

# Ronja Scholz

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

214  
citations

1163117

8  
h-index

1058476

14  
g-index

21  
all docs

21  
docs citations

21  
times ranked

202  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical in vitro fatigue testing of implant materials and components using advanced characterization techniques. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2022, 110, 898-909.	3.4	4
2	Impact of solar radiation on chemical structure and micromechanical properties of cellulose-based humidity-sensing material Cottonid. <i>Functional Composite Materials</i> , 2021, 2, .	1.4	2
3	Tuneable material properties of Organosolv lignin biocomposites in response to heat and shear forces. <i>European Polymer Journal</i> , 2021, 148, 110359.	5.4	0
4	In Situ Characterization of Polycaprolactone Fiber Response to Quasi-Static Tensile Loading in Scanning Electron Microscopy. <i>Polymers</i> , 2021, 13, 2090.	4.5	1
5	Advances on the Visualization of the Internal Structures of the European Mistletoe: 3D Reconstruction Using Microtomography. <i>Frontiers in Plant Science</i> , 2021, 12, 715711.	3.6	18
6	In Situ Characterization of Damage Development in Cottonid Due to Quasi-Static Tensile Loading. <i>Materials</i> , 2020, 13, 2180.	2.9	8
7	Humidity-Sensing Material Cottonid “ Microstructural Tuning for Improved Actuation and Fatigue Performance. <i>Frontiers in Materials</i> , 2020, 7, .	2.4	5
8	Service life characterization of orthopedic implant material made of ultra-high molecular weight polyethylene under physiological conditions. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 104, 103617.	3.1	2
9	Biomimetic scaffold fabricated with a mammalian trabecular bone template. <i>Polymer Degradation and Stability</i> , 2020, 172, 109076.	5.8	5
10	Biomimetic UHMWPE/HA scaffolds with rhBMP-2 and erythropoietin for reconstructive surgery. <i>Materials Science and Engineering C</i> , 2020, 111, 110750.	7.3	27
11	Rods glued in engineered hardwood products part II: Numerical modelling and capacity prediction. <i>International Journal of Adhesion and Adhesives</i> , 2019, 90, 182-198.	2.9	30
12	Rods glued in engineered hardwood products part I: Experimental results under quasi-static loading. <i>International Journal of Adhesion and Adhesives</i> , 2019, 90, 163-181.	2.9	47
13	Experimental study on the actuation and fatigue behavior of the biopolymeric material Cottonid. <i>Materials Today: Proceedings</i> , 2019, 7, 476-483.	1.8	8
14	Dataset on the structural characterization of organosolv lignin obtained from ensiled Poaceae grass and load-dependent molecular weight changes during thermoplastic processing. <i>Data in Brief</i> , 2018, 17, 647-652.	1.0	6
15	Effects of high-lignin-loading on thermal, mechanical, and morphological properties of bioplastic composites. <i>Composite Structures</i> , 2018, 189, 349-356.	5.8	32
16	Load-Bearing Behaviour of Rods Glued in Hardwood. <i>Adhesion Adhesives and Sealants</i> , 2018, 15, 10-15.	0.1	0
17	Development of biomimetic in vitro fatigue assessment for UHMWPE implant materials. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 85, 94-101.	3.1	9
18	Micro-CT defect analysis and hardness distribution of flat-face extruded EN AW6060 aluminum chips. <i>Materialprüfung/Materials Testing</i> , 2017, 59, 613-617.	2.2	0

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19	Direction-dependent mechanical characterization of cellulose-based composite vulcanized fiber. Materialpruefung/Materials Testing, 2016, 58, 813-817.	2.2	10