

Martine Wevers

List of Publications by Year in descending order

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181
papers

6,982
citations

41344

49
h-index

66911

78
g-index

184
all docs

184
docs citations

184
times ranked

6562
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Modification of Ti6Al4V Open Porous Structures Produced by Additive Manufacturing. <i>Advanced Engineering Materials</i> , 2012, 14, 363-370.	3.5	219
2	Micro-CT characterization of variability in 3D textile architecture. <i>Composites Science and Technology</i> , 2005, 65, 1920-1930.	7.8	215
3	Fiber optic SPR biosensing of DNA hybridization and DNA-protein interactions. <i>Biosensors and Bioelectronics</i> , 2009, 25, 864-869.	10.1	208
4	The role of sugar and fat in sugar-snap cookies: Structural and textural properties. <i>Journal of Food Engineering</i> , 2009, 90, 400-408.	5.2	198
5	Quantitative analysis of reservoir rocks by microfocus X-ray computerised tomography. <i>Sedimentary Geology</i> , 2000, 132, 25-36.	2.1	196
6	Three-dimensional pore space quantification of apple tissue using X-ray computed microtomography. <i>Planta</i> , 2007, 226, 559-570.	3.2	189
7	Three-Dimensional Gas Exchange Pathways in Pome Fruit Characterized by Synchrotron X-Ray Computed Tomography. <i>Plant Physiology</i> , 2008, 147, 518-527.	4.8	187
8	Surface Roughness and Morphology Customization of Additive Manufactured Open Porous Ti6Al4V Structures. <i>Materials</i> , 2013, 6, 4737-4757.	2.9	184
9	Quantification of the internal structure and automatic generation of voxel models of textile composites from X-ray computed tomography data. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 69, 150-158.	7.6	159
10	Individualised, micro CT-based finite element modelling as a tool for biomechanical analysis related to tissue engineering of bone. <i>Biomaterials</i> , 2004, 25, 1683-1696.	11.4	155
11	A Three-Dimensional Multiscale Model for Gas Exchange in Fruit. <i>Plant Physiology</i> , 2011, 155, 1158-1168.	4.8	152
12	Progressive versus constant tapered shaft design using NiTi rotary instruments. <i>International Endodontic Journal</i> , 2003, 36, 288-295.	5.0	149
13	Characterisation of Braeburn™ browning disorder by means of X-ray micro-CT. <i>Postharvest Biology and Technology</i> , 2013, 75, 114-124.	6.0	144
14	A methodology for quantitative evaluation of root canal instrumentation using microcomputed tomography. <i>International Endodontic Journal</i> , 2001, 34, 390-398.	5.0	138
15	Listening to the sound of materials: Acoustic emission for the analysis of material behaviour. <i>NDT and E International</i> , 1997, 30, 99-106.	3.7	126
16	Modal analysis of acoustic emission signals from CFRP laminates. <i>NDT and E International</i> , 1999, 32, 311-322.	3.7	124
17	Pore structure changes during decomposition of fresh residue: X-ray tomography analyses. <i>Geoderma</i> , 2006, 134, 82-96.	5.1	114
18	Interlaminar fracture toughness of CFRP influenced by fibre surface treatment: Part 1. Experimental results. <i>Composites Science and Technology</i> , 1995, 54, 133-145.	7.8	105

