

Thomas G Gries

List of Publications by Year in descending order

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327
papers

4,257
citations

172457

29
h-index

189892

50
g-index

390
all docs

390
docs citations

390
times ranked

4531
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of textile electrodes and conductors using standardized measurement setups. <i>Physiological Measurement</i> , 2010, 31, 233-247.	2.1	262
2	Recommendation of RILEM TC 232-TDT: test methods and design of textile reinforced concrete. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 4923-4927.	3.1	171
3	Fibrin-poly lactide-based tissue-engineered vascular graft in the arterial circulation. <i>Biomaterials</i> , 2010, 31, 4731-4739.	11.4	122
4	Novel Carbon Nanotube/Cellulose Composite Fibers As Multifunctional Materials. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 22404-22412.	8.0	114
5	Production of porous cellulose aerogel fibers by an extrusion process. <i>Journal of Supercritical Fluids</i> , 2015, 106, 105-114.	3.2	108
6	Effect of nanomaterial on mode I and mode II interlaminar fracture toughness of woven carbon fabric reinforced polymer composites. <i>Engineering Fracture Mechanics</i> , 2017, 180, 73-86.	4.3	104
7	Influences of textile characteristics on the tensile properties of warp knitted cement based composites. <i>Cement and Concrete Composites</i> , 2008, 30, 174-183.	10.7	100
8	Neutrophil-Derived Cathelicidin Protects from Neointimal Hyperplasia. <i>Science Translational Medicine</i> , 2011, 3, 103ra98.	12.4	100
9	Tissue-Engineered Small-Caliber Vascular Graft Based on a Novel Biodegradable Composite Fibrin-Poly lactide Scaffold. <i>Tissue Engineering - Part A</i> , 2009, 15, 1909-1918.	3.1	98
10	Causal Linkages Between Domestic Terrorism and Economic Growth. <i>Defence and Peace Economics</i> , 2011, 22, 493-508.	1.9	85
11	Growth of ZnO Nanorods on Graphitic Carbon Nitride gCN Sheets for the Preparation of Photocatalysts with High Visible-Light Activity. <i>ChemCatChem</i> , 2018, 10, 4973-4983.	3.7	76
12	3-D Textiles for Advanced Cement Based Matrix Reinforcement. <i>Journal of Industrial Textiles</i> , 2007, 37, 163-173.	2.4	55
13	Core/shell rGO/BiOBr particles with visible photocatalytic activity towards water pollutants. <i>Applied Surface Science</i> , 2019, 490, 580-591.	6.1	55
14	An overview on fabrication methods for polymer optical fibers. <i>Polymer International</i> , 2015, 64, 25-36.	3.1	52
15	Electro-spun Membranes as Scaffolds for Human Corneal Endothelial Cells. <i>Current Eye Research</i> , 2018, 43, 1-11.	1.5	52
16	Sensory carbon fiber based textile-reinforced concrete for smart structures. <i>Journal of Intelligent Material Systems and Structures</i> , 2016, 27, 469-489.	2.5	51
17	Development of a Composite Degradable/Nondegradable Tissue-Engineered Vascular Graft. <i>Artificial Organs</i> , 2008, 32, 800-809.	1.9	50
18	Spinnability and Characteristics of Polyvinylidene Fluoride (PVDF)-based Bicomponent Fibers with a Carbon Nanotube (CNT) Modified Polypropylene Core for Piezoelectric Applications. <i>Materials</i> , 2013, 6, 2642-2661.	2.9	50

