

# Andrea Ehrmann

## List of Publications by Citations

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203  
papers

2,120  
citations

23  
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g-index

215  
ext. papers

2,695  
ext. citations

2.1  
avg, IF

6.27  
L-index

#	Paper	IF	Citations
203	3D printing of textile-based structures by Fused Deposition Modelling (FDM) with different polymer materials. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2014</b> , 62, 012018	0.4	131
202	Three-Dimensional (3D) Printing of Polymer-Metal Hybrid Materials by Fused Deposition Modeling. <i>Materials</i> , <b>2017</b> , 10,	3.5	74
201	Combining 3D printed forms with textile structures - mechanical and geometrical properties of multi-material systems. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2015</b> , 87, 012005	0.4	56
200	Recent advances in carbon nanofibers and their applications [A review]. <i>European Polymer Journal</i> , <b>2020</b> , 138, 109963	5.2	49
199	Adhesion of 3D printed material on textile substrates. <i>Rapid Prototyping Journal</i> , <b>2018</b> , 24, 166-170	3.8	47
198	Fixing PAN Nanofiber Mats during Stabilization for Carbonization and Creating Novel Metal/Carbon Composites. <i>Polymers</i> , <b>2018</b> , 10,	4.5	39
197	Needleless Electrospinning of PAN Nanofibre Mats. <i>Tekstilec</i> , <b>2017</b> , 60, 290-295	2.1	39
196	Magnetic Nanofiber Mats for Data Storage and Transfer. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	35
195	Suitability of knitted fabrics as elongation sensors subject to structure, stitch dimension and elongation direction. <i>Textile Reseach Journal</i> , <b>2014</b> , 84, 2006-2012	1.7	28
194	Non-Toxic Crosslinking of Electrospun Gelatin Nanofibers for Tissue Engineering and Biomedicine-A Review. <i>Polymers</i> , <b>2021</b> , 13,	4.5	28
193	Investigation of needleless electrospun PAN nanofiber mats <b>2018</b> ,		27
192	Increasing adhesion of 3D printing on textile fabrics by polymer coating. <i>Tekstilec</i> , <b>2018</b> , 61, 265-271	2.1	27
191	Electrospinning on 3D Printed Polymers for Mechanically Stabilized Filter Composites. <i>Polymers</i> , <b>2019</b> , 11,	4.5	27
190	3D Printed MEMS Technology-Recent Developments and Applications. <i>Micromachines</i> , <b>2020</b> , 11,	3.3	26
189	Influence of fabric pretreatment on adhesion of three-dimensional printed material on textile substrates. <i>Advances in Mechanical Engineering</i> , <b>2018</b> , 10, 168781401879231	1.2	26
188	3D printed auxetic forms on knitted fabrics for adjustable permeability and mechanical properties. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2016</b> , 137, 012011	0.4	25
187	Stabilization of Electrospun Nanofiber Mats Used for Filters by 3D Printing. <i>Polymers</i> , <b>2019</b> , 11,	4.5	25

186	Recent coating materials for textile-based solar cells. <i>AIMS Materials Science</i> , <b>2019</b> , 6, 234-251	1.9	25
185	Mechanical and Electrical Contacting of Electronic Components on Textiles by 3D Printing. <i>Procedia Technology</i> , <b>2016</b> , 26, 66-71		25
184	Increased Mechanical Properties of Carbon Nanofiber Mats for Possible Medical Applications. <i>Fibers</i> , <b>2019</b> , 7, 98	3.7	24
183	Stabilization of polyacrylonitrile nanofiber mats obtained by needleless electrospinning using dimethyl sulfoxide as solvent. <i>Journal of Industrial Textiles</i> , <b>2020</b> , 50, 224-239	1.6	24
182	Magnetic Properties of Electrospun Magnetic Nanofiber Mats after Stabilization and Carbonization. <i>Materials</i> , <b>2020</b> , 13,	3.5	23
181	Investigation of microalgae growth on electrospun nanofiber mats. <i>AIMS Bioengineering</i> , <b>2017</b> , 4, 376-384	3.4	23
180	Influence of the pH value of anthocyanins on the electrical properties of dye-sensitized solar cells. <i>AIMS Energy</i> , <b>2017</b> , 5, 258-267	1.8	23
179	New Polymers for Needleless Electrospinning from Low-Toxic Solvents. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	23
178	Raising reproducibility in dye-sensitized solar cells under laboratory conditions. <i>Journal of Renewable and Sustainable Energy</i> , <b>2018</b> , 10, 013506	2.5	22
177	Exchange Bias in Thin Films—An Update. <i>Coatings</i> , <b>2021</b> , 11, 122	2.9	22
176	Stabilization of Electrospun PAN/Gelatin Nanofiber Mats for Carbonization. <i>Journal of Nanomaterials</i> , <b>2018</b> , 2018, 1-12	3.2	22
175	Fourfold nanosystems for quaternary storage devices. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 073911	2.5	21
174	Dye-Sensitized Solar Cells with Electrospun Nanofiber Mat-Based Counter Electrodes. <i>Materials</i> , <b>2018</b> , 11,	3.5	21
173	Effect of Caffeine Copigmentation of Anthocyanin Dyes on DSSC Efficiency. <i>Materials</i> , <b>2019</b> , 12,	3.5	20
172	Most recent developments in electrospun magnetic nanofibers: A review. <i>Journal of Engineered Fibers and Fabrics</i> , <b>2020</b> , 15, 155892501990084	0.9	20
171	Sterilization of PAN/Gelatine Nanofibrous Mats for Cell Growth. <i>Tekstilec</i> , <b>2019</b> , 62, 78-88	2.1	20
170	Conductive Electrospun Nanofiber Mats. <i>Materials</i> , <b>2019</b> , 13,	3.5	20
169	Vortex and double-vortex nucleation during magnetization reversal in Fe nanodots of different dimensions. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 475, 727-733	2.8	20