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19	Comparison of X-ray CT and MRI of watercore disorder of different apple cultivars. Postharvest Biology and Technology, 2014, 87, 42-50.	6.0	103
20	MRI and x-ray CT study of spatial distribution of core breakdown in "Conference"™ pears. Magnetic Resonance Imaging, 2003, 21, 805-815.	1.8	102
21	Understanding External Cervical Resorption in Vital Teeth. Journal of Endodontics, 2016, 42, 1737-1751.	3.1	95
22	Impact damage behaviour of shape memory alloy composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 342, 207-215.	5.6	89
23	Quantification of pre-peak brittle damage: Correlation between acoustic emission and observed micro-fracturing. International Journal of Rock Mechanics and Minings Sciences, 2007, 44, 720-729.	5.8	88
24	Tensile fatigue behaviour of glass plain-weave fabric composites in on- and off-axis directions. Composites Part A: Applied Science and Manufacturing, 2001, 32, 1533-1539.	7.6	84
25	Towards 3-D petrography: application of microfocus computer tomography in geological science. Computers and Geosciences, 2001, 27, 1091-1099.	4.2	84
26	Cervical external root resorption in vital teeth. Journal of Clinical Periodontology, 2002, 29, 580-585.	4.9	82
27	High-Resolution Microfocus X-Ray Computed Tomography for 3D Surface Roughness Measurements of Additive Manufactured Porous Materials. Advanced Engineering Materials, 2013, 15, 153-158.	3.5	82
28	Synchrotron X-ray computed laminography of the three-dimensional anatomy of tomato leaves. Plant Journal, 2015, 81, 169-182.	5.7	82
29	Active and passive monitoring of the early hydration process in concrete using linear and nonlinear acoustics. Cement and Concrete Research, 2009, 39, 426-432.	11.0	81
30	Multifractal properties of pore-size distribution in apple tissue using X-ray imaging. Journal of Food Engineering, 2010, 99, 206-215.	5.2	81
31	Validation of x-ray microfocus computed tomography as an imaging tool for porous structures. Review of Scientific Instruments, 2008, 79, 013711.	1.3	79
32	Analysis of the time course of core breakdown in "Conference"™ pears by means of MRI and X-ray CT. Postharvest Biology and Technology, 2003, 29, 19-28.	6.0	77
33	Localization of metalloporphyrin-induced "oespecific" enhancement in experimental liver tumors: Comparison of magnetic resonance imaging, microangiographic, and histologic findings. Academic Radiology, 1995, 2, 687-699.	2.5	76
34	Age Calculation Using X-ray Microfocus Computed Tomographical Scanning of Teeth: A Pilot Study. Journal of Forensic Sciences, 2004, 49, 1-4.	1.6	75
35	Micro-rotary fatigue of tooth-biomaterial interfaces. Biomaterials, 2005, 26, 1145-1153.	11.4	74
36	Smooth flexible versus active tapered shaft design using NiTi rotary instruments. International Endodontic Journal, 2002, 35, 820-828.	5.0	70

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37	Automatic analysis of the 3-D microstructure of fruit parenchyma tissue using X-ray micro-CT explains differences in aeration. <i>BMC Plant Biology</i> , 2015, 15, 264.	3.6	68
38	One sensor linear location of acoustic emission events using plate wave theories. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1999, 265, 254-261.	5.6	65
39	CoCr F75 scaffolds produced by additive manufacturing: Influence of chemical etching on powder removal and mechanical performance. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 70, 60-67.	3.1	64
40	Localisation and characterisation of corrosion damage in reinforced concrete by means of acoustic emission and X-ray computed tomography. <i>Construction and Building Materials</i> , 2019, 197, 21-29.	7.2	64
41	Effect of controlled early implant loading on bone healing and bone mass in guinea pigs, as assessed by micro-CT and histology. <i>European Journal of Oral Sciences</i> , 2006, 114, 232-242.	1.5	63
42	X-ray CT for quantitative food microstructure engineering: The apple case. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 324, 88-94.	1.4	62
43	Low cycle fatigue behavior of a modified 9Cr-1Mo ferritic-martensitic steel in lead-bismuth eutectic at 350°C: Effects of oxygen concentration in the liquid metal and strain rate. <i>Corrosion Science</i> , 2015, 94, 377-391.	6.6	60
44	Experimental and numerical study of the Kaiser effect in cyclic Brazilian tests with disk rotation. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2002, 39, 287-302.	5.8	58
45	Validation of Microfocus Computed Tomography in the Evaluation of Bone Implant Specimens. <i>Clinical Implant Dentistry and Related Research</i> , 2005, 7, 87-94.	3.7	58
46	Crack monitoring in historical masonry with distributed strain and acoustic emission sensing techniques. <i>Construction and Building Materials</i> , 2018, 162, 898-907.	7.2	57
47	The influence of internal stone structure upon the fracture behaviour of urinary calculi. <i>Ultrasound in Medicine and Biology</i> , 1994, 20, 803-810.	1.5	55
48	Monitoring and predicting masonry's creep failure with the acoustic emission technique. <i>NDT and E International</i> , 2009, 42, 518-523.	3.7	51
49	Micro-CT analysis of internal structure of sheared textile composite reinforcement. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 73, 45-54.	7.6	51
50	Computation of permeability of a non-crimp carbon textile reinforcement based on X-ray computed tomography images. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 81, 289-295.	7.6	50
51	Multiscale investigation of quasi-brittle fracture characteristics in a 9Cr-1Mo ferritic-martensitic steel embrittled by liquid lead-bismuth under low cycle fatigue. <i>Corrosion Science</i> , 2016, 102, 137-152.	6.6	49
52	A novel multimodular methodology to investigate external cervical tooth resorption. <i>International Endodontic Journal</i> , 2016, 49, 287-300.	5.0	48
53	Understanding external cervical resorption patterns in endodontically treated teeth. <i>International Endodontic Journal</i> , 2017, 50, 1116-1133.	5.0	46
54	Pore network modeling of permeability for textile reinforcements. <i>Polymer Composites</i> , 2003, 24, 344-357.	4.6	44

