

# 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	Acoustic emission source characterisation of chloride-induced corrosion damage in reinforced concrete. <i>Structural Health Monitoring</i> , 2022, 21, 1266-1286.	7.5	20
2	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
3	Combining digital image correlation with X-ray computed tomography for characterization of fiber orientation in unidirectional composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 142, 106234.	7.6	33
4	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. <i>Data in Brief</i> , 2021, 34, 106672.	1.0	5
5	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
6	In-Plane Heatwave Thermography as Digital Inspection Technique for Fasteners in Aircraft Fuselage Panels. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 132.	2.5	5
7	Observation of crack initiation zone in brick masonry couplets under compression using X-ray microfocus computed tomography and digital image correlation. <i>International Journal of Masonry Research and Innovation</i> , 2020, 5, 518.	0.4	1
8	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
9	Assessing the bond behaviour of corroded smooth and ribbed rebars with acoustic emission monitoring. <i>Cement and Concrete Research</i> , 2019, 120, 176-186.	11.0	37
10	Is Hypoxia Related to External Cervical Resorption? A Case Report. <i>Journal of Endodontics</i> , 2019, 45, 459-470.	3.1	21
11	Laser ultrasonic inspection for crack detection in a rotating tube under dynamic load. <i>Proceedings of Meetings on Acoustics</i> , 2019, , .	0.3	0
12	Using Acoustic Emission Measurements for Ice-Melting Detection. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5387.	2.5	4
13	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
14	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
15	Investigation of delamination in carbon fiber reinforced plastic by means of pulse thermography, shearography and active thermography. <i>Proceedings of Meetings on Acoustics</i> , 2019, , .	0.3	0
16	Moisture Climate Monitoring in Confined Spaces Using Percolation Sensors. <i>Communications in Computer and Information Science</i> , 2019, , 482-493.	0.5	0
17	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
18	Acoustic emission characteristics of fracture modes in masonry materials. <i>Construction and Building Materials</i> , 2018, 162, 914-922.	7.2	31

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19	Applications of CT for Non-destructive Testing and Materials Characterization. , 2018, , 267-331.		4
20	Right ventricle outflow tract prestenting: In vitro testing of rigidity and corrosion properties. Catheterization and Cardiovascular Interventions, 2018, 91, 285-291.	1.7	5
21	Acoustic Emission Health Monitoring of Historical Masonry to Evaluate Structural Integrity under Incremental Cyclic Loading. Proceedings (mdpi), 2018, 2, .	0.2	3
22	Strain development in bulk-filled cavities of different depths characterized using a non-destructive acoustic emission approach. Dental Materials, 2017, 33, e165-e177.	3.5	15
23	Understanding external cervical resorption patterns in endodontically treated teeth. International Endodontic Journal, 2017, 50, 1116-1133.	5.0	46
24	The influence of load holds on the fatigue behaviour of drawn Ti-6Al-4V wires. International Journal of Fatigue, 2017, 98, 203-211.	5.7	21
25	CoCr F75 scaffolds produced by additive manufacturing: Influence of chemical etching on powder removal and mechanical performance. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 68, 216-223.	3.1	19
26	CoCr F75 scaffolds produced by additive manufacturing: Influence of chemical etching on powder removal and mechanical performance. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 70, 60-67.	3.1	64
27	Modeling the dose dependence of the vis-absorption spectrum of EBT3 GafChromicâ„¢ films. Medical Physics, 2017, 44, 2532-2543.	3.0	19
28	Investigation of fatigue crack initiation facets in Ti-6Al-4V using focused ion beam milling and electron backscatter diffraction. Journal of Microscopy, 2017, 267, 57-69.	1.8	22
29	Identification of the flax fibre modulus based on an impregnated quasi-unidirectional fibre bundle test and X-ray computed tomography. Composites Science and Technology, 2017, 151, 124-130.	7.8	19
30	Development of Methodology to Assess the Failure Behaviour of Bamboo Single Fibre by Acoustic Emission Technique. Journal of the Institution of Engineers (India): Series D, 2017, 98, 9-17.	1.0	2
31	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
32	Quantification of micro-CT images of textile reinforcements. AIP Conference Proceedings, 2017, , .	0.4	4
33	A spectroscopic study of the chromatic properties of GafChromicâ„¢EBT3 films. Medical Physics, 2016, 43, 1156-1166.	3.0	29
34	Internal fatigue crack initiation in drawn Ti-6Al-4V wires. Materials Science and Technology, 2016, 32, 1639-1645.	1.6	5
35	The influence of the alpha grain size on internal fatigue crack initiation in drawn Ti-6Al-4V wires. Procedia Structural Integrity, 2016, 2, 1055-1062.	0.8	22
36	Understanding External Cervical Resorption in Vital Teeth. Journal of Endodontics, 2016, 42, 1737-1751.	3.1	95