168	Comment on Dye-sensitized solar cells using Aloe Vera and Cladode of Cactus extracts as natural sensitizers[Chem. Phys. Lett. 679 (2017) 97-101]. <i>Chemical Physics Letters</i> , <b>2019</b> , 714, 227-229	2.5	19
167	Adhesion of three-dimensional printing on textile fabrics: Inspiration from and for other research areas. <i>Journal of Engineered Fibers and Fabrics</i> , <b>2020</b> , 15, 155892502091087	0.9	18
166	Orientation of Electrospun Magnetic Nanofibers Near Conductive Areas. <i>Materials</i> , <b>2019</b> , 13,	3.5	18
165	Application of natural dyes on diverse textile materials. <i>Optik</i> , <b>2019</b> , 181, 215-219	2.5	18
164	Investigation of the Shape-Memory Properties of 3D Printed PLA Structures with Different Infills. <i>Polymers</i> , <b>2021</b> , 13,	4.5	18
163	Electrospun Nanofiber Mats with Embedded Non-Sintered TiO <sub>2</sub> for Dye-Sensitized Solar Cells (DSSCs). <i>Fibers</i> , <b>2019</b> , 7, 60	3.7	17
162	Cell growth on electrospun nanofiber mats from polyacrylonitrile (PAN) blends. <i>AIMS Bioengineering</i> , <b>2020</b> , 7, 43-54	3.4	17
161	Composites of 3D-Printed Polymers and Textile Fabrics*. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 225, 012292	0.4	16
160	Comparative Study of Mushroom Grown on Modified PAN Nanofiber Mats. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	16
159	On the reliability of highly magnified micrographs for structural analysis in materials science. <i>Scientific Reports</i> , <b>2020</b> , 10, 14708	4.9	16
158	Electrospinning a Dye-Sensitized Solar Cell. <i>Catalysts</i> , <b>2019</b> , 9, 975	4	16
157	Commercially available teas as possible dyes for dye-sensitized solar cells. <i>Optik</i> , <b>2019</b> , 185, 178-182	2.5	15
156	Conceptual design of a sensory shirt for fire-fighters. <i>Textile Reseach Journal</i> , <b>2014</b> , 84, 1661-1665	1.7	15
155	Water Vapor Permeability through PAN Nanofiber Mat with Varying Membrane-Like Areas. <i>Fibres and Textiles in Eastern Europe</i> , <b>2019</b> , 27, 12-15	0.9	15
154	3D printing of shape memory polymers. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 50847	2.9	15
153	Adhesion of 3D printing polymers on textile fabrics for garment production. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 459, 012065	0.4	15
152	Magnetization reversal in bent nanofibers of different cross sections. <i>Journal of Applied Physics</i> , <b>2018</b> , 124, 152112	2.5	15
151	Magnetic properties of square Py nanowires: Irradiation dose and geometry dependence. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 173903	2.5	14