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55	Acoustic emission during tensile testing of SiC-fibre-reinforced BMAS glass-ceramic composites. Composites Part A: Applied Science and Manufacturing, 1997, 28, 473-480.	7.6	43
56	Characterisation of structural patterns in bread as evaluated by X-ray computer tomography. Journal of Food Engineering, 2014, 123, 67-77.	5.2	38
57	Mechanical analysis and microstructural characterisation of metal foams. Materials Science and Technology, 2002, 18, 489-494.	1.6	37
58	Structural and radiological parameters for the characterization of jawbone. Clinical Oral Implants Research, 2006, 17, 124-133.	4.5	37
59	Assessing the bond behaviour of corroded smooth and ribbed rebars with acoustic emission monitoring. Cement and Concrete Research, 2019, 120, 176-186.	11.0	37
60	Influence of non-metallic inclusions on the fatigue properties of heavily cold drawn steel wires. Procedia Engineering, 2010, 2, 173-181.	1.2	34
61	Characterization of the porous structure of biodegradable scaffolds obtained with supercritical CO ₂ as foaming agent. Journal of Porous Materials, 2008, 15, 397-403.	2.6	33
62	Contrast-Enhanced Nanofocus X-Ray Computed Tomography Allows Virtual Three-Dimensional Histopathology and Morphometric Analysis of Osteoarthritis in Small Animal Models. Cartilage, 2014, 5, 55-65.	2.7	33
63	Effect of liquid metal embrittlement on low cycle fatigue properties and fatigue crack propagation behavior of a modified 9Cr-1Mo ferritic-martensitic steel in an oxygen-controlled lead-bismuth eutectic environment at 350 °C. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 618, 406-415.	5.6	33
64	3D volumetric displacement and strain analysis of composite polymerization. Dental Materials, 2015, 31, 453-461.	3.5	33
65	Combining digital image correlation with X-ray computed tomography for characterization of fiber orientation in unidirectional composites. Composites Part A: Applied Science and Manufacturing, 2021, 142, 106234.	7.6	33
66	Characterization of stable and transient cavitation bubbles in a milliflow reactor using a multibubble sonoluminescence quenching technique. Ultrasonics Sonochemistry, 2015, 25, 31-39.	8.2	32
67	Temperature dependence of liquid metal embrittlement susceptibility of a modified 9Cr-1Mo steel under low cycle fatigue in lead-bismuth eutectic at 160-450 °C. Journal of Nuclear Materials, 2016, 468, 289-298.	2.7	31
68	Acoustic emission characteristics of fracture modes in masonry materials. Construction and Building Materials, 2018, 162, 914-922.	7.2	31
69	The effect of spatial micro-CT image resolution and surface complexity on the morphological 3D analysis of open porous structures. Materials Characterization, 2014, 87, 104-115.	4.4	30
70	The Physical and Antimicrobial Effects of Microwave Heating and Alcohol Immersion on Catheters that Are Reused for Clean Intermittent Catheterisation. European Urology, 2004, 46, 641-646.	1.9	29
71	A spectroscopic study of the chromatic properties of GafChromic, EBT3 films. Medical Physics, 2016, 43, 1156-1166.	3.0	29
72	Interlaminar fracture toughness of CFRP influenced by fibre surface treatment: Part 2. Modelling of the interface effect. Composites Science and Technology, 1995, 54, 147-159.	7.8	28

