

# Martin Dannemann

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3257397/publications.pdf>

Version: 2024-02-01

41  
papers

395  
citations

840119

11  
h-index

839053

18  
g-index

42  
all docs

42  
docs citations

42  
times ranked

363  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Control Method for the Ultrasonic Spot Welding of Fiber-Reinforced Thermoplastic Laminates through the Weld-Power Time Derivative. <i>Journal of Manufacturing and Materials Processing</i> , 2019, 3, 1.	1.0	69
2	Analytical study of the structural-dynamics and sound radiation of anisotropic multilayered fibre-reinforced composites. <i>Journal of Sound and Vibration</i> , 2015, 342, 57-74.	2.1	34
3	Design and testing of composite compressor blades with focus on the vibration behaviour. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 92, 183-189.	3.8	31
4	Experimental study of joining thick composites reinforced with non-crimp 3D orthogonal woven E-glass fabrics. <i>Composites Part A: Applied Science and Manufacturing</i> , 2011, 42, 896-905.	3.8	28
5	A numerical analysis of an energy directing method through friction heating during the ultrasonic welding of thermoplastic composites. <i>Journal of Thermoplastic Composite Materials</i> , 2020, 33, 1569-1587.	2.6	23
6	An effectiveness improvement of the inverse technique based on vibration tests. <i>Computers and Structures</i> , 2015, 146, 152-162.	2.4	21
7	Experimental Study of Advanced Helmholtz Resonator Liners with Increased Acoustic Performance by Utilising Material Damping Effects. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1923.	1.3	21
8	Numerical and Experimental Characterization of Fiber-Reinforced Thermoplastic Composite Structures with Embedded Piezoelectric Sensor-Actuator Arrays for Ultrasonic Applications. <i>Applied Sciences (Switzerland)</i> , 2016, 6, 55.	1.3	15
9	Is it really penetration? Locomotion of devitalized <i>Enterococcus faecalis</i> cells within dentinal tubules of bovine teeth. <i>Archives of Oral Biology</i> , 2017, 83, 289-296.	0.8	13
10	Combined semi-analytical and numerical vibro-acoustic design approach for anisotropic fibre-reinforced composite structures. <i>Journal of Sound and Vibration</i> , 2017, 404, 1-14.	2.1	12
11	Characterization of clay-modified thermoset polymers under various environmental conditions for the use in high-voltage power pylons. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401769889.	0.8	12
12	Functionâ€“integrative Lightweight Engineering â€“ Design Methods and Applications. <i>Chemie-Ingenieur-Technik</i> , 2020, 92, 949-959.	0.4	12
13	Adapted measuring sequence for the determination of directional-dependent dynamic material properties using a bending resonance method. <i>Polymer Testing</i> , 2019, 79, 106044.	2.3	10
14	An Approach for a Mathematical Description of Human Root Canals by Means of Elementary Parameters. <i>Journal of Endodontics</i> , 2017, 43, 536-543.	1.4	9
15	Effects of Endodontic Irrigants on Material and Surface Properties of Biocompatible Thermoplastics. <i>Dentistry Journal</i> , 2019, 7, 26.	0.9	9
16	Is it really penetration? Part 2. Locomotion of <i>Enterococcus faecalis</i> cells within dentinal tubules of bovine teeth. <i>Clinical Oral Investigations</i> , 2019, 23, 4325-4334.	1.4	8
17	Mapping of the Micro-Mechanical Properties of Human Root Dentin by Means of Microindentation. <i>Materials</i> , 2021, 14, 505.	1.3	7
18	Development of Materialâ€“Integrated Actuatorâ€“Sensorâ€“Arrays for Obstacle Sensing. <i>Advanced Engineering Materials</i> , 2018, 20, 1800475.	1.6	6