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19	Improved electrical conductivity of NCF-reinforced CFRP for higher damage resistance to lightning strike. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 100, 352-360.	7.6	47
20	Coating of conductive yarns for electro-textile applications. <i>Journal of the Textile Institute</i> , 2013, 104, 270-277.	1.9	43
21	Heterostructured thin LaFeO ₃ /g-C ₃ N ₄ films for efficient photoelectrochemical hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 17468-17479.	7.1	42
22	Three-dimensional nonwoven scaffolds from a novel biodegradable poly(ester amide) for tissue engineering applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 257-267.	3.6	39
23	One pot synthesis of bismuth oxide/graphitic carbon nitride composites with high photocatalytic activity. <i>Molecular Catalysis</i> , 2019, 463, 110-118.	2.0	39
24	Integrated self-monitoring of carbon based textile reinforced concrete beams under repeated loading in the un-cracked region. <i>Carbon</i> , 2016, 98, 238-249.	10.3	36
25	4D Textiles Made by Additive Manufacturing on Pre-Stressed Textiles – An Overview. <i>Actuators</i> , 2021, 10, 31.	2.3	34
26	Investigation of surface modification and volume content of glass and carbon fibres from fibre reinforced polymer waste for reinforcing concrete. <i>Journal of Hazardous Materials</i> , 2020, 390, 121797.	12.4	33
27	Effects of fabric structures on the tensile properties of warp-knitted fabrics used as concrete reinforcements. <i>Textile Research Journal</i> , 2015, 85, 1934-1945.	2.2	32
28	Graphitic carbon nitride/SmFeO ₃ composite Z-scheme photocatalyst with high visible light activity. <i>Nanotechnology</i> , 2020, 31, 465704.	2.6	32
29	Carbon fiber production costing: a modular approach. <i>Textile Research Journal</i> , 2016, 86, 178-190.	2.2	31
30	Skin Electrode Impedance of Textile Electrodes for Bioimpedance Spectroscopy. , 2007, , 260-263.		31
31	Comparative low-velocity impact response of textile-reinforced concrete and steel-fiber-reinforced concrete beams. <i>Journal of Composite Materials</i> , 2016, 50, 2421-2431.	2.4	30
32	Copper octacarboxyphthalocyanine as sensitizer of graphitic carbon nitride for efficient dye degradation under visible light irradiation. <i>Applied Catalysis A: General</i> , 2018, 563, 127-136.	4.3	30
33	Incorporating crystallinity distributions into a thermo-mechanically coupled constitutive model for semi-crystalline polymers. <i>International Journal of Plasticity</i> , 2020, 135, 102751.	8.8	30
34	Polyethylene-Based Carbon Fibers by the Use of Sulphonation for Stabilization. <i>Fibers</i> , 2015, 3, 373-379.	4.0	29
35	Structure, properties, and phase transitions of melt-spun poly(vinylidene fluoride) fibers. <i>Journal of Applied Polymer Science</i> , 2011, 120, 21-35.	2.6	28
36	Manufacturing of textiles for civil engineering applications. , 2016, , 3-24.		28

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37	Functionally modified, melt-spun electrospun thermoplastic polyurethane mats for wound dressing applications. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	27
38	Heterostructured g-CN/TiO ₂ Photocatalysts Prepared by Thermolysis of g-CN/MIL-125(Ti) Composites for Efficient Pollutant Degradation and Hydrogen Production. <i>Nanomaterials</i> , 2020, 10, 1387.	4.1	27
39	Carbon rovings as strain sensors for structural health monitoring of engineering materials and structures. <i>Journal of Strain Analysis for Engineering Design</i> , 2016, 51, 482-492.	1.8	25
40	Poly(4-methyl-1-pentene) as a semicrystalline polymeric matrix for gas separating membranes. <i>Journal of Membrane Science</i> , 2020, 598, 117754.	8.2	25
41	Financial deepening, trade openness and economic growth in Latin America and the Caribbean. <i>Applied Economics</i> , 2011, 43, 4729-4739.	2.2	24
42	Innovative Coating Technology for Textile Reinforcements of Concrete Applications. <i>Key Engineering Materials</i> , 0, 466, 167-173.	0.4	24
43	Distributed cracking mechanisms in textile-reinforced concrete under high speed tensile tests. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 2781-2798.	3.1	24
44	Influence of process parameters on filament distribution and blending quality in commingled yarns used for thermoplastic composites. <i>Journal of Thermoplastic Composite Materials</i> , 2014, 27, 350-363.	4.2	23
45	Explaining inter-provincial migration in China. <i>Papers in Regional Science</i> , 2016, 95, 709-732.	1.9	23
46	Economic Performance And Terrorist Activity In Latin America. <i>Defence and Peace Economics</i> , 2012, 23, 447-470.	1.9	22
47	Mechanical and tribological properties of a novel hydrogel composite reinforced by three-dimensional woven textiles as a functional synthetic cartilage. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 115, 123-133.	7.6	22
48	Bismuth oxybromide/reduced graphene oxide heterostructure sensitized with Zn-tetracarboxyphthalocyanine as a highly efficient photocatalyst for the degradation of Orange II and phenol. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107332.	6.7	22
49	The BioStent: Novel Concept for a Viable Stent Structure. <i>Tissue Engineering - Part A</i> , 2012, 18, 1818-1826.	3.1	21
50	Influence of the fabric construction parameters and roving type on the tensile property retention of high-performance rovings in warp-knitted reinforced fabrics and cement-based composites. <i>Journal of Industrial Textiles</i> , 2017, 47, 453-471.	2.4	21
51	Human Digital Shadow: Data-based Modeling of Users and Usage in the Internet of Production. , 2021, , .		21
52	Fracture behavior of adhesively bonded carbon fabric composite plates with nano materials filled polymer matrix under DCB, ENF and SLS tests. <i>Engineering Fracture Mechanics</i> , 2018, 202, 275-287.	4.3	20
53	Self-optimising Production Systems. , 2012, , 697-986.		19
54	Extrusion of CNT-modified Polymers with Low Viscosity - Influence of Crystallization and CNT Orientation on the Electrical Properties. <i>Polymers and Polymer Composites</i> , 2013, 21, 473-482.	1.9	19