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73	Static and dynamic testing of a quasi-isotropic composite with embedded optical fibres. <i>Composites Part A: Applied Science and Manufacturing</i> , 1999, 30, 317-324.	7.6	25
74	Sorption behaviour of bamboo fibre reinforced composites, why do they retain their properties?. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 119, 48-60.	7.6	25
75	Quantification of progressive structural integrity loss in masonry with Acoustic Emission-based damage classification. <i>Construction and Building Materials</i> , 2019, 194, 192-204.	7.2	24
76	Age calculation using X-ray microfocus computed tomographical scanning of teeth: a pilot study. <i>Journal of Forensic Sciences</i> , 2004, 49, 787-90.	1.6	24
77	Influence of carbon fibre surface treatment on composite UD strength. <i>Composites</i> , 1994, 25, 722-728.	0.7	23
78	The influence of the alpha grain size on internal fatigue crack initiation in drawn Ti-6Al-4V wires. <i>Procedia Structural Integrity</i> , 2016, 2, 1055-1062.	0.8	22
79	Investigation of fatigue crack initiation facets in Ti-6Al-4V using focused ion beam milling and electron backscatter diffraction. <i>Journal of Microscopy</i> , 2017, 267, 57-69.	1.8	22
80	Transverse cracking and Poisson's ratio reduction in cross-ply carbon fibre-reinforced polymers. <i>Journal of Materials Science</i> , 1999, 34, 5513-5517.	3.7	21
81	The influence of load holds on the fatigue behaviour of drawn Ti-6Al-4V wires. <i>International Journal of Fatigue</i> , 2017, 98, 203-211.	5.7	21
82	Is Hypoxia Related to External Cervical Resorption? A Case Report. <i>Journal of Endodontics</i> , 2019, 45, 459-470.	3.1	21
83	Structural and Radiological Parameters for the Nondestructive Characterization of Trabecular Bone. <i>Annals of Biomedical Engineering</i> , 2001, 29, 1064-1073.	2.5	20
84	Baking Gradients Cause Heterogeneity in Starch and Proteins in Pound Cake. <i>Cereal Chemistry</i> , 2010, 87, 475-480.	2.2	20
85	A novel technique for acoustic emission monitoring in civil structures with global fiber optic sensors. <i>Smart Materials and Structures</i> , 2014, 23, 065022.	3.5	20
86	Acoustic emission source characterisation of chloride-induced corrosion damage in reinforced concrete. <i>Structural Health Monitoring</i> , 2022, 21, 1266-1286.	7.5	20
87	CoCr F75 scaffolds produced by additive manufacturing: Influence of chemical etching on powder removal and mechanical performance. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 68, 216-223.	3.1	19
88	Modeling the dose dependence of the vis-absorption spectrum of EBT3 GafChromic [®] films. <i>Medical Physics</i> , 2017, 44, 2532-2543.	3.0	19
89	Identification of the flax fibre modulus based on an impregnated quasi-unidirectional fibre bundle test and X-ray computed tomography. <i>Composites Science and Technology</i> , 2017, 151, 124-130.	7.8	19
90	A new characterization method for electrostatically actuated resonant MEMS: Determination of the mechanical resonance frequency, quality factor and dielectric charging. <i>Sensors and Actuators A: Physical</i> , 2009, 154, 304-315.	4.1	18