150	Chemical and Morphological Transition of Poly(acrylonitrile)/Poly(vinylidene Fluoride) Blend Nanofibers during Oxidative Stabilization and Incipient Carbonization. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	14
149	Directional-dependent coercivities and magnetization reversal mechanisms in fourfold ferromagnetic systems of varying sizes. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 013901	2.5	14
148	Development of graphite-based conductive textile coatings <b>2018</b> , 15, 875-883		13
147	Influence of shape and dimension on magnetic anisotropies and magnetization reversal of Py, Fe, and Co nano-objects with four-fold symmetry. <i>AIP Advances</i> , <b>2015</b> , 5, 097109	1.5	13
146	Electrospinning water-soluble/insoluble polymer blends. <i>AIMS Materials Science</i> , <b>2018</b> , 5, 190-200	1.9	13
145	Water-, oil-, and soil-repellent treatment of textiles, artificial leather, and leather. <i>Journal of the Textile Institute</i> , <b>2015</b> , 106, 611-620	1.5	12
144	Recent developments in electrospun ZnO nanofibers: A short review. <i>Journal of Engineered Fibers and Fabrics</i> , <b>2020</b> , 15, 155892501989968	0.9	12
143	Mechanical Properties of FDM Printed PLA Parts before and after Thermal Treatment. <i>Polymers</i> , <b>2021</b> , 13,	4.5	12
142	FDM printing of 3D forms with embedded fibrous materials <b>2015</b> ,		11
141	Varying steps in hysteresis loops of Co square nano-frames. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 491, 165619	2.8	11
140	Water Resistance and Morphology of Electrospun Gelatine Blended with Citric Acid and Coconut Oil. <i>Tekstilec</i> , <b>2018</b> , 61, 129-135	2.1	11
139	Micromagnetic Simulation of Vortex Development in Magnetic Bi-Material Bow-Tie Structures. <i>Condensed Matter</i> , <b>2020</b> , 5, 5	1.8	11
138	Pressure Orientation-Dependent Recovery of 3D-Printed PLA Objects with Varying Infill Degree. <i>Polymers</i> , <b>2021</b> , 13,	4.5	11
137	Application of Electrospun Nanofibers for Fabrication of Versatile and Highly Efficient Electrochemical Devices: A Review. <i>Polymers</i> , <b>2021</b> , 13,	4.5	11
136	Magnetization reversal in ferromagnetic Fibonacci nano-spirals. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 484, 37-41	2.8	10
135	Influence of graphite-coating methods on the DSSC performance. <i>Optik</i> , <b>2018</b> , 174, 40-45	2.5	10
134	Morphological study of stabilization and carbonization of polyacrylonitrile/TiO <sub>2</sub> nanofiber mats. <i>Journal of Engineered Fibers and Fabrics</i> , <b>2019</b> , 14, 155892501986224	0.9	10
133	Examination of the sintering process-dependent properties of TiO <sub>2</sub> on glass and textile substrates. <i>Journal of Photonics for Energy</i> , <b>2017</b> , 7, 015001	1.2	9

132	Electrospinning chitosan blends for nonwovens with morphologies between nanofiber mat and membrane. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 213, 012007	0.4	9
131	Electrospinning and stabilization of chitosan nanofiber mats. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 254, 102006	0.4	9
130	Improving adhesion of three-dimensional printed objects on textile fabrics by polymer coating. <i>Journal of Engineered Fibers and Fabrics</i> , <b>2019</b> , 14, 155892501989525	0.9	9
129	Interaction between magnetic nanoparticles in clusters. <i>AIMS Materials Science</i> , <b>2017</b> , 4, 383-390	1.9	9
128	Influence of solvents on Aloe vera gel performance in dye-sensitized solar cells. <i>Optik</i> , <b>2019</b> , 180, 615-618	2.5	9
127	Influence of illumination spectra on DSSC performance. <i>Optik</i> , <b>2019</b> , 177, 8-12	2.5	9
126	Micromagnetic Simulations of Chaotic Ferromagnetic Nanofiber Networks. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	9
125	Preliminary Study of Ultrasonic Welding as a Joining Process for Electrospun Nanofiber Mats. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	9
124	Electrospun Nanofibrous Membranes for Tissue Engineering and Cell Growth. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 6929	2.6	9
123	Optical elements from 3D printed polymers. <i>E-Polymers</i> , <b>2021</b> , 21, 549-565	2.7	9
122	Recent Developments of Solar Cells from PbS Colloidal Quantum Dots. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 1743	2.6	8
121	Influence of Solution and Spinning Parameters on Nanofiber Mat Creation of Poly(ethylene oxide) by Needleless Electrospinning. <i>Medziagotyra</i> , <b>2017</b> , 23,	0.4	8
120	Refilling DSSCs as a method to ensure longevity. <i>Optik</i> , <b>2018</b> , 160, 255-258	2.5	8
119	Pseudo exchange bias due to rotational anisotropy. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 412, 7-10	2.8	8
118	Varying fabric drape by 3D-imprinted patterns for garment design. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 254, 172023	0.4	8
117	Impact of Solid Content in the Electrospinning Solution on the Physical and Chemical Properties of Polyacrylonitrile (PAN) Nanofibrous Mats. <i>Tekstilec</i> , <b>2020</b> , 63, 225-232	2.1	8
116	Statistical analysis of digital images of periodic fibrous structures using generalized Hurst exponent distributions. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2016</b> , 452, 167-177	3.3	8
115	Application methods for graphite as catalyzer in dye-sensitized solar cells. <i>Optik</i> , <b>2019</b> , 178, 1276-1279	2.5	8

