

Ral Manuel Esteves Sousa Figueiro

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169
papers

2,866
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185
ext. papers

3,619
ext. citations

3.2
avg, IF

5.84
L-index

#	Paper	IF	Citations
169	A Review on Nanomaterial Dispersion, Microstructure, and Mechanical Properties of Carbon Nanotube and Nanofiber Reinforced Cementitious Composites. <i>Journal of Nanomaterials</i> , 2013 , 2013, 1-19	3.2	207
168	Microstructure and mechanical properties of carbon nanotube reinforced cementitious composites developed using a novel dispersion technique. <i>Cement and Concrete Research</i> , 2015 , 73, 215-227	10.3	167
167	Physical Modification of Natural Fibers and Thermoplastic Films for Composites [A Review]. <i>Journal of Thermoplastic Composite Materials</i> , 2009 , 22, 135-162	1.9	158
166	Surface Modification of Natural Fibers: A Review. <i>Procedia Engineering</i> , 2016 , 155, 285-288		116
165	Biopolymers in Medical Implants: A Brief Review. <i>Procedia Engineering</i> , 2017 , 200, 236-243		111
164	Mechanical performance of natural fiber-reinforced composites for the strengthening of masonry. <i>Composites Part B: Engineering</i> , 2015 , 77, 74-83	10	105
163	Hybrid Yarns and Textile Preforming for Thermoplastic Composites. <i>Textile Progress</i> , 2006 , 38, 1-71	2.9	67
162	Application of warp-knitted spacer fabrics in car seats. <i>Journal of the Textile Institute</i> , 2007 , 98, 337-344	1.5	66
161	Effect of fibre diameter and cross-sectional shape on moisture transmission through fabrics. <i>Fibers and Polymers</i> , 2008 , 9, 225-231	2	65
160	Development of novel auxetic structures based on braided composites. <i>Materials & Design</i> , 2014 , 61, 286-295		62
159	A review on smart self-sensing composite materials for civil engineering applications. <i>AIMS Materials Science</i> , 2016 , 3, 357-379	1.9	54
158	In-plane behavior of cavity masonry infills and strengthening with textile reinforced mortar. <i>Engineering Structures</i> , 2018 , 156, 145-160	4.7	48
157	Recycling of biomass and coal fly ash as cement replacement material and its effect on hydration and carbonation of concrete. <i>Waste Management</i> , 2019 , 94, 39-48	8.6	45
156	Surface modification of natural fibers in polymer composites 2019 , 3-41		44
155	Properties and controlled release of chitosan microencapsulated limonene oil. <i>Revista Brasileira De Farmacognosia</i> , 2014 , 24, 691-698	2	43
154	Development of novel auxetic textile structures using high performance fibres. <i>Materials and Design</i> , 2016 , 106, 81-89	8.1	40
153	Tensile behavior of PVC-coated woven membrane materials under uni- and bi-axial loads. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 2038-2044	2.9	39

