

# Nina Graupner

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Self-assembled fibrinogen nanofibers support fibroblast adhesion and prevent E. coli infiltration. <i>Materials Science and Engineering C</i> , <b>2021</b> , 126, 112156	8.3	3
33	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> , <b>2021</b> , 93, 106864	4.5	3
32	Novel Low-Twist Bast Fibre Yarns from Flax Tow for High-Performance Composite Applications. <i>Materials</i> , <b>2020</b> , 14,	3.5	4
31	Ductile viscose fibres and stiff basalt fibres for composite applications [An overview and the potential of hybridisation. <i>Composites Part B: Engineering</i> , <b>2020</b> , 194, 108041	10	6
30	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> , <b>2019</b> , 120, 161-171	8.4	13
29	Toddy Palm (Borassus Flabellifer) Fruit Fibre Bundles as Reinforcement in Polylactide (PLA) Composites: An Overview About Fibre and Composite Characteristics. <i>Journal of Renewable Materials</i> , <b>2019</b> , 7, 693-711	2.4	8
28	Effect of basalt fibre hybridisation and sizing removal on mechanical and thermal properties of hemp fibre reinforced HDPE composites. <i>Composite Structures</i> , <b>2018</b> , 188, 394-406	5.3	53
27	Size effects of viscose fibres and their unidirectional epoxy composites: application of least squares Weibull statistics. <i>Cellulose</i> , <b>2018</b> , 25, 3407-3421	5.5	5
26	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> , <b>2017</b> , 12, 026009	2.6	18
25	Composite models for compression moulded long regenerated cellulose fibre-reinforced brittle polylactide (PLA). <i>Composites Science and Technology</i> , <b>2017</b> , 149, 55-63	8.6	15
24	Impregnated fibre bundle test for natural fibres used in composites. <i>Journal of Reinforced Plastics and Composites</i> , <b>2017</b> , 36, 942-957	2.9	58
23	Rhubarb petioles inspire biodegradable cellulose fibre-reinforced PLA composites with increased impact strength. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2017</b> , 98, 218-226	8.4	15
22	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> , <b>2017</b> , 95, 54-64	8.4	20
21	Cellulose Fiber-Reinforced PLA versus PP. <i>International Journal of Polymer Science</i> , <b>2017</b> , 2017, 1-10	2.4	12
20	Three-dimensional braiding of continuous regenerated cellulose fibres. <i>Journal of Industrial Textiles</i> , <b>2016</b> , 45, 707-715	1.6	4
19	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> , <b>2016</b> , 81, 158-171	8.4	50
18	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> , <b>2016</b> , 10, 647-663	3.4	30

17	Impact and hardness optimisation of composite materials inspired by the babassu nut ( <i>Orbignya speciosa</i> ). <i>Bioinspiration and Biomimetics</i> , <b>2015</b> , 10, 056006	2.6	17
16	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> , <b>2014</b> , 63, 133-148	8.4	102
15	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> , <b>2014</b> , 66, 117-125	10	45
14	Using synchrotron radiation-based micro-computer tomography (SR ECT) for the measurement of fibre orientations in cellulose fibre-reinforced polylactide (PLA) composites. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 450-460	4.3	19
13	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> , <b>2013</b> , 48, 3248-3253	4.3	19
12	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> , <b>2013</b> , 128, 4378-4386	2.9	18
11	Nettle fibre ( <i>Urtica dioica</i> L.) reinforced poly(lactic acid): A first approach. <i>Journal of Composite Materials</i> , <b>2012</b> , 46, 3077-3087	2.7	23
10	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> , <b>2012</b> , 6, 500-507	1.4	2
9	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> , <b>2011</b> , 42, 2010-2019	8.4	96
8	Testing Methods for Measuring Physical and Mechanical Fibre Properties (Plant and Animal Fibres) <b>2010</b> , 267-309		20
7	Economic Aspects <b>2010</b> , 49-86		2
6	Man-Made Cellulose Fibres as Reinforcement for Poly(lactic acid) (PLA) Composites. <i>Journal of Biobased Materials and Bioenergy</i> , <b>2009</b> , 3, 249-261	1.4	11
5	As tough as it is delicious? A mechanical and structural analysis of red rhubarb ( <i>Rheum rhabarbarum</i> ). <i>Journal of Materials Science</i> , <b>2009</b> , 44, 4195-4199	4.3	6
4	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> , <b>2009</b> , 43, 689-702	2.7	37
3	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> , <b>2009</b> , 40, 810-821	8.4	397
2	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> , <b>2008</b> , 5, 289-315	1.8	11
1	Application of lignin as natural adhesion promoter in cotton fibre-reinforced poly(lactic acid) (PLA) composites. <i>Journal of Materials Science</i> , <b>2008</b> , 43, 5222-5229	4.3	128