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55	Micro and macro crack sensing in TRC beam under cyclic loading. Journal of Mechanics of Materials and Structures, 2017, 12, 579-601.	0.6	19
56	4D Textiles: Hybrid Textile Structures that Can Change Structural Form with Time by 3D Printing. , 2018, , 189-201.		19
57	Project Life INSUSHELL: Reducing the Carbon Footprint in Concrete Construction. International Journal of Sustainable Building Technology and Urban Development, 2011, 2, 162-169.	1.0	18
58	Model based self-optimization of the weaving process. CIRP Journal of Manufacturing Science and Technology, 2015, 9, 88-96.	4.5	18
59	Permeability of AR-glass fibers roving embedded in cementitious matrix. Materials and Structures/Materiaux Et Constructions, 2011, 44, 245-251.	3.1	17
60	Modification of the mechanical properties of polyamide 6 multifilaments in high-speed melt spinning with nano silicates. Textile Reseach Journal, 2012, 82, 1846-1858.	2.2	17
61	Orientation of Well-Dispersed Multiwalled Carbon Nanotubes in Melt-Spun Polymer Fibers and Its Impact on the Formation of the Semicrystalline Polymer Structure: A Combined Wide-Angle X-ray Scattering and Electron Tomography Study. Macromolecules, 2013, 46, 5604-5613.	4.8	17
62	3D Non-Woven Polyvinylidene Fluoride Scaffolds: Fibre Cross Section and Texturizing Patterns Have Impact on Growth of Mesenchymal Stromal Cells. PLoS ONE, 2014, 9, e94353.	2.5	17
63	INDUSTRIE 4.0 - Automation in weft knitting technology. IOP Conference Series: Materials Science and Engineering, 2016, 141, 012014.	0.6	17
64	Effect of coating type on the mechanical performance of warp-knitted fabrics and cement-based composites. Journal of Composite Materials, 2018, 52, 2563-2576.	2.4	17
65	Mutual Effect of Textile Binding and Coating on the Structural Performance of TRC Beams. Journal of Materials in Civil Engineering, 2020, 32, .	2.9	17
66	Polyesteramide-Derived Nonwovens as Innovative Degradable Matrices Support Preadipocyte Adhesion, Proliferation, and Differentiation. Tissue Engineering, 2006, 12, 3557-3565.	4.6	16
67	Plasma-surface interaction in heptane. Journal of Applied Physics, 2013, 113, 213303.	2.5	16
68	A method for investigating blending quality of commingled yarns. Textile Reseach Journal, 2013, 83, 122-129.	2.2	16
69	Design of Tailored Non-Crimp Fabrics Based on Stitching Geometry. Applied Composite Materials, 2018, 25, 113-127.	2.5	16
70	Adsorption and superficial transport of oil on biological and bionic superhydrophobic surfaces: a novel technique for "water separation. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190447.	3.4	16
71	Getting Small Medium Enterprises started on Industry 4.0 using retrofitting solutions. Procedia Manufacturing, 2020, 45, 208-214.	1.9	16
72	Numerical Analysis of Filament Wound Cylindrical Composite Pressure Vessels Accounting for Variable Dome Contour. Journal of Composites Science, 2021, 5, 56.	3.0	16