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91	Digital volume correlation for meso/micro in-situ damage analysis in carbon fiber reinforced composites. <i>Composites Science and Technology</i> , 2021, 213, 108944.	7.8	18
92	Acoustic Emission from CFRP Laminates during Fatigue Loading. <i>Journal of Reinforced Plastics and Composites</i> , 1998, 17, 1185-1201.	3.1	16
93	The Influence of Embedded Optical Fibres on the Fatigue Damage Progress in Quasi-Isotropic CFRP Laminates. <i>Journal of Composite Materials</i> , 2001, 35, 931-940.	2.4	16
94	The influence of Young's modulus of loaded implants on bone remodeling: An experimental and numerical study in the goat knee. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 90A, 792-803.	4.0	15
95	The influence of mixing methods and disinfectant on the physical properties of alginate impression materials. <i>European Journal of Orthodontics</i> , 2013, 35, 381-387.	2.4	15
96	Strain development in bulk-filled cavities of different depths characterized using a non-destructive acoustic emission approach. <i>Dental Materials</i> , 2017, 33, e165-e177.	3.5	15
97	Application of microfocus X-ray radiography in materials and medical research. <i>NDT and E International</i> , 1993, 26, 135-140.	3.7	14
98	Acoustic emission during fatigue crack propagation in SiC particle reinforced Al matrix composites. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1995, 26, 3183-3189.	2.2	14
99	Detection and characterization of primary liver cancer in rats by MS-enhanced MRI. <i>Magnetic Resonance in Medicine</i> , 1996, 35, 532-539.	3.0	14
100	Processing rigid wheat gluten biocomposites for high mechanical performance. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 79, 74-81.	7.6	14
101	Thin layer thickness measurements based on the acousto-optic technique. <i>Applied Physics Letters</i> , 1996, 68, 1732-1734.	3.3	13
102	Charging and discharging phenomena in electrostatically-driven single-crystal-silicon MEM resonators: DC bias dependence and influence on the series resonance frequency. <i>Microelectronics Reliability</i> , 2008, 48, 1221-1226.	1.7	13
103	Crack detection in aluminium plates for aerospace applications by electromagnetic impedance spectroscopy using flat coil sensors. <i>Sensors and Actuators A: Physical</i> , 2012, 176, 57-63.	4.1	13
104	Low-frequency ultrasonic piezoceramic sandwich transducer. <i>Sensors and Actuators A: Physical</i> , 2005, 122, 284-289.	4.1	12
105	Feasibility of detecting trabecular bone around percutaneous titanium implants in rabbits by in vivo microfocus computed tomography. <i>Journal of Microscopy</i> , 2007, 228, 55-61.	1.8	12
106	Debonding damage analysis in composite-masonry strengthening systems with polymer- and mortar-based matrix by means of the acoustic emission technique. <i>Smart Materials and Structures</i> , 2016, 25, 015009.	3.5	12
107	Influence of the laminate lay-up on the fatigue behaviour of SiC-fibre/BMAS-matrix composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 1999, 30, 623-635.	7.6	11
108	Damage Monitoring during Monotonic Tensile Loading of Quasi-Isotropic Carbon Epoxy Laminates. <i>Materials Science Forum</i> , 1996, 210-213, 125-132.	0.3	10

