

Nina Graupner

List of Publications by Citations

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34
papers

1,273
citations

17
h-index

35
g-index

38
ext. papers

1,450
ext. citations

4.8
avg, IF

4.88
L-index

#	Paper	IF	Citations
34	Natural and man-made cellulose fibre-reinforced poly(lactic acid) (PLA) composites: An overview about mechanical characteristics and application areas. <i>Composites Part A: Applied Science and Manufacturing</i> , 2009 , 40, 810-821	8.4	397
33	Application of lignin as natural adhesion promoter in cotton fibre-reinforced poly(lactic acid) (PLA) composites. <i>Journal of Materials Science</i> , 2008 , 43, 5222-5229	4.3	128
32	Fibre/matrix adhesion of cellulose fibres in PLA, PP and MAPP: A critical review of pull-out test, microbond test and single fibre fragmentation test results. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014 , 63, 133-148	8.4	102
31	A comparison of the mechanical characteristics of kenaf and lyocell fibre reinforced poly(lactic acid) (PLA) and poly(3-hydroxybutyrate) (PHB) composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2011 , 42, 2010-2019	8.4	96
30	Impregnated fibre bundle test for natural fibres used in composites. <i>Journal of Reinforced Plastics and Composites</i> , 2017 , 36, 942-957	2.9	58
29	Effect of basalt fibre hybridisation and sizing removal on mechanical and thermal properties of hemp fibre reinforced HDPE composites. <i>Composite Structures</i> , 2018 , 188, 394-406	5.3	53
28	Procedural influences on compression and injection moulded cellulose fibre-reinforced polylactide (PLA) composites: Influence of fibre loading, fibre length, fibre orientation and voids. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016 , 81, 158-171	8.4	50
27	Improvement and analysis of fibre/matrix adhesion of regenerated cellulose fibre reinforced PP-, MAPP- and PLA-composites by the use of Eucalyptus globulus lignin. <i>Composites Part B: Engineering</i> , 2014 , 66, 117-125	10	45
26	Improvement of the Mechanical Properties of Biodegradable Hemp Fiber Reinforced Poly(lactic acid) (PLA) Composites by the Admixture of Man-made Cellulose Fibers. <i>Journal of Composite Materials</i> , 2009 , 43, 689-702	2.7	37
25	Influence of reprocessing on fibre length distribution, tensile strength and impact strength of injection moulded cellulose fibre-reinforced polylactide (PLA) composites. <i>EXPRESS Polymer Letters</i> , 2016 , 10, 647-663	3.4	30
24	Nettle fibre (<i>Urtica dioica</i> L.) reinforced poly(lactic acid): A first approach. <i>Journal of Composite Materials</i> , 2012 , 46, 3077-3087	2.7	23
23	Measuring fibre orientation in sisal fibre-reinforced, injection moulded polypropylene [Pros and cons of the experimental methods to validate injection moulding simulation. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 95, 54-64	8.4	20
22	Testing Methods for Measuring Physical and Mechanical Fibre Properties (Plant and Animal Fibres) 2010 , 267-309		20
21	Single fibre pull-out test versus short beam shear test: comparing different methods to assess the interfacial shear strength. <i>Journal of Materials Science</i> , 2013 , 48, 3248-3253	4.3	19
20	Using synchrotron radiation-based micro-computer tomography (SR μ CT) for the measurement of fibre orientations in cellulose fibre-reinforced polylactide (PLA) composites. <i>Journal of Materials Science</i> , 2014 , 49, 450-460	4.3	19
19	Functional gradients in the pericarp of the green coconut inspire asymmetric fibre-composites with improved impact strength, and preserved flexural and tensile properties. <i>Bioinspiration and Biomimetics</i> , 2017 , 12, 026009	2.6	18
18	Plasma modification of man-made cellulose fibers (Lyocell) for improved fiber/matrix adhesion in poly(lactic acid) composites. <i>Journal of Applied Polymer Science</i> , 2013 , 128, 4378-4386	2.9	18

17	Impact and hardness optimisation of composite materials inspired by the babassu nut (<i>Orbignya speciosa</i>). <i>Bioinspiration and Biomimetics</i> , 2015 , 10, 056006	2.6	17
16	Composite models for compression moulded long regenerated cellulose fibre-reinforced brittle polylactide (PLA). <i>Composites Science and Technology</i> , 2017 , 149, 55-63	8.6	15
15	Rhubarb petioles inspire biodegradable cellulose fibre-reinforced PLA composites with increased impact strength. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 98, 218-226	8.4	15
14	Copy paper as a source of reinforcement for biodegradable composites [Influence of fibre loading, processing method and layer arrangement] An overview. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 120, 161-171	8.4	13
13	Cellulose Fiber-Reinforced PLA versus PP. <i>International Journal of Polymer Science</i> , 2017 , 2017, 1-10	2.4	12
12	Man-Made Cellulose Fibres as Reinforcement for Poly(lactic acid) (PLA) Composites. <i>Journal of Biobased Materials and Bioenergy</i> , 2009 , 3, 249-261	1.4	11
11	Influence of Fiber Fineness, Fiber Maturity, and Nep Content on the Properties of Natural Fiber Reinforced Cotton-Epoxy Composites. <i>Journal of Natural Fibers</i> , 2008 , 5, 289-315	1.8	11
10	Toddy Palm (<i>Borassus Flabellifer</i>) Fruit Fibre Bundles as Reinforcement in Polylactide (PLA) Composites: An Overview About Fibre and Composite Characteristics. <i>Journal of Renewable Materials</i> , 2019 , 7, 693-711	2.4	8
9	As tough as it is delicious? A mechanical and structural analysis of red rhubarb (<i>Rheum rhabarbarum</i>). <i>Journal of Materials Science</i> , 2009 , 44, 4195-4199	4.3	6
8	Ductile viscose fibres and stiff basalt fibres for composite applications [An overview and the potential of hybridisation]. <i>Composites Part B: Engineering</i> , 2020 , 194, 108041	10	6
7	Size effects of viscose fibres and their unidirectional epoxy composites: application of least squares Weibull statistics. <i>Cellulose</i> , 2018 , 25, 3407-3421	5.5	5
6	Three-dimensional braiding of continuous regenerated cellulose fibres. <i>Journal of Industrial Textiles</i> , 2016 , 45, 707-715	1.6	4
5	Novel Low-Twist Bast Fibre Yarns from Flax Tow for High-Performance Composite Applications. <i>Materials</i> , 2020 , 14,	3.5	4
4	Self-assembled fibrinogen nanofibers support fibroblast adhesion and prevent <i>E. coli</i> infiltration. <i>Materials Science and Engineering C</i> , 2021 , 126, 112156	8.3	3
3	Influence of sample thickness, curvature and notches on the Charpy impact strength - An approach to standardise the impact strength of curved test specimens and biological structures. <i>Polymer Testing</i> , 2021 , 93, 106864	4.5	3
2	Economic Aspects 2010 , 49-86		2
1	The Influence of Lyocell and Kenaf Fibres on the Mechanical Characteristics of Poly(lactic acid) (PLA) Composites. <i>Journal of Biobased Materials and Bioenergy</i> , 2012 , 6, 500-507	1.4	2