152	Surface Modification of Banana Fibers by DBD Plasma Treatment. <i>Plasma Chemistry and Plasma Processing</i> , 2012 , 32, 259-273	3.6	38
151	PLA Composites Reinforced with Flax and Jute Fibers-A Review of Recent Trends, Processing Parameters and Mechanical Properties. <i>Polymers</i> , 2020 , 12,	4.5	38
150	Multifunctional Flax Fibres Based on the Combined Effect of Silver and Zinc Oxide (Ag/ZnO) Nanostructures. <i>Nanomaterials</i> , 2018 , 8,	5.4	34
149	A novel approach of developing micro crystalline cellulose reinforced cementitious composites with enhanced microstructure and mechanical performance. <i>Cement and Concrete Composites</i> , 2017 , 78, 146-161	8.6	33
148	Theoretical Analysis of Load-Extension Properties of Plain Weft Knits Made from High Performance Yarns for Composite Reinforcement. <i>Textile Reseach Journal</i> , 2002 , 72, 991-996	1.7	32
147	Tribological properties of the directionally oriented warp knit GFRP composites. <i>Wear</i> , 2007 , 263, 930-938	3.5	29
146	Influence of design parameters on the mechanical behavior and porosity of braided fibrous stents. <i>Materials and Design</i> , 2015 , 86, 237-247	8.1	28
145	Experimental assessment of an innovative strengthening material for brick masonry infills. <i>Composites Part B: Engineering</i> , 2015 , 80, 328-342	10	28
144	Mechanical behavior of novel sandwich composite panels based on 3D-knitted spacer fabrics. <i>Journal of Reinforced Plastics and Composites</i> , 2012 , 31, 95-105	2.9	28
143	Development and characterization of novel auxetic structures based on re-entrant hexagon design produced from braided composites. <i>Composites Part B: Engineering</i> , 2016 , 93, 132-142	10	27
142	Effect of multiscale reinforcement on the mechanical properties and microstructure of microcrystalline cellulose-carbon nanotube reinforced cementitious composites. <i>Composites Part B: Engineering</i> , 2018 , 149, 122-134	10	27
141	Studies on moisture transmission properties of PV-blended fabrics. <i>Journal of the Textile Institute</i> , 2009 , 100, 588-597	1.5	26
140	Development of mathematical model to predict vertical wicking behaviour. Part I: flow through yarn. <i>Journal of the Textile Institute</i> , 2011 , 102, 957-970	1.5	25
139	Immobilization of papain enzyme on a hybrid support containing zinc oxide nanoparticles and chitosan for clinical applications. <i>Carbohydrate Polymers</i> , 2020 , 243, 116498	10.3	24
138	Active natural-based films for food packaging applications: The combined effect of chitosan and nanocellulose. <i>International Journal of Biological Macromolecules</i> , 2021 , 177, 241-251	7.9	24
137	Development, characterization and analysis of auxetic structures from braided composites and study the influence of material and structural parameters. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016 , 87, 86-97	8.4	24
136	Ultrasonic dispersion of micro crystalline cellulose for developing cementitious composites with excellent strength and stiffness. <i>Industrial Crops and Products</i> , 2018 , 122, 156-165	5.9	23
135	Characterizing dispersion and long term stability of concentrated carbon nanotube aqueous suspensions for fabricating ductile cementitious composites. <i>Powder Technology</i> , 2017 , 307, 1-9	5.2	23

134	Characterization of Physical, Mechanical and Chemical Properties of Quiscal Fibres: The Influence of Atmospheric DBD Plasma Treatment. <i>Plasma Chemistry and Plasma Processing</i> , 2015 , 35, 863-878	3.6	22
133	Mechanical Properties of Composite Materials Made of 3D Stitched Woven-knitted Preforms. <i>Journal of Composite Materials</i> , 2010 , 44, 1753-1767	2.7	22
132	Mechanical performance of thermoplastic olefin composites reinforced with coir and sisal natural fibers: Influence of surface pretreatment. <i>Polymer Composites</i> , 2019 , 40, 3472-3481	3	21
131	Study of moisture absorption characteristics of cotton terry towel fabrics. <i>Procedia Engineering</i> , 2017 , 200, 389-398		21
130	Characterization of thermal and acoustic insulation of chicken feather reinforced composites. <i>Procedia Engineering</i> , 2017 , 200, 472-479		21
129	Development of weft-knitted and braided polypropylene stents for arterial implant. <i>Journal of the Textile Institute</i> , 2010 , 101, 1027-1034	1.5	21
128	Fibrous and composite materials for blast protection of structural elements: A state-of-the-art review. <i>Journal of Reinforced Plastics and Composites</i> , 2013 , 32, 1477-1500	2.9	20
127	Influence of oxygen content on the antibacterial effect of Ag-O coatings deposited by magnetron sputtering. <i>Surface and Coatings Technology</i> , 2016 , 305, 1-10	4.4	20
126	Chitosan/nanocellulose electrospun fibers with enhanced antibacterial and antifungal activity for wound dressing applications. <i>Reactive and Functional Polymers</i> , 2021 , 159, 104808	4.6	20
125	Mechanical and thermal transmission properties of carbon nanofiber-dispersed carbon/phenolic multiscale composites. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 2383-2392	2.9	19
124	Influence of Preform Interlacement on the Low Velocity Impact Behavior of Multilayer Textile Composites. <i>Journal of Industrial Textiles</i> , 2010 , 40, 171-185	1.6	18
123	A green approach of improving interface and performance of plant fibre composites using microcrystalline cellulose. <i>Carbohydrate Polymers</i> , 2018 , 197, 137-146	10.3	18
122	Influence of surface treatments on the mechanical properties of fibre reinforced thermoplastic composites. <i>Procedia Engineering</i> , 2017 , 200, 465-471		17
121	Studies on Preform Properties of Multilayer Interlocked Woven Structures Using Fabric Geometrical Factors. <i>Journal of Industrial Textiles</i> , 2010 , 39, 327-346	1.6	17
120	Hollow Polypropylene Yarns as a Biomimetic Brain Phantom for the Validation of High-Definition Fiber Tractography Imaging. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 29960-29967	9.5	17
119	Effect of carbon nanofiber functionalization on the in-plane mechanical properties of carbon/epoxy multiscale composites. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 1951-1958	2.9	16
118	An Effective Method for Hybrid CNT/GNP Dispersion and Its Effects on the Mechanical, Microstructural, Thermal, and Electrical Properties of Multifunctional Cementitious Composites. <i>Journal of Nanomaterials</i> , 2020 , 2020, 1-20	3.2	16
117	Potential of Cellulose Microfibers for PHA and PLA Biopolymers Reinforcement. <i>Molecules</i> , 2020 , 25,	4.8	15