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109	The influence of loading frequency on the high-temperature fatigue behavior of a Nicalon-fabric-reinforced polymer-derived ceramic-matrix composite. Scripta Materialia, 1998, 38, 1781-1788.	5.2	10
110	Comparative study of the surface roughness of Nicalon and Tyranno silicon carbide fibres. Composites Part A: Applied Science and Manufacturing, 1998, 29, 1417-1423.	7.6	10
111	Experimental verification of the theory of multilayered Rayleigh waves. Journal of Applied Physics, 1999, 86, 1128-1135.	2.5	10
112	WAVELET PACKET DECOMPOSITION FOR THE IDENTIFICATION OF CORROSION TYPE FROM ACOUSTIC EMISSION SIGNALS. International Journal of Wavelets, Multiresolution and Information Processing, 2009, 07, 513-534.	1.3	10
113	Surface roughness determination using the acousto-optic technique: Theory and experiment. Applied Physics Letters, 1997, 71, 599-601.	3.3	9
114	Outgassing study of thin films used for poly-SiGe based vacuum packaging of MEMS. Microelectronics Reliability, 2011, 51, 1878-1881.	1.7	9
115	A fracture mechanics approach to fatigue of heavily drawn steel wires. Procedia Engineering, 2011, 10, 3259-3266.	1.2	9
116	On-line analysis of cracking in cortical bone under wedge penetration. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2012, 226, 709-717.	1.8	9
117	Fatigue properties of implant materials in hip prosthesis form: A standardized test. Journal of Biomedical Materials Research Part B, 1983, 17, 45-57.	3.1	8
118	Acousto-optic technique: A new nondestructive technique to evaluate thin layered structures. Applied Physics Letters, 1995, 66, 1466-1468.	3.3	8
119	A new method to determine the mechanical resonance frequency, quality factor and charging in electrostatically actuated MEMS. Proceedings of the IEEE International Conference on Micro Electro Mechanical Systems (MEMS), 2008, , .	0.0	8
120	Interfaces in polymer matrix composites from micromechanical tests to macromechanical properties. Makromolekulare Chemie Macromolecular Symposia, 1993, 75, 85-98.	0.6	7
121	<title>Fiber optic sensor for continuous health monitoring in CFRP composite materials</title>. , 2002, , .		7
122	The influence of correlated proteinâ€“water volume fluctuations on the apparent compressibility of proteins determined by ultrasonic velocimetry. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 1546-1551.	2.3	7
123	Ultrasonic velocities of concentric laminated uric acid stones. Ultrasonics, 1996, 34, 571-574.	3.9	6
124	Ultrasonic parameters of concentric laminated uric acid stones. Ultrasonics, 1995, 33, 463-467.	3.9	5
125	Using textile topography to analyze X-ray CT data of composite microstructure. Polymer Composites, 2003, 24, 212-220.	4.6	5
126	The porous structure of biodegradable scaffolds obtained with supercritical CO2 as foaming agent. Studies in Surface Science and Catalysis, 2007, 160, 681-688.	1.5	5

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127	Characterization of hysteretic stress-strain behavior using the integrated Preisach density. International Journal of Non-Linear Mechanics, 2008, 43, 151-163.	2.6	5
128	The Use of μ CT and ESEM in the Study of the Osmosis-Induced Water Uptake by Eurobitum Bituminized Radioactive Waste. Microscopy and Microanalysis, 2012, 18, 1163-1180.	0.4	5
129	Liquid detection in confined aircraft structures based on lyotropic percolation thresholds. Sensors and Actuators B: Chemical, 2012, 161, 791-798.	7.8	5
130	Internal fatigue crack initiation in drawn Ti-6Al-4V wires. Materials Science and Technology, 2016, 32, 1639-1645.	1.6	5
131	Compaction and shear failure of refractory mortars - effects of porosity and binder hardening. Journal of the European Ceramic Society, 2017, 37, 841-848.	5.7	5
132	Right ventricle outflow tract prestenting: In vitro testing of rigidity and corrosion properties. Catheterization and Cardiovascular Interventions, 2018, 91, 285-291.	1.7	5
133	A dataset of micro-scale tomograms of unidirectional glass fiber/epoxy and carbon fiber/epoxy composites acquired via synchrotron computed tomography during in-situ tensile loading. Data in Brief, 2021, 34, 106672.	1.0	5
134	In-Plane Heatwave Thermography as Digital Inspection Technique for Fasteners in Aircraft Fuselage Panels. Applied Sciences (Switzerland), 2021, 11, 132.	2.5	5
135	Online detection method for transient waves applied to continuous health monitoring of carbon-fiber-reinforced polymer composites with embedded optical fibers. , 2003, , .		4
136	Leakage monitoring using percolation sensors for revealing structural damage in engineering structures. Structural Control and Health Monitoring, 2014, 21, 1030-1042.	4.0	4
137	Quantification of micro-CT images of textile reinforcements. AIP Conference Proceedings, 2017, , .	0.4	4
138	Applications of CT for Non-destructive Testing and Materials Characterization. , 2018, , 267-331.		4
139	Using Acoustic Emission Measurements for Ice-Melting Detection. Applied Sciences (Switzerland), 2019, 9, 5387.	2.5	4
140	Identification of Fatigue Failure Modes in Carbon Fibre Reinforced Composites with the Energy Discriminating Acoustic Emission Method. , 1991, , 416-423.		4
141	The transverse strain response of cross-plyed fibre-reinforced ceramic-matrix composites. Composites Science and Technology, 1999, 59, 1469-1481.	7.8	3
142	<title>Increased impact damage resistance of shape memory alloy composites</title>. , 2001, 4234, 125.		3
143	Acoustic Emission (AE) and Nonlinear Elastic Wave Spectroscopy (NEWS) for Online Monitoring of Concrete Curing. Advanced Materials Research, 2006, 13-14, 213-220.	0.3	3
144	Aptamer-based surface plasmon resonance probe. , 2008, , .		3