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73	On the electropolishing of NiTi braided stents - challenges and solutions. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2014, 45, 920-929.	0.9	15
74	Sensing capabilities of carbon based TRC beam from slack to pull-out mechanism. <i>Composite Structures</i> , 2017, 181, 294-305.	5.8	15
75	Design framework for model-based self-optimizing manufacturing systems. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 97, 519-528.	3.0	15
76	Bioimpedance Spectroscopy with textile Electrodes for a continuous Monitoring Application. , 2007, , 23-28.		15
77	Characterisation of piezoelectric PVDF monofilaments. <i>Materials Technology</i> , 2011, 26, 140-145.	3.0	14
78	Photocatalytic performance of melt-electrospun polypropylene fabric decorated with TiO2 nanoparticles. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	14
79	Interaction of textile variability and flow channel distribution systems on flow front progression in the RTM process. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 106, 70-81.	7.6	14
80	Nanomagnetic Actuation of Hybrid Stents for Hyperthermia Treatment of Hollow Organ Tumors. <i>Nanomaterials</i> , 2021, 11, 618.	4.1	14
81	Targeting In-Stent-Stenosis with RGD- and CXCL1-Coated Mini-Stents in Mice. <i>PLoS ONE</i> , 2016, 11, e0155829.	2.5	14
82	Geometrical and mechanical properties of a non-crimp fabric applicable for textile reinforced concrete. <i>Journal of the Textile Institute</i> , 2014, 105, 711-716.	1.9	13
83	Process-structure relationship of carbon/ polyphenylene sulfide commingled hybrid yarns used for thermoplastic composites. <i>Journal of Industrial Textiles</i> , 2016, 45, 1661-1673.	2.4	13
84	Smart textile reinforcement with embedded stainless steel yarns for the detection of wetting and infiltration in TRC structures. <i>Sensors and Actuators A: Physical</i> , 2016, 243, 139-150.	4.1	13
85	Electro-spun PLA-PEG-yarns for tissue engineering applications. <i>Biomedizinische Technik</i> , 2018, 63, 231-243.	0.8	13
86	Development of a Polymer-Based Biodegradable Neurovascular Stent Prototype: A Preliminary In Vitro and In Vivo Study. <i>Macromolecular Bioscience</i> , 2018, 18, e1700292.	4.1	13
87	Finite element modeling to predict the steady-state structural behavior of 4D textiles. <i>Textile Research Journal</i> , 2019, 89, 3484-3498.	2.2	13
88	Sustainable composites: Processing of coir fibres and application in hybrid-fibre composites. <i>Journal of Composite Materials</i> , 2020, 54, 1947-1960.	2.4	13
89	An Overview on Methods for Producing Side-Emitting Polymer Optical Fibers. <i>Textiles</i> , 2021, 1, 337-360.	4.1	13
90	Stresses in textured and polycrystalline cubic films by Raman spectroscopy: Application to diamond. <i>Journal of Applied Physics</i> , 2007, 102, 083519.	2.5	12

