

A Torres Marques

List of Publications by Year in descending order

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67
papers

1,593
citations

361413

20
h-index

315739

38
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71
all docs

71
docs citations

71
times ranked

1819
citing authors

#	ARTICLE	IF	CITATIONS
1	Drilling tool geometry evaluation for reinforced composite laminates. <i>Composite Structures</i> , 2010, 92, 1545-1550.	5.8	219
2	Mechanical study of PLA/PCL fibers during in vitro degradation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2011, 4, 451-460.	3.1	205
3	Delamination analysis of carbon fibre reinforced laminates: Evaluation of a special step drill. <i>Composites Science and Technology</i> , 2009, 69, 2376-2382.	7.8	137
4	Development of ligament tissue biodegradable devices: A review. <i>Journal of Biomechanics</i> , 2009, 42, 2421-2430.	2.1	112
5	From mechanical stimulus to bone formation: A review. <i>Medical Engineering and Physics</i> , 2015, 37, 719-728.	1.7	100
6	Round-robin interlaminar fracture testing of carbon-fibre-reinforced epoxy and PEEK composites. <i>Composites Science and Technology</i> , 1992, 43, 129-136.	7.8	90
7	A review on fibre reinforced composite printing via FFF. <i>Rapid Prototyping Journal</i> , 2019, 25, 972-988.	3.2	51
8	A New Piezoelectric Actuator Induces Bone Formation <i>In Vivo</i> : A Preliminary Study. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-7.	3.0	48
9	Polymeric piezoelectric actuator substrate for osteoblast mechanical stimulation. <i>Journal of Biomechanics</i> , 2010, 43, 1061-1066.	2.1	39
10	Comparative analysis of drills for composite laminates. <i>Journal of Composite Materials</i> , 2012, 46, 1649-1659.	2.4	37
11	Load sharing ability of the liner in type III composite pressure vessels under internal pressure. <i>Journal of Reinforced Plastics and Composites</i> , 2014, 33, 2274-2286.	3.1	37
12	Intramedullary nailing biomechanics: Evolution and challenges. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2019, 233, 295-308.	1.8	37
13	Prediction of long-term behaviour of composite materials. <i>Computers and Structures</i> , 2000, 76, 183-194.	4.4	35
14	Fabrication of a strain sensor for bone implant failure detection based on piezoresistive doped nanocrystalline silicon. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 2585-2589.	3.1	25
15	Characterization of composite bonded joints under pure mode II fatigue loading. <i>Composite Structures</i> , 2013, 95, 222-226.	5.8	25
16	Damage analysis of carbon/epoxy plates after drilling. <i>International Journal of Materials and Product Technology</i> , 2008, 32, 226.	0.2	24
17	Reliability based design with a degradation model of laminated composite structures. <i>Structural Optimization</i> , 1996, 12, 16-28.	0.6	23
18	Health and Safety Concerns Related to CNT and Graphene Products, and Related Composites. <i>Journal of Composites Science</i> , 2020, 4, 106.	3.0	23

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19	Tool Effects on Hybrid Laminates Drilling. <i>Materials and Manufacturing Processes</i> , 2010, 25, 476-481.	4.7	22
20	Effect of natural and artificial weathering on the long-term flexural performance of polymer mortars. <i>Mechanics of Composite Materials</i> , 2009, 45, 515-526.	1.4	21
21	Towards an effective sensing technology to monitor micro-scale interface loosening of bioelectronic implants. <i>Scientific Reports</i> , 2021, 11, 3449.	3.3	18
22	Recent developments on intramedullary nailing: a biomechanical perspective. <i>Annals of the New York Academy of Sciences</i> , 2017, 1408, 20-31.	3.8	16
23	Mode II Interlaminar Fracture of Filament Wound Angle-ply Specimens. <i>Applied Composite Materials</i> , 2002, 9, 117-129.	2.5	15
24	Occupational Accidents Related to Heavy Machinery: A Systematic Review. <i>Safety</i> , 2021, 7, 21.	1.7	15
25	Production and processing of pre-impregnated thermoplastic tapes by pultrusion and compression moulding. <i>Journal of Composite Materials</i> , 2022, 56, 1667-1676.	2.4	15
26	Advances in Thermoplastic Matrix Towpregs Processing. <i>Journal of Thermoplastic Composite Materials</i> , 2004, 17, 523-544.	4.2	14
27	Bone: An Outstanding Composite Material. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3381.	2.5	14
28	Wearable sensor networks supported by mobile devices for fall detection. , 2014, , .		12
29	Potential of Grapheneâ€“Polymer Composites for Ligament and Tendon Repair: A Review. <i>Advanced Engineering Materials</i> , 2020, 22, 2000492.	3.5	12
30	New Powder Coating Equipment to Produce Continuous Fibre Thermoplastic Matrix Towpregs. <i>Materials Science Forum</i> , 2008, 587-588, 246-250.	0.3	11
31	Behaviour of Cement and Polymer Mortar Materials to Rapid Freeze-Thaw Cycling. <i>Materials Science Forum</i> , 0, 636-637, 1329-1335.	0.3	11
32	Drilling of Fibre Reinforced Plastic Laminates. <i>Materials Science Forum</i> , 0, 587-588, 706-710.	0.3	8
33	New thermoplastic matrix composites for demanding applications. <i>Plastics, Rubber and Composites</i> , 2009, 38, 167-172.	2.0	8
34	Occupational Accidents in the Mining Industryâ€“A Short Review. <i>Studies in Systems, Decision and Control</i> , 2019, , 61-69.	1.0	8
35	Multilevel optimization of laminated composite structures. <i>Structural Optimization</i> , 1994, 7, 55-60.	0.6	7
36	Analysis of reinforced concrete with external composite strengthening. <i>Composites Part B: Engineering</i> , 2000, 31, 527-534.	12.0	6