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37	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. <i>Journal of Nuclear Materials</i> , 2016, 468, 289-298.	2.7	31
38	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
39	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
40	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
41	A novel multimodular methodology to investigate external cervical tooth resorption. <i>International Endodontic Journal</i> , 2016, 49, 287-300.	5.0	48
42	Synchrotron X-ray computed laminography of the three-dimensional anatomy of tomato leaves. <i>Plant Journal</i> , 2015, 81, 169-182.	5.7	82
43	X-RAY VISION TO DETECT CA INDUCED DISORDERS IN 'BRAEBURN' APPLES: FROM MICROSTRUCTURE IMAGING TO ON-LINE SORTING. <i>Acta Horticulturae</i> , 2015, , 129-136.	0.2	0
44	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
45	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
46	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
47	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
48	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
49	3D volumetric displacement and strain analysis of composite polymerization. <i>Dental Materials</i> , 2015, 31, 453-461.	3.5	33
50	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
51	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
52	Characterization of stable and transient cavitation bubbles in a milliflow reactor using a multibubble sonoluminescence quenching technique. <i>Ultrasonics Sonochemistry</i> , 2015, 25, 31-39.	8.2	32
53	Contrast-Enhanced Nanofocus X-Ray Computed Tomography Allows Virtual Three-Dimensional Histopathology and Morphometric Analysis of Osteoarthritis in Small Animal Models. <i>Cartilage</i> , 2014, 5, 55-65.	2.7	33
54	Leakage monitoring using percolation sensors for revealing structural damage in engineering structures. <i>Structural Control and Health Monitoring</i> , 2014, 21, 1030-1042.	4.0	4

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55	X-ray CT for quantitative food microstructure engineering: The apple case. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2014, 324, 88-94.	1.4	62
56	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
57	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. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 618, 406-415.	5.6	33
58	The effect of spatial micro-CT image resolution and surface complexity on the morphological 3D analysis of open porous structures. <i>Materials Characterization</i> , 2014, 87, 104-115.	4.4	30
59	Comparison of X-ray CT and MRI of watercore disorder of different apple cultivars. <i>Postharvest Biology and Technology</i> , 2014, 87, 42-50.	6.0	103
60	Characterisation of structural patterns in bread as evaluated by X-ray computer tomography. <i>Journal of Food Engineering</i> , 2014, 123, 67-77.	5.2	38
61	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
62	Analysis and Segmentation of a Three-Dimensional X-ray Computed Tomography Image of a Textile Composite. <i>Lecture Notes in Computer Science</i> , 2014, , 133-142.	1.3	0
63	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
64	High-Resolution Microfocus X-Ray Computed Tomography for 3D Surface Roughness Measurements of Additive Manufactured Porous Materials. <i>Advanced Engineering Materials</i> , 2013, 15, 153-158.	3.5	82
65	A novel method to measure the internal pressure of MEMS thin-film packages. <i>Microelectronics Reliability</i> , 2013, 53, 1663-1666.	1.7	1
66	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
67	In-situ spectroscopic investigation of ultrasonic assisted unfolding and aggregation of insulin. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 336-341.	2.3	1
68	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
69	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
70	Surface Roughness and Morphology Customization of Additive Manufactured Open Porous Ti6Al4V Structures. <i>Materials</i> , 2013, 6, 4737-4757.	2.9	184
71	The Use of $\mu$ CT and ESEM in the Study of the Osmosis-Induced Water Uptake by Eurobitum Bituminized Radioactive Waste. <i>Microscopy and Microanalysis</i> , 2012, 18, 1163-1180.	0.4	5
72	Comparison of three methods to measure the internal pressure of empty MEMS packages. , 2012, , .		3