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145	Influence of the load ratio on the threshold stress intensity factor range for heavily drawn steel wires. <i>Engineering Failure Analysis</i> , 2011, 18, 694-699.	4.0	3
146	Comparison of three methods to measure the internal pressure of empty MEMS packages. , 2012, , .		3
147	Acoustic Emission Health Monitoring of Historical Masonry to Evaluate Structural Integrity under Incremental Cyclic Loading. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	3
148	Acoustic emission monitoring using a multimode optical fibre sensor. <i>Insight: Non-Destructive Testing and Condition Monitoring</i> , 2004, 46, 203-209.	0.6	2
149	In vivo micro-CT-based FE models of guinea pigs with titanium implants: an STL-based approach. <i>International Congress Series</i> , 2004, 1268, 579-583.	0.2	2
150	Acoustic emission monitoring using a polarimetric single mode optical fiber sensor. , 2005, , .		2
151	Hierarchical Feature Subset Selection for Features Computed from the Continuous Wavelet Transform. , 0, , .		2
152	Piezotropic unfolding of lysozyme in pure D2O at the outer edge of excess hydration. <i>Chemical Physics Letters</i> , 2009, 469, 195-200.	2.6	2
153	Constant Strain Rate and Peri-Implant Bone Modeling: An In Vivo Longitudinal Micro-CT Analysis. <i>Clinical Implant Dentistry and Related Research</i> , 2013, 15, 358-366.	3.7	2
154	Thermoelastic Characterization of Changing Phase Distribution in Hardened Steel by Laser Ultrasonics. <i>International Journal of Thermophysics</i> , 2013, 34, 1754-1761.	2.1	2
155	A Systematical Method to Determine the Internal Pressure and Hermeticity of MEMS Packages. <i>Journal of Microelectromechanical Systems</i> , 2014, 23, 862-870.	2.5	2
156	A Surface Plasmon Resonance Optical Fibre Sensor for Testing Detergent Cleaning Efficiency. <i>Journal of Surfactants and Detergents</i> , 2015, 18, 697-706.	2.1	2
157	Quantitative 3D characterisation of porous NiTi fabricated by self-propagating high temperature synthesis using X-ray microtomography. <i>Materials Science and Technology</i> , 2015, 31, 594-602.	1.6	2
158	Development of Methodology to Assess the Failure Behaviour of Bamboo Single Fibre by Acoustic Emission Technique. <i>Journal of the Institution of Engineers (India): Series D</i> , 2017, 98, 9-17.	1.0	2
159	Lithotripsy: Energy Aspiration of the Matrix in Renal Stones. , 1993, , 631-634.		2
160	Anisotropic damage formation in brittle rock: Experimental study by means of acoustic emission and Kaiser effect. <i>European Physical Journal Special Topics</i> , 2003, 105, 321-328.	0.2	2
161	Development and characterization of a rat brain metastatic tumor model by multiparametric magnetic resonance imaging and histomorphology. <i>Clinical and Experimental Metastasis</i> , 2022, , 1.	3.3	2
162	Investigation of the elastic parameters of hardened steel by laser-excited and detected acoustic waves. , 1999, , .		1

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163	Acoustic emission monitoring using a multimode optical fiber sensor. , 2004, 5391, 72.		1
164	Morphological Analysis of Slipâ€Cast Emulsionâ€Templated Alumina Foams by Microfocus Computer Tomography. Journal of the American Ceramic Society, 2010, 93, 3921-3928.	3.8	1
165	Fast and accurate determination of the detergent efficiency by optical fiber sensors. Proceedings of SPIE, 2011, , .	0.8	1
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