116	Searching for Natural Conductive Fibrous Structures via a Green Sustainable Approach Based on Jute Fibers and Silver Nanoparticles. <i>Polymers</i> , 2018 , 10,	4.5	14
115	Regenerated Cellulosic Fibers and Their Implications on Sustainability 2014 , 239-276		14
114	Tribological behaviour of multilayered textile composites: The effect of reciprocating sliding frequency. <i>Wear</i> , 2009 , 267, 26-33	3.5	13
113	Ultra-Sensitive Affordable Cementitious Composite with High Mechanical and Microstructural Performances by Hybrid CNT/GNP. <i>Materials</i> , 2020 , 13,	3.5	12
112	A Study on the Durability Properties of Textile Membranes for Architectural Purposes. <i>Procedia Engineering</i> , 2016 , 155, 230-237		12
111	A facile approach of developing micro crystalline cellulose reinforced cementitious composites with improved microstructure and mechanical performance. <i>Powder Technology</i> , 2018 , 338, 654-663	5.2	11
110	Natural Plant Fibers: Production, Processing, Properties and Their Sustainability Parameters 2014 , 1-35		11
109	Silk-Ion Jelly: a novel ion conducting polymeric material with high conductivity and excellent mechanical stability. <i>Polymers for Advanced Technologies</i> , 2013 , 24, 191-196	3.2	11
108	Mathematical model to predict vertical wicking behaviour. Part II: flow through woven fabric. <i>Journal of the Textile Institute</i> , 2011 , 102, 971-981	1.5	11
107	Evaluation of CNT/GNP synergic effects on the Mechanical, Microstructural, and durability properties of a cementitious composite by the novel dispersion method. <i>Construction and Building Materials</i> , 2020 , 260, 120486	6.7	11
106	Comfort and Infection Control of Chitosan-impregnated Cotton Gauze as Wound Dressing. <i>Fibers and Polymers</i> , 2019 , 20, 922-932	2	10
105	Development of hybrid braided composite rods for reinforcement and health monitoring of structures. <i>Scientific World Journal, The</i> , 2014 , 2014, 170187	2.2	10
104	High-performance composite with negative Poisson's ratio. <i>Journal of Materials Research</i> , 2017 , 32, 3477-3484	2.5	9
103	Macro- and nanodimensional plant fiber reinforcements for cementitious composites 2017 , 343-382		9
102	Experimental Behavior of Natural Fiber-Based Composites Used for Strengthening Masonry Structures. <i>Conference Papers in Materials Science</i> , 2013 , 2013, 1-6		9
101	Weft-knitted structures for industrial applications 2011 , 136-170		9
100	The Potential of Graphene Nanoplatelets in the Development of Smart and Multifunctional Eco-composites. <i>Polymers</i> , 2020 , 12,	4.5	9
99	Micro-structure and mechanical properties of microcrystalline cellulose-sisal fiber reinforced cementitious composites developed using cetyltrimethylammonium bromide as the dispersing agent. <i>Cellulose</i> , 2021 , 28, 1663-1686	5.5	9