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91	Trade and Endogenous Formation of Regions in a Developing Country. Review of Development Economics, 2008, 12, 248-275.	1.9	12
92	Faser- und textilbasierte Lichtleitung in Betonbauteilen - Lichtleitender Beton. Beton- Und Stahlbetonbau, 2009, 104, 121-126.	0.4	12
93	Experimental and numerical studies of process variabilities in biaxial carbon fiber braids. International Journal of Material Forming, 2021, 14, 39-54.	2.0	12
94	Innovation in 3D Braiding Technology and Its Applications. Textiles, 2021, 1, 185-205.	4.1	12
95	A review of polyethylene-based carbon fiber manufacturing. , 2022, 1, .		12
96	Explaining Regional Export Performance in a Developing Country: The Role of Geography and Relative Factor Endowments. Regional Studies, 2009, 43, 967-979.	4.4	11
97	Optimisation of the warp yarn tension on a warp knitting machine. Autex Research Journal, 2012, 12, 29-33.	1.1	11
98	Tubular Woven Narrow Fabrics for Replacement of Cruciate Ligaments. Annals of Biomedical Engineering, 2013, 41, 1950-1956.	2.5	11
99	Polymer-optical fibre (POF) integration into textile fabric structures. , 2017, , 337-348.		11
100	Shear and drape behavior of non-crimp fabrics based on stitching geometry. International Journal of Material Forming, 2018, 11, 593-605.	2.0	11
101	On the separation and recycling behaviour of textile reinforced concrete: an experimental study. Materials and Structures/Materiaux Et Constructions, 2018, 51, 1.	3.1	11
102	Controlling surface morphology by nanocrystalline/amorphous competitive self-phase separation in thin films: Thickness-modulated reflectance and interference phenomena. Acta Materialia, 2019, 181, 78-86.	7.9	11
103	Smart Stimuli-Responsive Polylactic Acid-Hydrogel Fibers Produced via Electrospinning. Fibers and Polymers, 2019, 20, 1857-1868.	2.1	11
104	Warp-Knitted Spacer Fabrics: A Versatile Platform to Generate Fiber-Reinforced Hydrogels for 3D Tissue Engineering. Materials, 2020, 13, 3518.	2.9	11
105	Melt spinning and characterization of hollow fibers from poly(4-methylpentene). Journal of Applied Polymer Science, 2021, 138, 49630.	2.6	11
106	Novel Low-Twist Bast Fibre Yarns from Flax Tow for High-Performance Composite Applications. Materials, 2021, 14, 105.	2.9	11
107	Polarized micro-Raman spectroscopy for studying stresses in as-grown and tensile-tested diamond films. Surface and Coatings Technology, 2008, 202, 2263-2267.	4.8	10
108	Analysis of mass transport in an atmospheric pressure remote plasma-enhanced chemical vapor deposition process. Journal of Applied Physics, 2010, 107, 024909.	2.5	10

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109	Meta-modeling for Manufacturing Processes. Lecture Notes in Computer Science, 2011, , 199-209.	1.3	10
110	Trade and fertility in the developing world: the impact of trade and trade structure. Journal of Population Economics, 2014, 27, 1165-1186.	5.6	10
111	An Overview of Impregnation Methods for Carbon Fibre Reinforced Thermoplastics. Key Engineering Materials, 0, 742, 473-481.	0.4	10
112	Application of robotics in garment manufacturing. , 2018, , 179-197.		10
113	An averaging based hyperelastic modeling and experimental analysis of non-crimp fabrics. International Journal of Solids and Structures, 2018, 154, 43-54.	2.7	10
114	Rational Selection of Carbon Fiber Properties for High-Performance Textile Electrodes in Bioelectrochemical Systems. Frontiers in Energy Research, 2019, 7, .	2.3	10
115	Improved biocompatibility of profiled sutures through lower macrophages adhesion. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 1772-1778.	3.4	10
116	Textile Multitouch Force-Sensor Array Based on Circular and Non-Circular Polymer Optical Fibers. IEEE Sensors Journal, 2020, 20, 7548-7555.	4.7	10
117	Monitoring capabilities of various smart self sensory carbon-based textiles to detect water infiltration. Journal of Intelligent Material Systems and Structures, 2021, 32, 2566-2581.	2.5	10
118	Monitoring the Remodeling of Biohybrid Tissue-Engineered Vascular Grafts by Multimodal Molecular Imaging. Advanced Science, 2022, 9, e2105783.	11.2	10
119	The Market for Belief Systems: A Formal Model of Ideological Choice. Psychological Inquiry, 2022, 33, 65-83.	0.9	10
120	Novel Melt-Spun Polymer-Optical Poly(methyl methacrylate) Fibers Studied by Small-Angle X-ray Scattering. Polymers, 2017, 9, 60.	4.5	9
121	Aachen Technology Overview of 3D Textile Materials and Recent Innovation and Applications. Applied Composite Materials, 2022, 29, 43-64.	2.5	9
122	A novel tensile test device for effective testing of high-modulus multi-filament yarns. Journal of Industrial Textiles, 2015, 44, 934-947.	2.4	8
123	Weaving machine as cyber-physical production system: Multi-objective self-optimization of the weaving process. , 2016, , .		8
124	New Age Advanced Smart Water Pipe Systems Using Textile Reinforced Concrete. Procedia Manufacturing, 2018, 21, 376-383.	1.9	8
125	Geometrical analysis of woven fabric microstructure based on micron-resolution computed tomography data. Applied Composite Materials, 2018, 25, 399-413.	2.5	8
126	Secular stagnation? Is there statistical evidence of an unprecedented, systematic decline in growth?. Economics Letters, 2019, 181, 47-50.	1.9	8