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73	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
74	Surface Modification of Ti6Al4V Open Porous Structures Produced by Additive Manufacturing. Advanced Engineering Materials, 2012, 14, 363-370.	3.5	219
75	Crack detection in aluminium plates for aerospace applications by electromagnetic impedance spectroscopy using flat coil sensors. Sensors and Actuators A: Physical, 2012, 176, 57-63.	4.1	13
76	Liquid detection in confined aircraft structures based on lyotropic percolation thresholds. Sensors and Actuators B: Chemical, 2012, 161, 791-798.	7.8	5
77	IN-SITU SPECTROSCOPIC INVESTIGATION OF UNFOLDING AND AGGREGATION OF INSULIN UNDER ULTRASONIC EXCITATION - An Ultrasonic Actuator for FTIR-spectrometry on Biomatter. , 2012, , .		0
78	Fast and accurate determination of the detergent efficiency by optical fiber sensors. Proceedings of SPIE, 2011, , .	0.8	1
79	Outgassing study of thin films used for poly-SiGe based vacuum packaging of MEMS. Microelectronics Reliability, 2011, 51, 1878-1881.	1.7	9
80	Influence of the load ratio on the threshold stress intensity factor range for heavily drawn steel wires. Engineering Failure Analysis, 2011, 18, 694-699.	4.0	3
81	A fracture mechanics approach to fatigue of heavily drawn steel wires. Procedia Engineering, 2011, 10, 3259-3266.	1.2	9
82	A Three-Dimensional Multiscale Model for Gas Exchange in Fruit . Plant Physiology, 2011, 155, 1158-1168.	4.8	152
83	Multifractal properties of pore-size distribution in apple tissue using X-ray imaging. Journal of Food Engineering, 2010, 99, 206-215.	5.2	81
84	Influence of non-metallic inclusions on the fatigue properties of heavily cold drawn steel wires. Procedia Engineering, 2010, 2, 173-181.	1.2	34
85	Morphological Analysis of Slip-Cast Emulsion-Templated Alumina Foams by Microfocus Computer Tomography. Journal of the American Ceramic Society, 2010, 93, 3921-3928.	3.8	1
86	Baking Gradients Cause Heterogeneity in Starch and Proteins in Pound Cake. Cereal Chemistry, 2010, 87, 475-480.	2.2	20
87	Fruit Microstructure Evaluation Using Synchrotron X-Ray Computed Tomography. Food Engineering Series, 2010, , 589-598.	0.7	1
88	Multiscale Modelling of Gas Transport in Pome Fruit A paper from the State-of-the-Art in Application of Finite Element Numerical Solutions to Engineering Problems: A Session Honoring Pioneering Contributions of Professor Kamyar Haghighi of Purdue Universi. , 2009, , .		0
89	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
90	The influence of Young's modulus of loaded implants on bone remodeling: An experimental and numerical study in the goat knee. Journal of Biomedical Materials Research - Part A, 2009, 90A, 792-803.	4.0	15