98	Characterization of functional single jersey knitted fabrics using non-conventional yarns for sportswear. <i>Textile Reseach Journal</i> , 2018 , 88, 275-292	1.7	8
97	Superhydrophobic cotton fabrics based on ZnO nanoparticles functionalization. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	8
96	Processing and performance of carbon/epoxy multi-scale composites containing carbon nanofibres and single walled carbon nanotubes. <i>Journal of Polymer Research</i> , 2013 , 20, 1	2.7	8
95	Braided composite rods: Innovative fibrous materials for geotechnical applications. <i>Geomechanics and Engineering</i> , 2013 , 5, 87-97		8
94	Biomedical Applications of Nanocellulose. <i>RILEM Bookseries</i> , 2016 , 155-169	0.5	8
93	Mechanical and micro-structural investigation of multi-scale cementitious composites developed using sisal fibres and microcrystalline cellulose. <i>Industrial Crops and Products</i> , 2020 , 158, 112912	5.9	8
92	Preparation and Characterization of Electrospun Double-layered Nanocomposites Membranes as a Carrier for (L.). <i>Polymers</i> , 2020 , 12,	4.5	8
91	L. Incorporated Emulsion Electrospun PCL/PVA_PEC Nanofibrous Meshes for Antibacterial Wound Dressing Applications. <i>Nanomaterials</i> , 2021 , 11,	5.4	8
90	New Textile for Personal Protective Equipment Plasma Chitosan/Silver Nanoparticles Nylon Fabric. <i>Fibers</i> , 2021 , 9, 3	3.7	8
89	Smart and Sustainable Materials for Military Applications Based on Natural Fibres and Silver Nanoparticles. <i>Key Engineering Materials</i> , 2019 , 812, 66-74	0.4	7
88	Biodegradation Studies of Textiles and Clothing Products 2014 , 83-123		7
87	Energy absorption from composite reinforced with high performance auxetic textile structure. <i>Journal of Composite Materials</i> , 2021 , 55, 1003-1013	2.7	7
86	Excellent bonding behaviour of novel surface-tailored fibre composite rods with cementitious matrix. <i>Bulletin of Materials Science</i> , 2014 , 37, 1013-1016	1.7	6
85	Acoustical Behavior of Hybrid Composite Sandwich Panels. <i>Key Engineering Materials</i> , 2014 , 634, 455-464.	0.4	6
84	Biosynthetic Fibers: Production, Processing, Properties and Their Sustainability Parameters 2014 , 109-138		6
83	In-situ synthesis of CaO and SiO ₂ nanoparticles onto jute fabrics: exploring the multifunctionality. <i>Cellulose</i> , 2021 , 28, 1123-1138	5.5	6
82	Smart Fibrous Structures Produced by Electrospinning Using the Combined Effect of PCL/Graphene Nanoplatelets. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 1124	2.6	6
81	Chemical and Biological Warfare Protection and Self-Decontaminating Flax Fabrics Based on CaO Nanoparticles. <i>Key Engineering Materials</i> , 2019 , 812, 75-83	0.4	5

