

Martin Dannemann

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	Analysis of a Film Forming Process through Coupled Image Correlation and Infrared Thermography. <i>Polymers</i> , 2022, 14, 1231.	2.0	3
3	Material Selection Process for Acoustic and Vibration Applications Using the Example of a Plate Resonator. <i>Materials</i> , 2022, 15, 2935.	1.3	4
4	Mapping of the Micro-Mechanical Properties of Human Root Dentin by Means of Microindentation. <i>Materials</i> , 2021, 14, 505.	1.3	7
5	Numerical Buckling Analysis of Hybrid Honeycomb Cores for Advanced Helmholtz Resonator Liners. <i>Journal of Composites Science</i> , 2021, 5, 116.	1.4	1
6	Damping Behavior of Thermoplastic Organic Sheets with Continuous Natural Fiber-Reinforcement. <i>Vibration</i> , 2021, 4, 529-536.	0.9	4
7	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
8	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
9	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
10	Usability of a Compliant Deltoid Mechanism as a Motion Transmission in Civil Engineering Machinery. <i>Mechanisms and Machine Science</i> , 2021, , 135-154.	0.3	0
11	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
12	Sound Transmission Loss of a Sandwich Plate with Adjustable Core Layer Thickness. <i>Materials</i> , 2020, 13, 4160.	1.3	4
13	Function-Integrative Lightweight Engineering – Design Methods and Applications. <i>Chemie-Ingenieur-Technik</i> , 2020, 92, 949-959.	0.4	12
14	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
15	Influence of Ice Accumulation on the Structural Dynamic Behaviour of Composite Rotors. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5063.	1.3	2
16	Quantification of Bacterial Colonization in Dental Hard Tissues Using Optimized Molecular Biological Methods. <i>Frontiers in Genetics</i> , 2020, 11, 599137.	1.1	3
17	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
18	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

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19	Continuous Measurement of Three-Dimensional Root Canal Curvature Using Cone-Beam Computed and Micro-Computed Tomography: A Comparative Study. Dentistry Journal, 2020, 8, 16.	0.9	6
20	Strain-based monitoring system for ski poles with low impact on their total mass and inertia. Procedia Manufacturing, 2020, 52, 187-192.	1.9	2
21	Adapted measuring sequence for the determination of directional-dependent dynamic material properties using a bending resonance method. Polymer Testing, 2019, 79, 106044.	2.3	10
22	Development of a Function-Integrative Sleeve for Medical Applications. Sensors, 2019, 19, 2588.	2.1	3
23	Is it really penetration? Part 2. Locomotion of Enterococcus faecalis cells within dentinal tubules of bovine teeth. Clinical Oral Investigations, 2019, 23, 4325-4334.	1.4	8
24	Effects of Endodontic Irrigants on Material and Surface Properties of Biocompatible Thermoplastics. Dentistry Journal, 2019, 7, 26.	0.9	9
25	A Control Method for the Ultrasonic Spot Welding of Fiber-Reinforced Thermoplastic Laminates through the Weld-Power Time Derivative. Journal of Manufacturing and Materials Processing, 2019, 3, 1.	1.0	69
26	Design and Testing of a Co-Rotating Vibration Excitation System. Sensors, 2019, 19, 92.	2.1	4
27	Development of Material-Integrated Actuator-Sensor Arrays for Obstacle Sensing. Advanced Engineering Materials, 2018, 20, 1800475.	1.6	6
28	Experimental Study of Advanced Helmholtz Resonator Liners with Increased Acoustic Performance by Utilising Material Damping Effects. Applied Sciences (Switzerland), 2018, 8, 1923.	1.3	21
29	Design and testing of composite compressor blades with focus on the vibration behaviour. Composites Part A: Applied Science and Manufacturing, 2017, 92, 183-189.	3.8	31
30	An Approach for a Mathematical Description of Human Root Canals by Means of Elementary Parameters. Journal of Endodontics, 2017, 43, 536-543.	1.4	9
31	Combined semi-analytical and numerical vibro-acoustic design approach for anisotropic fibre-reinforced composite structures. Journal of Sound and Vibration, 2017, 404, 1-14.	2.1	12
32	Is it really penetration? Locomotion of devitalized Enterococcus faecalis cells within dentinal tubules of bovine teeth. Archives of Oral Biology, 2017, 83, 289-296.	0.8	13
33	Characterization of clay-modified thermoset polymers under various environmental conditions for the use in high-voltage power pylons. Advances in Mechanical Engineering, 2017, 9, 168781401769889.	0.8	12
34	Numerical and Experimental Characterization of Fiber-Reinforced Thermoplastic Composite Structures with Embedded Piezoelectric Sensor-Actuator Arrays for Ultrasonic Applications. Applied Sciences (Switzerland), 2016, 6, 55.	1.3	15
35	Aktive faserverstärkte Thermoplastverbunde mit materialhomogen integrierten Piezokeramikmodulen – ein Ausblick. , 2016, , 172-181.		0
36	Analytical study of the structural-dynamics and sound radiation of anisotropic multilayered fibre-reinforced composites. Journal of Sound and Vibration, 2015, 342, 57-74.	2.1	34

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37	An effectiveness improvement of the inverse technique based on vibration tests. Computers and Structures, 2015, 146, 152-162.	2.4	21
38	FEEDFORWARD SEMI-ACTIVE MODEL-BASED CONTROL OF A PLATE CARRYING CONCENTRATED MASSES. Věšník Národního Aviačního Univerzity, 2013, 56, .	0.1	0
39	Experimental study of joining thick composites reinforced with non-crimp 3D orthogonal woven E-glass fabrics. Composites Part A: Applied Science and Manufacturing, 2011, 42, 896-905.	3.8	28
40	Investigation of sound radiation by cantilever beam. Věšník Národního Aviačního Univerzity, 2006, 27, .	0.1	0
41	Rechnerische Abschätzung Der Modalen Dämpfung $f_{1/4}$ Die Auslegung Komplexer Faserverbundstrukturen. , 0, , 453-460.		0