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127	Experiencing the potential of closed-loop PLM systems enabled by Industrial Internet of Things. <i>Procedia Manufacturing</i> , 2020, 45, 177-182.	1.9	8
128	A vision based system for high precision online fabric defect detection. , 2012, , .		7
129	Experimental Setup to Validate Textile Material Models for Drape Simulation. <i>Key Engineering Materials</i> , 0, 554-557, 456-464.	0.4	7
130	Growth of ruthenium dioxide nanostructures by micro-afterglow oxidation at atmospheric pressure. <i>Surface and Coatings Technology</i> , 2014, 255, 3-7.	4.8	7
131	Adaptive shape functions and internal mesh adaptation for modeling progressive failure in adhesively bonded joints. <i>International Journal of Solids and Structures</i> , 2014, 51, 3252-3264.	2.7	7
132	Poling Effects in Melt-Spun PVDF Bicomponent Fibres. <i>Key Engineering Materials</i> , 0, 644, 110-114.	0.4	7
133	Three-dimensional braiding of continuous regenerated cellulose fibres. <i>Journal of Industrial Textiles</i> , 2016, 45, 707-715.	2.4	7
134	Characterization of shear behavior of warp-knitted fabrics applied to composite reinforcement. <i>Journal of the Textile Institute</i> , 2017, 108, 89-94.	1.9	7
135	3D knitting using large circular knitting machines. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 254, 092004.	0.6	7
136	Growth Trends and Systematic Patterns of Booms and Busts—Testing 200 Years of Business Cycle Dynamics. <i>Oxford Bulletin of Economics and Statistics</i> , 2019, 81, 62-78.	1.7	7
137	Custom-Made Generation of Three-Dimensional Nonwovens Composed of Polyglycolide or Polylactide for the Cardiovascular Tissue Engineering. <i>Journal of Biomaterials and Tissue Engineering</i> , 2012, 2, 322-329.	0.1	7
138	Designing 3D Membrane Modules for Gas Separation Based on Hollow Fibers from Poly(4-methyl-1-pentene). <i>Membranes</i> , 2022, 12, 36.	3.0	7
139	Processing and characterization of braided NiTi microstents for medical applications. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2011, 42, 1002-1012.	0.9	6
140	Optical Fibers. , 2015, , 79-108.		6
141	Towards Accepted Smart Interactive Textiles. <i>Lecture Notes in Computer Science</i> , 2017, , 279-298.	1.3	6
142	Overview of the POF market. , 2017, , 349-400.		6
143	Applications of polymer-optical fibres in sensor technology, lighting and further applications. , 2017, , 311-335.		6
144	Model Predictive Control of the Weft Insertion in Air-jet Weaving. <i>IFAC-PapersOnLine</i> , 2019, 52, 630-635.	0.9	6