114	Electronic Textiles. <i>Encyclopedia</i> , <b>2021</b> , 1, 115-130		8
113	Adhesion of Electrospun Poly(acrylonitrile) Nanofibers on Conductive and Isolating Foil Substrates. <i>Coatings</i> , <b>2021</b> , 11, 249	2.9	8
112	Systematic study of magnetization reversal in square Fe nanodots of varying dimensions in different orientations. <i>Hyperfine Interactions</i> , <b>2018</b> , 239, 1	0.8	8
111	Textile-Based Sensors for Biosignal Detection and Monitoring. <i>Sensors</i> , <b>2021</b> , 21,	3.8	8
110	Needleless Electrospinning of Pure and Blended Chitosan. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 225, 012098	0.4	7
109	Rehydrating dye sensitized solar cells. <i>AIMS Energy</i> , <b>2017</b> , 5, 397-403	1.8	7
108	Glycerin-based electrolyte for reduced drying of dye-sensitized solar cells. <i>Optik</i> , <b>2020</b> , 207, 163772	2.5	7
107	Optimization of the TiO <sub>2</sub> layer in DSSCs by a nonionic surfactant. <i>Optik</i> , <b>2020</b> , 203, 163945	2.5	7
106	Stabilization and Incipient Carbonization of Electrospun Polyacrylonitrile Nanofibers Fixated on Aluminum Substrates. <i>Fibers</i> , <b>2020</b> , 8, 55	3.7	7
105	Stabilization and Carbonization of PAN Nanofiber Mats Electrospun on Metal Substrates. <i>Journal of Carbon Research</i> , <b>2021</b> , 7, 12	3.3	7
104	Atomic Force Microscopy (AFM) on Biopolymers and Hydrogels for Biotechnological Applications-Possibilities and Limits.. <i>Polymers</i> , <b>2022</b> , 14,	4.5	7
103	Back electrodes of dye-sensitized solar cells on textile fabrics. <i>Optik</i> , <b>2019</b> , 198, 163243	2.5	6
102	Wet Relaxation of Electrospun Nanofiber Mats. <i>Technologies</i> , <b>2019</b> , 7, 23	2.4	6
101	Examination of hairiness changes due to washing in knitted fabrics using a random walk approach. <i>Textile Reseach Journal</i> , <b>2015</b> , 85, 2147-2154	1.7	6
100	Influence of the Distance between Nanoparticles in Clusters on the Magnetization Reversal Process. <i>Journal of Nanomaterials</i> , <b>2017</b> , 2017, 1-6	3.2	6
99	Possible applications of nano-spun fabrics and materials. <i>Materials Today: Proceedings</i> , <b>2017</b> , 4, S154-S159.4		6
98	Micromagnetic simulations of anisotropies in coupled and uncoupled ferromagnetic nanowire systems. <i>Scientific World Journal, The</i> , <b>2013</b> , 2013, 472597	2.2	6
97	On the Possible Use of Textile Fabrics for Vertical Farming. <i>Tekstilec</i> , <b>2019</b> , 62, 34-41	2.1	6

