiber Reinforced High Density Polyethylene Biocomposite: Effect of the Heating Rate on Thermo-mechanical Properties. Journal of Natural Fibers, 2022, 19, 3928-3941.	3.1	23
3	Statistical and Experimental Analysis of the Mechanical Properties of Flax Fibers. Journal of Natural Fibers, 2022, 19, 1387-1401.	3.1	14
4	The Effect of Alkaline Treatment on Mechanical Performance of Natural Fibers-Reinforced Plaster: Part II Optimization Comparison between ANN and RSM Statistics. Journal of Natural Fibers, 2022, 19, 8367-8382.	3.1	16
5	The Effect of Geometry on the Flexural Properties of Cellular Structures Reinforced with Natural Fibres: Statistical Approach. Journal of Natural Fibers, 2022, 19, 8448-8462.	3.1	9
6	Comparative study of flexural properties prediction of Washingtonia filifera rachis biochar bio-mortar by ANN and RSM models. Construction and Building Materials, 2022, 318, 125985.	7.2	34
7	Extraction and Characterization of a New Lignocellulosic Fiber from Yucca Treculeana L. Leaf as Potential Reinforcement for Industrial Biocomposites. Journal of Natural Fibers, 2022, 19, 12235-12250.	3.1	16
8	Systematic Review on Reinforcing Mortars with Natural Fibers: Challenges of Environment-Friendly Option. Journal of Natural Fibers, 2022, 19, 14262-14286.	3.1	14
9	Structural, thermal, mechanical and physical properties of Washingtonia filifera fibres reinforced thermoplastic biocomposites. Materials Today Communications, 2022, 31, 103574.	1.9	18
10	Tensile Behavior and Statistical Analysis of Washingtonia Filifera Fibers as Potential Reinforcement for Industrial Polymer Biocomposites. Journal of Natural Fibers, 2022, 19, 14839-14854.	3.1	11
11	The Effect of Alkaline Treatment on Mechanical Performance of Natural Fibers-reinforced Plaster: Optimization Using RSM. Journal of Natural Fibers, 2021, 18, 2220-2240.	3.1	40
12	Improving the mechanical performance of biocomposite plaster/ Washingtonian filifira fibres using the RSM method. Journal of Building Engineering, 2021, 33, 101840.	3.4	33
13	Experimental investigation and optimization of delamination factors in the drilling of jute fiberâ€“reinforced polymer biocomposites with multiple estimators. International Journal of Advanced Manufacturing Technology, 2021, 116, 2885-2907.	3.0	19
14	Drilling of a bidirectional jute fibre and cork-reinforced polymer biosandwich structure: ANN and RSM approaches for modelling and optimization. International Journal of Advanced Manufacturing Technology, 2021, 117, 3819-3839.	3.0	12
15	Effect of eco-friendly chemical sodium bicarbonate treatment on the mechanical properties of flax fibres: Weibull statistics. International Journal of Advanced Manufacturing Technology, 2020, 106, 1753-1774.	3.0	33
16	Mechanical and drilling performance of short jute fibre-reinforced polymer biocomposites: statistical approach. International Journal of Advanced Manufacturing Technology, 2020, 106, 1989-2006.	3.0	31
17	Mechanical characterization and optimization of delamination factor in drilling bidirectional jute fibre-reinforced polymer biocomposites. International Journal of Advanced Manufacturing Technology, 2020, 111, 2073-2094.	3.0	38
18	Behaviour of lignocellulosic fibre-reinforced cellular core under low-velocity impact loading: Taguchi method. International Journal of Advanced Manufacturing Technology, 2020, 108, 223-233.	3.0	26

#	Article	IF	Citations
19	Determining the Tensile Properties and Dispersion Characterization of CNTs in Epoxy Using Tem and Raman Spectroscopy. Mechanics of Composite Materials, 2020, 56, 215-226.	1.4	7
20	Tensile Properties of Graphene-Based Nanocomposites: a Comparative Study of Ultrasonication and Microcompounding Processing Methods. Mechanics of Composite Materials, 2019, 55, 617-626.	1.4	6
21	Damage assessment of random multiwalled carbon nanotube-reinforced polymer nanocomposites. Science and Engineering of Composite Materials, 2018, 25, 847-853.	1.4	0
22	Effect of SWCNTs and graphene on the fatigue behavior of antisymmetric GFRP laminate. Composites Science and Technology, 2018, 167, 164-173.	7.8	31
23	Polymer composite reinforced with nanoparticles produced from graphitic carbon-rich fly ash. Journal of Composite Materials, 2017, 51, 2675-2685.	2.4	6
24	Mechanical properties of vegetal yarn: Statistical approach. Composites Part B: Engineering, 2016, 106, 139-153.	12.0	43
25	Multi-axial mechanical characterization of jute fiber/polyester composite materials. Composites Part B: Engineering, 2016, 90, 450-456.	12.0	48
26	Span morphing using the GNATSpar wing. Aerospace Science and Technology, 2016, 53, 38-46.	4.8	47
27	Optimum design of a PID controller for the adaptive torsion wing. Aeronautical Journal, 2015, 119, 871-889.	1.6	1
28	Failure Analysis in Hybrid Composite Laminates Using Acoustic Emission and Microscopy. , 2015, , .		0
29	Twist Morphing Using the Variable Cross Section Spar: Feasibility Study. Journal of Aerospace Engineering, 2015, 28, 04014146.	1.4	1
30	Assessment of Liquid Resin Infusion Impregnation Quality Using Scanning Electron Microscopy. Advanced Composites Letters, 2015, 24, 096369351502400.	1.3	1
31	Analytical and experimental investigation of tensile properties of cross-ply and angle-ply GFRP composite laminates. Science and Engineering of Composite Materials, 2015, 22, 297-301.	1.4	4
32	LEFM to Investigate the Impact of Deteriorated Particles in Composite Material. , 2015, , .		1
33	Design and Analysis of a Morphing Composite Airfoil Using Unbalanced Layup and Unconventional Ply Angles. Transactions of the Japan Society for Aeronautical and Space Sciences, 2014, 57, 79-85.	0.7	4
34	Thermochemical and statistical mechanical properties of natural sisal fibres. Composites Part B: Engineering, 2014, 67, 481-489.	12.0	69
35	Novel extraction techniques, chemical and mechanical characterisation of Agave americana L. natural fibres. Composites Part B: Engineering, 2014, 66, 194-203.	12.0	149
36	Tensile static and fatigue behaviour of sisal fibres. Materials & Design, 2013, 46, 76-83.	5.1	116

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37	Effect of Preheating and Post-Curing Time on the Mechanical Properties of Epoxy Resin. Advanced Composites Letters, 2013, 22, 096369351302200.	1.3	7
38	Effect of Finite Element Mesh and Load Location on the Stress and Deflection of a Light Aircraft Metal Wing Structure. Transactions of the Japan Society for Aeronautical and Space Sciences, 2013, 56, 70-74.	0.7	1
39	Acoustic Emission Characterization of Matrix Damage Initiation in Woven CFRP Composites. Materials Sciences and Applications, 2013, 04, 509-515.	0.4	3
40	Predicament in Repairing Aircraft Primary Composite Structures. Transactions of the Japan Society for Aeronautical and Space Sciences, 2013, 56, 312-314.	0.7	0
41	Nanocomposites damage characterisation using finite element analysis. International Journal of Nanoparticles, 2009, 2, 467.	0.3	2
42	Acoustic emission energy as a fatigue damage parameter for CFRP composites. International Journal of Fatigue, 2007, 29, 457-470.	5.7	131