

Mostefa Bourchak

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2963940/publications.pdf>

Version: 2024-02-01

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	Novel extraction techniques, chemical and mechanical characterisation of Agave americana L. natural fibres. Composites Part B: Engineering, 2014, 66, 194-203.	12.0	149
2	Acoustic emission energy as a fatigue damage parameter for CFRP composites. International Journal of Fatigue, 2007, 29, 457-470.	5.7	131
3	Tensile static and fatigue behaviour of sisal fibres. Materials & Design, 2013, 46, 76-83.	5.1	116
4	Thermochemical and statistical mechanical properties of natural sisal fibres. Composites Part B: Engineering, 2014, 67, 481-489.	12.0	69
5	Multi-axial mechanical characterization of jute fiber/polyester composite materials. Composites Part B: Engineering, 2016, 90, 450-456.	12.0	48
6	Span morphing using the GNATSpar wing. Aerospace Science and Technology, 2016, 53, 38-46.	4.8	47
7	Mechanical properties of vegetal yarn: Statistical approach. Composites Part B: Engineering, 2016, 106, 139-153.	12.0	43
8	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
9	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
10	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
11	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
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	Effect of SWCNTs and graphene on the fatigue behavior of antisymmetric GFRP laminate. Composites Science and Technology, 2018, 167, 164-173.	7.8	31
14	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
15	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
16	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
17	Experimental investigation and optimization of delamination factors in the drilling of jute fiber-reinforced polymer biocomposites with multiple estimators. International Journal of Advanced Manufacturing Technology, 2021, 116, 2885-2907.	3.0	19
18	Structural, thermal, mechanical and physical properties of Washingtonia filifera fibres reinforced thermoplastic biocomposites. Materials Today Communications, 2022, 31, 103574.	1.9	18

#	ARTICLE	IF	CITATIONS
19	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
20	Extraction and Characterization of a New Lignocellulosic Fiber from <i>Yucca Treculeana L.</i> Leaf as Potential Reinforcement for Industrial Biocomposites. Journal of Natural Fibers, 2022, 19, 12235-12250.	3.1	16
21	Statistical and Experimental Analysis of the Mechanical Properties of Flax Fibers. Journal of Natural Fibers, 2022, 19, 1387-1401.	3.1	14
22	Systematic Review on Reinforcing Mortars with Natural Fibers: Challenges of Environment-Friendly Option. Journal of Natural Fibers, 2022, 19, 14262-14286.	3.1	14
23	Synergy of RHA and silica sand on physico-mechanical and tribological properties of waste plastic-reinforced thermoplastic composites as floor tiles. Environmental Science and Pollution Research, 2023, 30, 124566-124584.	5.3	13
24	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
25	Tensile Behavior and Statistical Analysis of <i>Washingtonia Filifera</i> Fibers as Potential Reinforcement for Industrial Polymer Biocomposites. Journal of Natural Fibers, 2022, 19, 14839-14854.	3.1	11
26	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
27	Effect of Preheating and Post-Curing Time on the Mechanical Properties of Epoxy Resin. Advanced Composites Letters, 2013, 22, 096369351302200.	1.3	7
28	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
29	Polymer composite reinforced with nanoparticles produced from graphitic carbon-rich fly ash. Journal of Composite Materials, 2017, 51, 2675-2685.	2.4	6
30	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
31	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
32	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
33	Acoustic Emission Characterization of Matrix Damage Initiation in Woven CFRP Composites. Materials Sciences and Applications, 2013, 04, 509-515.	0.4	3
34	Nanocomposites damage characterisation using finite element analysis. International Journal of Nanoparticles, 2009, 2, 467.	0.3	2
35	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
36	Optimum design of a PID controller for the adaptive torsion wing. Aeronautical Journal, 2015, 119, 871-889.	1.6	1

#	ARTICLE	IF	CITATIONS
37	Twist Morphing Using the Variable Cross Section Spar: Feasibility Study. Journal of Aerospace Engineering, 2015, 28, 04014146.	1.4	1
38	Assessment of Liquid Resin Infusion Impregnation Quality Using Scanning Electron Microscopy. Advanced Composites Letters, 2015, 24, 096369351502400.	1.3	1
39	LEFM to Investigate the Impact of Deteriorated Particles in Composite Material. , 2015, , .		1
40	Failure Analysis in Hybrid Composite Laminates Using Acoustic Emission and Microscopy. , 2015, , .		0
41	Damage assessment of random multiwalled carbon nanotube-reinforced polymer nanocomposites. Science and Engineering of Composite Materials, 2018, 25, 847-853.	1.4	0
42	Predicament in Repairing Aircraft Primary Composite Structures. Transactions of the Japan Society for Aeronautical and Space Sciences, 2013, 56, 312-314.	0.7	0