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145	Economic Retirement Age and Lifelong Learning: A Theoretical Model With Heterogeneous Labor, Biased Technical Change and International Sourcing. <i>German Economic Review</i> , 2019, 20, 129-170.	1.1	6
146	Application prospects of dense gas separation hollow fibers based on poly(4-methyl-1-pentene). <i>Chemical Papers</i> , 2020, 74, 1917-1921.	2.2	6
147	Increasing the sustainability of composite manufacturing processes by using algorithm-based optimisation and evaluation for process chain design. <i>International Journal of Sustainable Manufacturing</i> , 2020, 4, 350.	0.3	6
148	Cross-section modified and highly elastic sutures reduce tissue incision and show comparable biocompatibility: in vitro and in vivo evaluation of novel thermoplastic urethane surgical threads. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 693-702.	3.4	6
149	Metal fiber reinforced composites. , 2021, , 479-513.		6
150	Potential for the Integration of Continuous Fiber-Based Reinforcements in Digital Concrete Production. <i>RILEM Bookseries</i> , 2020, , 701-711.	0.4	6
151	Textile Technology. , 2015, , .		6
152	Hemp From Disordered Lines for New Staple Fibre Yarns and High-Performance Composite Applications. <i>Frontiers in Materials</i> , 2022, 8, .	2.4	6
153	Damping Properties of Hybrid Composites Made from Carbon, Vectran, Aramid and Cellulose Fibers. <i>Journal of Composites Science</i> , 2022, 6, 13.	3.0	6
154	Preparation of Hollow Fiber Membranes Based On Poly(4-methyl-1-pentene) for Gas Separation. <i>Fibers</i> , 2022, 10, 1.	4.0	6
155	Manufacturing, characterization, and degradation of a poly(lactic acid) warp-knitted spacer fabric scaffold as a candidate for tissue engineering applications. <i>Biomaterials Science</i> , 2022, 10, 3793-3807.	5.4	6
156	PVD coatings for textile machine components. <i>Surface and Coatings Technology</i> , 1993, 62, 443-447.	4.8	5
157	Textile Reinforcement Structures. , 0, , 21-47.		5
158	Portable Bioimpedance Spectroscopy device and textile electrodes for mobile monitoring applications. <i>Journal of Physics: Conference Series</i> , 2010, 224, 012005.	0.4	5
159	Automation in quality monitoring of fabrics and garment seams. , 2018, , 353-376.		5
160	Polymer fiber-based biocomposites for medical sensing applications. , 2019, , 57-88.		5
161	Extreme Events, Entrepreneurial Start-Ups, and Innovation: Theoretical Conjectures. <i>Economics of Disasters and Climate Change</i> , 2021, 5, 329-353.	2.2	5
162	Innovative Textiles Used in Face Masks: Filtration Efficiency and Self-Disinfecting Properties against Coronaviruses. <i>Nanomaterials</i> , 2021, 11, 2088.	4.1	5

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163	Gas separating hollow fibres from Poly(4-methyl-1-pentene): A new development. Separation and Purification Technology, 2021, 278, 119534.	7.9	5
164	A Research Framework for Human Aspects in the Internet of Production – An Intra-company Perspective. Advances in Intelligent Systems and Computing, 2020, , 3-17.	0.6	5
165	Melt-Spun, Cross-Section Modified Polycaprolactone Fibers for Use in Tendon and Ligament Tissue Engineering. Fibers, 2022, 10, 23.	4.0	5
166	Mobile Mining and Information Management in HealthNet Scenarios. , 2008, , .		4
167	Suspension-adapted Chinese hamster ovary-derived cells expressing green fluorescent protein as a screening tool for biomaterials. Biotechnology Letters, 2009, 31, 1143-1149.	2.2	4
168	Draping of Non-Crimp Fabrics for Fibre Reinforced Composites. International Journal of Material Forming, 2010, 3, 647-650.	2.0	4
169	Deformation of AR glass roving embedded in the warp knitted structure. Journal of the Textile Institute, 2011, 102, 308-314.	1.9	4
170	In-process fault detection for textile fabric production: onloom imaging. , 2011, , .		4
171	Drape study on textiles for concrete applications. Autex Research Journal, 2012, 12, 50-54.	1.1	4
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