80	Tube-jack testing for irregular masonry walls: Prototype development and testing. <i>NDT and E International</i> , 2013 , 58, 24-35	4.1	5
79	Durability of Natural Fibers for Geotechnical Engineering. <i>Key Engineering Materials</i> , 2014 , 634, 447-454	0.4	5
78	Compression and permeability properties of multiaxial warp-knit preforms. <i>Journal of the Textile Institute</i> , 2008 , 99, 287-294	1.5	5
77	Braided reinforced composite rods for the internal reinforcement of concrete. <i>Mechanics of Composite Materials</i> , 2008 , 44, 221-230	1.1	5
76	Hydrophobic performance of electrospun fibers functionalized with TiO ₂ nanoparticles. <i>Textile Reseach Journal</i> ,004051752110106	1.7	5
75	Effects of multiscale carbon-based conductive fillers on the performances of a self-sensing cementitious geocomposite. <i>Journal of Building Engineering</i> , 2021 , 43, 103171	5.2	5
74	Designing artificial anterior cruciate ligaments based on novel fibrous structures. <i>Fibers and Polymers</i> , 2014 , 15, 181-186	2	4
73	The influence of cork on the thermal insulation properties of home textiles. <i>Procedia Engineering</i> , 2017 , 200, 252-259		4
72	Multifunctional Braided Composite Rods for Civil Engineering Applications. <i>Advanced Materials Research</i> , 2010 , 123-125, 149-152	0.5	4
71	Tensile performance and crack propagation of coated woven fabrics under multiaxial loads. <i>Journal of Applied Polymer Science</i> , 2009 , 113, 3388-3396	2.9	4
70	Application of Braided Fibre Reinforced Composite Rods in Concrete Reinforcement. <i>Materials Science Forum</i> , 2006 , 514-516, 1556-1560	0.4	4
69	Design and Marketing Innovation. <i>Journal of the Textile Institute</i> , 1998 , 89, 16-34	1.5	4
68	Development of a Novel Multifunctional Cementitious-Based Geocomposite by the Contribution of CNT and GNP. <i>Nanomaterials</i> , 2021 , 11,	5.4	4
67	Effect of graphite particulate on mechanical characterization of hybrid polymer composites. <i>Journal of Industrial Textiles</i> ,152808372110106	1.6	4
66	Automotive and construction applications of fiber reinforced composites 2021 , 785-819		4
65	Drug Delivery Systems for Photodynamic Therapy: The Potentiality and Versatility of Electrospun Nanofibers.. <i>Macromoleculare Bioscience</i> , 2022 , e2100512	5.5	4
64	Poly Lactic Acid Fibre Based Biodegradable Stents and Their Functionalization Techniques. <i>RILEM Bookseries</i> , 2016 , 331-342	0.5	3
63	Coated chitosan onto gauze to efficient conditions for maintenance of the wound microenvironment. <i>Procedia Engineering</i> , 2017 , 200, 135-140		3

62	Influence of different thermoplastic polymer/wood ratios on the mechanical and thermal properties of composite materials. <i>Procedia Engineering</i> , 2017 , 200, 480-486		3
61	Waste Fibre Reinforced Eco-composites. <i>Materials Science Forum</i> , 2010 , 636-637, 1415-1420	0.4	3
60	Development of fibrous preforms for FRP pipe connections. <i>Composites Science and Technology</i> , 2009 , 69, 1412-1416	8.6	3
59	Performance Assessment of Waste Fiber-Reinforced Mortar. <i>Materials Science Forum</i> , 2012 , 730-732, 617-622	0.4	3
58	Study of the Filtration Performance of Multilayer and Multiscale Fibrous Structures. <i>Materials</i> , 2021 , 14,	3.5	3
57	A Review of Multiple Scale Fibrous and Composite Systems for Heating Applications. <i>Molecules</i> , 2021 , 26,	4.8	3
56	Development of a Flexible, Light Weight Structure, Adaptable to any Space through a Shape Shifting Feature. <i>Procedia Engineering</i> , 2016 , 155, 426-441		3
55	Innovative self-sensing fiber-reinforced cemented sand with hybrid CNT/GNP. <i>Smart Materials and Structures</i> , 2021 , 30, 105034	3.4	3
54	Novel Multi-Scale Cementitious Composites Developed Using Microcrystalline Cellulose (MCC) and Sisal Fibers. <i>Key Engineering Materials</i> , 2019 , 812, 100-106	0.4	2
53	Waste Fiber Reinforced Composite Materials: Production and Mechanical Properties. <i>Materials Science Forum</i> , 2012 , 730-732, 665-670	0.4	2
52	Improving the stiffness of unidirectionally oriented weft-knitted structures for polymer matrix composite reinforcement. <i>Journal of the Textile Institute</i> , 2009 , 100, 715-721	1.5	2
51	Applications of polyesters and polyamides in civil engineering 2008 , 542-592		2
50	Tensile performance of construction membrane materials under multi-axial loads 2008 ,		2
49	A review of intrinsic self-sensing cementitious composites and prospects for their application in transport infrastructures. <i>Construction and Building Materials</i> , 2021 , 310, 125139	6.7	2
48	Development and Characterization of Microcrystalline Cellulose Based Novel Multi-scale Biocomposites 2018 , 159-173		2
47	Accelerated weathering of textile waste nonwovens used as sustainable agricultural mulching. <i>Journal of Industrial Textiles</i> , 2021 , 50, 1079-1110	1.6	2
46	Development of Chitosan-Gelatin Nanofibers with Cellulose Nanocrystals for Skin Protection Applications. <i>Key Engineering Materials</i> , 893 , 45-55	0.4	2
45	Study on fibrous materials for brain phantoms. <i>Studies in Health Technology and Informatics</i> , 2014 , 207, 163-72	0.5	2