#	ARTICLE	IF	CITATIONS
19	Continuous Measurement of Three-Dimensional Root Canal Curvature Using Cone-Beam Computed and Micro-Computed Tomography: A Comparative Study. <i>Dentistry Journal</i> , 2020, 8, 16.	0.9	6
20	Sliding friction and wear of human teeth against biocompatible polyether ether ketone (PEEK) under various wear conditions. <i>Wear</i> , 2021, 486-487, 204110.	1.5	6
21	A Numerical Analysis of the Temporal and Spatial Temperature Development during the Ultrasonic Spot Welding of Fibre-Reinforced Thermoplastics. <i>Journal of Manufacturing and Materials Processing</i> , 2020, 4, 30.	1.0	5
22	Design and Testing of a Co-Rotating Vibration Excitation System. <i>Sensors</i> , 2019, 19, 92.	2.1	4
23	Sound Transmission Loss of a Sandwich Plate with Adjustable Core Layer Thickness. <i>Materials</i> , 2020, 13, 4160.	1.3	4
24	Damping Behavior of Thermoplastic Organic Sheets with Continuous Natural Fiber-Reinforcement. <i>Vibration</i> , 2021, 4, 529-536.	0.9	4
25	Material Selection Process for Acoustic and Vibration Applications Using the Example of a Plate Resonator. <i>Materials</i> , 2022, 15, 2935.	1.3	4
26	Development of a Function-Integrative Sleeve for Medical Applications. <i>Sensors</i> , 2019, 19, 2588.	2.1	3
27	Quantification of Bacterial Colonization in Dental Hard Tissues Using Optimized Molecular Biological Methods. <i>Frontiers in Genetics</i> , 2020, 11, 599137.	1.1	3
28	An Automated Measurement Method for the Endodontic Working Width of Lower Molars by Means of Parametric Models Using Cone-beam Computed Tomography and Micro-Computed Tomography. <i>Journal of Endodontics</i> , 2021, 47, 1790-1795.	1.4	3
29	Analysis of a Film Forming Process through Coupled Image Correlation and Infrared Thermography. <i>Polymers</i> , 2022, 14, 1231.	2.0	3
30	Influence of Ice Accumulation on the Structural Dynamic Behaviour of Composite Rotors. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5063.	1.3	2
31	Structure-Integrated Loudspeaker Using Fiber-Reinforced Plastics and Piezoelectric Transducers – Design, Manufacturing and Validation. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3438.	1.3	2
32	Strain-based monitoring system for ski poles with low impact on their total mass and inertia. <i>Procedia Manufacturing</i> , 2020, 52, 187-192.	1.9	2
33	Miniaturised Rod-Shaped Polymer Structures with Wire or Fibre Reinforcement – Manufacturing and Testing. <i>Journal of Composites Science</i> , 2020, 4, 84.	1.4	1
34	Numerical Buckling Analysis of Hybrid Honeycomb Cores for Advanced Helmholtz Resonator Liners. <i>Journal of Composites Science</i> , 2021, 5, 116.	1.4	1
35	Functional Design Employing Miniaturized Electronics with Wireless Signal Provision to a Smartphone for a Strain-Based Measuring System for Ski Poles. <i>Computers</i> , 2021, 10, 77.	2.1	1
36	Quantification of Bacterial DNA from Infected Human Root Canals Using qPCR and DAPI after Disinfection with Established and Novel Irrigation Protocols. <i>Materials</i> , 2022, 15, 1911.	1.3	1

#	ARTICLE	IF	CITATIONS
37	Investigation of sound radiation by cantilever beam. VĚsnik NacĚonalĚnogo AvĚacĚjnogo UnĚversitetu, 2006, 27, .	0.1	0
38	FEEDFORWARD SEMI-ACTIVE MODEL-BASED CONTROL OF A PLATE CARRYING CONCENTRATED MASSES. VĚsnik NacĚonalĚnogo AvĚacĚjnogo UnĚversitetu, 2013, 56, .	0.1	0
39	Aktive faserverstĚrkte Thermoplastverbunde mit materialhomogen integrierten Piezokeramikmodulen " ein Ausblick. , 2016, , 172-181.		0
40	Usability of a Compliant Deltoid Mechanism as a Motion Transmission in Civil Engineering Machinery. Mechanisms and Machine Science, 2021, , 135-154.	0.3	0
41	Rechnerische AbschĚtzung Der Modalen DĚmpfung fĚ <sup>1/4</sup> r Die Auslegung Komplexer Faserverbundstrukturen. , 0, , 453-460.		0