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37	Tailored Blank Technology: A One-Step-Process. Journal of Thermoplastic Composite Materials, 2002, 15, 355-371.	4.2	6
38	Single Filament Mechanical Characterisation of Hemp Fibres for Reinforcing Composite Materials. Molecular Crystals and Liquid Crystals, 2004, 418, 87-99.	0.9	6
39	GF/PP towpregs production, testing and processing. International Journal of Mechanics and Materials in Design, 2008, 4, 205-211.	3.0	6
40	Modeling the rheology of SR1500 and LY556 epoxies under manufacturer's recommended cure cycles after viscosimetry and rheometry characterization. Polymer Engineering and Science, 2014, 54, 831-839.	3.1	6
41	Interlaminar fracture studies in Portugal: past, present and future. Fatigue and Fracture of Engineering Materials and Structures, 2004, 27, 767-773.	3.4	5
42	Evidence of occupational accidents with equipment in mining – a systematic review protocol. International Journal of Occupational and Environmental Safety, 2018, 2, 84-88.	0.5	5
43	New PVC Matrix Towpregs and Composites. Materials Science Forum, 2008, 587-588, 241-245.	0.3	4
44	Thermoplastic matrix towpreg production. Advances in Polymer Technology, 2010, 29, 80-85.	1.7	4
45	Development of a Pultrusion Die for the Production of Thermoplastic Composite Filaments to Be Used in Additive Manufacture. Journal of Composites Science, 2021, 5, 120.	3.0	4
46	Creep/Creep-Recovery Response of Fibredux 920C-TS-5-42 Composite under Flexural Loading. Applied Composite Materials, 1999, 6, 71-86.	2.5	3
47	Production of Thermoplastic Towpregs and Towpreg-Based Composites. , 2005, , 189-213.		3
48	Mechanical Behaviour Analysis of Polymer Mortars Reinforced with Jute and Piassava Natural Fibres under Alkaline Environments. Materials Science Forum, 0, 636-637, 239-244.	0.3	3
49	Drilling of Carbon Fibre Reinforced Laminates – A Comparative Analysis of Five Different Drills on Thrust Force, Roughness and Delamination. Materials Science Forum, 0, 636-637, 206-213.	0.3	3
50	Methodology for Bone – Implant Stiffness Evaluation. Experimental Mechanics, 2020, 60, 1251-1263.	2.0	2
51	4D structures for the short-time building of emergency shelters. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2022, 236, 1869-1894.	1.1	2
52	Consolidation of Glass Fibre-Polypropylene Towpregs by Compression Moulding. Materials Science Forum, 2006, 514-516, 677-681.	0.3	1
53	DEGRADATION CHARACTERIZATION OF ALIPHATIC POLYESTERS – IN VITRO STUDY. AIP Conference Proceedings, 2008, , .	0.4	1
54	Evaluation of Tools and Cutting Conditions on Carbon Fibre Reinforced Laminates. Materials Science Forum, 2010, 638-642, 944-949.	0.3	1

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55	Production of Thermoplastic Towpregs. Materials Science Forum, 0, 636-637, 220-225.	0.3	1
56	Impact of the geometry of inclusions at the micro-scale on the overall stochastic properties. Mechanics of Advanced Materials and Structures, 2016, 23, 117-127.	2.6	1
57	Composites for Life. U Porto Journal of Engineering, 2021, 7, 37-51.	0.4	1
58	4D Numerical Analysis of Scaffolds: A New Approach. Computational Methods in Applied Sciences (Springer), 2014, , 69-95.	0.3	1
59	State-of-the-Art Review and Roadmap. Advanced Structured Materials, 2020, , 1-56.	0.5	1
60	Development and Characterization of Bulk and Epoxy Molding Compounds from Non-Metallic Fractions Recovered from Printed Circuit Boards. , 0, , .		1
61	Fracture mechanics concepts and structural integrity of filament wound pipes. European Structural Integrity Society, 2000, 26, 253-261.	0.1	0
62	Glass/Polyvinyl Chloride Composites. Materials Science Forum, 2010, 636-637, 214-219.	0.3	0
63	International Conference on Natural Fibersâ€™ Sustainable Materials for Advanced Applications 2013. Conference Papers in Materials Science, 2013, 2013, 1-1.	0.1	0
64	How to Prevent the Risk of Slipping in Kitchens?â€™A Short Review. Studies in Systems, Decision and Control, 2019, , 89-96.	1.0	0
65	Methods for Measuring Association between Intervention for Increasing Movement and Productivity. U Porto Journal of Engineering, 2018, 4, 27-41.	0.4	0
66	Hand Tools Characteristics in Slave and Modern Slave Labour. Studies in Systems, Decision and Control, 2020, , 697-704.	1.0	0
67	Development and Characterization of Composite Mortar from Non-Metallic Fractions Recovered from Printed Circuit Boards under Thermal Fatigue. , 0, , .		0