44	Antibacterial and Biodegradable Electrospun Filtering Membranes for Facemasks: An Attempt to Reduce Disposable Masks Use. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 67	2.6	2
43	Geotechnical and piezoresistivity properties of sustainable cementitious stabilized sand reinforced with recycled fibres. <i>Transportation Engineering</i> , 2021 , 6, 100096	3	2
42	The Thermal Colour and the Emissivity of Printed Pigments on Knitted Fabrics for Application in Diurnal Thermal Camouflage Garments. <i>Key Engineering Materials</i> , 2019 , 812, 127-133	0.4	1
41	Nanomaterials from Natural Products for Industrial Applications. <i>Journal of Nanomaterials</i> , 2017 , 2017, 1-2	3.2	1
40	Reinforcements and Composites with Special Properties 2016 , 317-373		1
39	Study of the Potential Employment of Malvaceae Species in Composites Materials. <i>Key Engineering Materials</i> , 2015 , 668, 75-85	0.4	1
38	A Brief Review on the Latest Applications of Fibrous Materials in Advanced and Emerging Areas. <i>Journal of Textile Engineering</i> , 2013 , 59, 119-123	0.3	1
37	Moisture Management Performance of Multifunctional Yarns Based on Wool Fibers. <i>Advanced Materials Research</i> , 2010 , 123-125, 1247-1250	0.5	1
36	Yarn imaging and advances in measuring yarn characteristics 2010 , 232-256		1
35	Self-Sensing Hybrid Composite Rod with Braided Reinforcement for Structural Health Monitoring. <i>Materials Science Forum</i> , 2012 , 730-732, 379-384	0.4	1
34	Fibre Reinforced Thermoplastic Composite Rods. <i>Materials Science Forum</i> , 2012 , 730-732, 331-336	0.4	1
33	Analysis and Evaluation of Shape Memory Alloy Wires Behaviour in Weft-Knitted Fabrics. <i>Materials Science Forum</i> , 2012 , 730-732, 709-714	0.4	1
32	Fibrous Reinforcements for Composite Materials: Producing and Modelling. <i>Materials Science Forum</i> , 2004 , 455-456, 787-791	0.4	1
31	Structural Composite Parts Production from Textile Preforms. <i>Key Engineering Materials</i> , 2002 , 230-232, 36-39	0.4	1
30	Self-monitoring Composite Rods for Sustainable Construction. <i>Communications in Computer and Information Science</i> , 2010 , 193-201	0.3	1
29	Aging Effect on Functionalized Silver-Based Nanocoating Braided Coronary Stents. <i>Coatings</i> , 2020 , 10, 1234	2.9	1
28	Development of Smart Braided Structures for Sensing of Geotechnical Structures. <i>Procedia Engineering</i> , 2016 , 143, 1218-1225		1
27	Hierarchical Vegetal Fiber Reinforced Composites. <i>Composites Science and Technology</i> , 2021 , 379-412		1