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91	Fiber optic SPR biosensing of DNA hybridization and DNA-protein interactions. <i>Biosensors and Bioelectronics</i> , 2009, 25, 864-869.	10.1	208
92	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
93	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
94	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
95	Active and passive monitoring of the early hydration process in concrete using linear and nonlinear acoustics. <i>Cement and Concrete Research</i> , 2009, 39, 426-432.	11.0	81
96	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
97	Characterization of the porous structure of biodegradable scaffolds obtained with supercritical CO2 as foaming agent. <i>Journal of Porous Materials</i> , 2008, 15, 397-403.	2.6	33
98	The influence of correlated protein-water volume fluctuations on the apparent compressibility of proteins determined by ultrasonic velocimetry. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 1546-1551.	2.3	7
99	Characterization of hysteretic stress-strain behavior using the integrated Preisach density. <i>International Journal of Non-Linear Mechanics</i> , 2008, 43, 151-163.	2.6	5
100	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
101	A new method to determine the mechanical resonance frequency, quality factor and charging in electrostatically actuated MEMS. <i>Proceedings of the IEEE International Conference on Micro Electro Mechanical Systems (MEMS)</i> , 2008, , .	0.0	8
102	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
103	Aptamer-based surface plasmon resonance probe. , 2008, , .		3
104	Validation of x-ray microfocus computed tomography as an imaging tool for porous structures. <i>Review of Scientific Instruments</i> , 2008, 79, 013711.	1.3	79
105	The porous structure of biodegradable scaffolds obtained with supercritical CO2 as foaming agent. <i>Studies in Surface Science and Catalysis</i> , 2007, 160, 681-688.	1.5	5
106	Quantification of pre-peak brittle damage: Correlation between acoustic emission and observed micro-fracturing. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2007, 44, 720-729.	5.8	88
107	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
108	Three-dimensional pore space quantification of apple tissue using X-ray computed microtomography. <i>Planta</i> , 2007, 226, 559-570.	3.2	189

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109	Pore structure changes during decomposition of fresh residue: X-ray tomography analyses. <i>Geoderma</i> , 2006, 134, 82-96.	5.1	114
110	Structural and radiological parameters for the characterization of jawbone. <i>Clinical Oral Implants Research</i> , 2006, 17, 124-133.	4.5	37
111	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
112	Acoustic Emission (AE) and Nonlinear Elastic Wave Spectroscopy (NEWS) for Online Monitoring of Concrete Curing. <i>Advanced Materials Research</i> , 2006, 13-14, 213-220.	0.3	3
113	Low-frequency ultrasonic piezoceramic sandwich transducer. <i>Sensors and Actuators A: Physical</i> , 2005, 122, 284-289.	4.1	12
114	Micro-CT characterization of variability in 3D textile architecture. <i>Composites Science and Technology</i> , 2005, 65, 1920-1930.	7.8	215
115	Micro-rotary fatigue of tooth-biomaterial interfaces. <i>Biomaterials</i> , 2005, 26, 1145-1153.	11.4	74
116	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
117	Acoustic emission monitoring using a polarimetric single mode optical fiber sensor. , 2005, , .		2
118	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
119	Acoustic emission monitoring using a multimode optical fiber sensor. , 2004, 5391, 72.		1
120	The Physical and Antimicrobial Effects of Microwave Heating and Alcohol Immersion on Catheters that Are Reused for Clean Intermittent Catheterisation. <i>European Urology</i> , 2004, 46, 641-646.	1.9	29
121	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
122	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
123	Age Calculation Using X-ray Microfocus Computed Tomographical Scanning of Teeth: A Pilot Study. <i>Journal of Forensic Sciences</i> , 2004, 49, 1-4.	1.6	75
124	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
125	Analysis of the time course of core breakdown in "Conference"™ pears by means of MRI and X-ray CT. <i>Postharvest Biology and Technology</i> , 2003, 29, 19-28.	6.0	77
126	MRI and x-ray CT study of spatial distribution of core breakdown in "Conference"™ pears. <i>Magnetic Resonance Imaging</i> , 2003, 21, 805-815.	1.8	102