26	Protective Multifunctional Fibrous Systems Based on Natural Fibers and Metal Oxide Nanoparticles. <i>Polymers</i> , 2021 , 13,	4.5	1
25	Insight into the Effects of Solvent Treatment of Natural Fibers Prior to Structural Composite Casting: Chemical, Physical and Mechanical Evaluation. <i>Fibers</i> , 2021 , 9, 54	3.7	1
24	Low-Velocity Impact Response of Auxetic Seamless Knits Combined with Non-Newtonian Fluids. <i>Polymers</i> , 2022 , 14, 2065	4.5	1
23	New Generation of High-Tech Nonwovens Through Nanotechnology. <i>Materials Circular Economy</i> , 2022 , 4, 1	4.3	0
22	Thermal Camouflage Clothing in Diurnal and Nocturnal Environments. <i>Key Engineering Materials</i> , 2018 , 993, 37-43	0.4	0
21	The influence of textile materials on flame resistance ratings of professional uniforms. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	0
20	Novel high performance auxetic fibrous structures for composite reinforcement. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 406, 012046	0.4	0
19	The Potential of Beeswax Colloidal Emulsion/Films for Hydrophobization of Natural Fibers Prior to NTRM Manufacturing. <i>Key Engineering Materials</i> , 2018 , 916, 82-90	0.4	0
18	Effect of GNPs on the Piezoresistive, Electrical and Mechanical Properties of PHA and PLA Films. <i>Fibers</i> , 2021 , 9, 86	3.7	0
17	Effects of Electrodes Layout and Filler Scale on Percolation Threshold and Piezoresistivity Performances of a Cementitious-Based Geocomposite. <i>Nanomaterials</i> , 2022 , 12, 1734	5.4	0
16	Production, characterization and prediction of mechanical properties of waste fibre reinforced composite panels for application in adjustable partition walls of buildings. <i>International Journal of Plastics Technology</i> , 2015 , 19, 153-166	2.7	
15	Homewear in Brazil: evolution from 1976 to present. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	
14	Estudo das propriedades térmicas de materiais fibrosos aplicados em paredes divisórias leves. <i>Ciência & Tecnologia Dos Materiais</i> , 2013 , 25, 50-56		
13	Multi-layer structures with thermal and acoustic properties for building rehabilitation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 254, 042006	0.4	
12	Braided Composites: Production, Properties, and Latest Developments 2015 , 97-123		
11	Analysis of Energy Absorption for NiTi Wires under Different Diameters and Loop Types. <i>Journal of Textile Engineering</i> , 2013 , 59, 165-167	0.3	
10	International Conference on Natural Fibers Sustainable Materials for Advanced Applications 2013. <i>Conference Papers in Materials Science</i> , 2013 , 2013, 1-1		
9	Behaviour of Membrane Construction Materials under Multi-Axial Tensile Loading. <i>Materials Science Forum</i> , 2010 , 636-637, 1496-1503	0.4	

- 8 Behaviour of Membrane Construction Materials under Bi-Axial Tensile Loading. *Materials Science Forum*, **2008**, 587-588, 662-666 0.4
- 7 Development of GF/PP Towpreg Woven Fabrics for Composite Reinforcements. *Materials Science Forum*, **2006**, 514-516, 1551-1555 0.4
- 6 Mechanical properties and antimicrobial activity of pumice stone/sludge filled thermosetting composites. *Sustainable Materials and Technologies*, **2021**, e00348 5.3
- 5 Effects of nanoparticles on the mechanical behaviour of fibre-reinforced concrete. *Proceedings of Institution of Civil Engineers: Construction Materials*, 1-10 0.8
- 4 Recovery of wood dust in composite materials **2017**, 371-376
- 3 Longitudinal and Transversal Behavior of Multifilament Yarn Subjected to Longitudinal Load Using Image Analysis. *Key Engineering Materials*, **2019**, 812, 134-140 0.4
- 2 Accelerated Aging Effect in Physical and Thermo-mechanical Properties of Maize Starch Biocomposites Reinforced with Agave Salmiana Fibers from Different Leaf Ages. *Fibers and Polymers*, **2022**, 23, 807-818 2
- 1 Cotton Weaving Waste Incorporation in PVC Composites. *Materials Circular Economy*, **2022**, 4, 1 4.3