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127	Impact damage behaviour of shape memory alloy composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 342, 207-215.	5.6	89
128	Progressive versus constant tapered shaft design using NiTi rotary instruments. <i>International Endodontic Journal</i> , 2003, 36, 288-295.	5.0	149
129	Using textile topography to analyze X-ray CT data of composite microstructure. <i>Polymer Composites</i> , 2003, 24, 212-220.	4.6	5
130	Pore network modeling of permeability for textile reinforcements. <i>Polymer Composites</i> , 2003, 24, 344-357.	4.6	44
131	Online detection method for transient waves applied to continuous health monitoring of carbon-fiber-reinforced polymer composites with embedded optical fibers. , 2003, , .		4
132	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
133	CORE BREAKDOWN 'CONFERENCE' PEARS: A PROBLEM OF RESPIRATION AND DIFFUSION. <i>Acta Horticulturae</i> , 2003, , 377-384.	0.2	0
134	Mechanical analysis and microstructural characterisation of metal foams. <i>Materials Science and Technology</i> , 2002, 18, 489-494.	1.6	37
135	<title>Fiber optic sensor for continuous health monitoring in CFRP composite materials</title>. , 2002, , .		7
136	Cervical external root resorption in vital teeth. <i>Journal of Clinical Periodontology</i> , 2002, 29, 580-585.	4.9	82
137	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
138	Smooth flexible versus active tapered shaft design using NiTi rotary instruments. <i>International Endodontic Journal</i> , 2002, 35, 820-828.	5.0	70
139	Structural and Radiological Parameters for the Nondestructive Characterization of Trabecular Bone. <i>Annals of Biomedical Engineering</i> , 2001, 29, 1064-1073.	2.5	20
140	Tensile fatigue behaviour of glass plain-weave fabric composites in on- and off-axis directions. <i>Composites Part A: Applied Science and Manufacturing</i> , 2001, 32, 1533-1539.	7.6	84
141	A methodology for quantitative evaluation of root canal instrumentation using microcomputed tomography. <i>International Endodontic Journal</i> , 2001, 34, 390-398.	5.0	138
142	Towards 3-D petrography: application of microfocus computer tomography in geological science. <i>Computers and Geosciences</i> , 2001, 27, 1091-1099.	4.2	84
143	A Method for $\hat{\mu}$ CT Based Assessment of Root Canal Instrumentation in Endodontics Research. <i>Lecture Notes in Computer Science</i> , 2001, , 1215-1217.	1.3	0
144	<title>Increased impact damage resistance of shape memory alloy composites</title>. , 2001, 4234, 125.		3

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145	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
146	Schlieren photography study of energy absorption by uric acid nuclei. <i>Ultrasound in Medicine and Biology</i> , 2000, 26, 335-340.	1.5	0
147	Quantitative analysis of reservoir rocks by microfocus X-ray computerised tomography. <i>Sedimentary Geology</i> , 2000, 132, 25-36.	2.1	196
148	Modal analysis of acoustic emission signals from CFRP laminates. <i>NDT and E International</i> , 1999, 32, 311-322.	3.7	124
149	One sensor linear location of acoustic emission events using plate wave theories. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1999, 265, 254-261.	5.6	65
150	The transverse strain response of cross-plyed fibre-reinforced ceramic-matrix composites. <i>Composites Science and Technology</i> , 1999, 59, 1469-1481.	7.8	3
151	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
152	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
153	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
154	Experimental verification of the theory of multilayered Rayleigh waves. <i>Journal of Applied Physics</i> , 1999, 86, 1128-1135.	2.5	10
155	Investigation of the elastic parameters of hardened steel by laser-excited and detected acoustic waves. , 1999, , .		1
156	The influence of loading frequency on the high-temperature fatigue behavior of a Nicalon-fabric-reinforced polymer-derived ceramic-matrix composite. <i>Scripta Materialia</i> , 1998, 38, 1781-1788.	5.2	10
157	Comparative study of the surface roughness of Nicalon and Tyranno silicon carbide fibres. <i>Composites Part A: Applied Science and Manufacturing</i> , 1998, 29, 1417-1423.	7.6	10
158	Acoustic Emission from CFRP Laminates during Fatigue Loading. <i>Journal of Reinforced Plastics and Composites</i> , 1998, 17, 1185-1201.	3.1	16
159	Surface roughness determination using the acousto-optic technique: Theory and experiment. <i>Applied Physics Letters</i> , 1997, 71, 599-601.	3.3	9
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