96	3D printing for microsattelites-material requirements and recent developments. <i>AIMS Materials Science</i> , <b>2020</b> , 7, 926-938	1.9	6
95	Spectroscopic investigation of highly-scattering nanofiber mats during drying and film formation. <i>Optik</i> , <b>2020</b> , 208, 164081	2.5	6
94	Positioning and Aligning Electrospun PAN Fibers by Conductive and Dielectric Substrate Patterns. <i>Macromolecular Symposia</i> , <b>2021</b> , 395, 2000213	0.8	6
93	Metallic Supports Accelerate Carbonization and Improve Morphological Stability of Polyacrylonitrile Nanofibers during Heat Treatment. <i>Materials</i> , <b>2021</b> , 14,	3.5	6
92	Magnetic Elements for Neuromorphic Computing. <i>Molecules</i> , <b>2020</b> , 25,	4.8	5
91	Electrospraying poloxamer/(bio-)polymer blends using a needleless electrospinning machine <b>2018</b> , 1, 251522111774307		5
90	Growth of on Different Textile Materials for Vertical Farming. <i>Materials</i> , <b>2019</b> , 12,	3.5	5
89	Six-state, three-level, six-fold ferromagnetic wire system. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2013</b> , 331, 21-23	2.8	5
88	Necessary modification of the Euler-Hytelwein formula for knitting machines. <i>Journal of the Textile Institute</i> , <b>2012</b> , 103, 687-690	1.5	5
87	Chemical and Morphological Modification of PAN Nanofibrous Mats with Addition of Casein after. <i>Tekstilec</i> , <b>2020</b> , 63, 38-49	2.1	5
86	Suitability of common single circuit boards for sensing and actuating in smart textiles <b>2020</b> , 1, 170-179		5
85	Smarten up garments through knitting. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2016</b> , 141, 012008	0.4	5
84	Influence of FTO glass cleaning on DSSC performance. <i>Optik</i> , <b>2019</b> , 183, 253-256	2.5	5
83	Seed Germination and Seedling Growth on Knitted Fabrics as New Substrates for Hydroponic Systems. <i>Horticulturae</i> , <b>2019</b> , 5, 73	2.5	5
82	On the use of textile materials in robotics. <i>Journal of Engineered Fibers and Fabrics</i> , <b>2020</b> , 15, 155892502091073		5
81	Asymmetric Hysteresis Loops in Structured Ferromagnetic Nanoparticles with Hard/Soft Areas. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	5
80	Measuring Biosignals with Single Circuit Boards.. <i>Bioengineering</i> , <b>2022</b> , 9,	5.3	5
79	Electromagnetic Interference Shielding with Electrospun Nanofiber Mats: A Review of Production, Physical Properties and Performance. <i>Fibers</i> , <b>2022</b> , 10, 47	3.7	5



78	Influence of grey and color filters on the electrical properties of the dye-sensitized solar cells. <i>Optik</i> , <b>2019</b> , 186, 309-314	2.5	4
77	Solarstrom aus Fröhliche. <i>Physik in Unserer Zeit</i> , <b>2020</b> , 51, 196-200	0.1	4
76	Influence of dyes and dying process parameters on the electrical properties of dye-sensitized solar cells. <i>Optik</i> , <b>2018</b> , 168, 282-286	2.5	4
75	Magneto-optic measurements on uneven magnetic layers on cardboard. <i>AIP Advances</i> , <b>2017</b> , 7, 045306	1.5	4
74	Development of Underwear with Integrated 12 Channel ECG for Men and Women. <i>Autex Research Journal</i> , <b>2017</b> , 17, 344-349	1	4
73	Influence of fourfold anisotropy form on hysteresis loop shape in ferromagnetic nanostructures. <i>AIP Advances</i> , <b>2014</b> , 4, 087115	1.5	4
72	Electrospinning Nanofiber Mats with Magnetite Nanoparticles Using Various Needle-Based Techniques.. <i>Polymers</i> , <b>2022</b> , 14,	4.5	4
71	Influence of Textile and Environmental Parameters on Plant Growth on Vertically Mounted Knitted Fabrics. <i>Tekstilec</i> , <b>2019</b> , 62, 200-207	2.1	4
70	Textile-based batteries with nanofiber interlayer. <i>AIMS Energy</i> , <b>2018</b> , 6, 261-268	1.8	4
69	Systematic study of magnetization reversal in beaded fibers from different magnetic materials. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2021</b> , 529, 167855	2.8	4
68	Micromagnetic Simulations of Fe and Ni Nanodot Arrays Surrounded by Magnetic or Non-Magnetic Matrices. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	4
67	Washing and Abrasion Resistance of Conductive Coatings for Vital Sensors <b>2018</b> , 241-250		4
66	Influence of different solvents on the electrical properties of dye-sensitized solar cells. <i>Journal of Renewable and Sustainable Energy</i> , <b>2018</b> , 10, 063701	2.5	4
65	New Materials and Effects in Molecular Nanomagnets. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 7510	2.6	4
64	Investigation of eco-friendly casein fibre production methods. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 254, 192004	0.4	3
63	Angle and rotational direction dependent horizontal loop shift in epitaxial Co/CoO bilayers on MgO(100). <i>AIP Advances</i> , <b>2017</b> , 7, 115223	1.5	3
62	Reliability of statistic evaluation of microscopic pictures taken from knitted fabrics. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 633, 012101	0.3	3
61	Walking or running in the rain – simple derivation of a general solution. <i>European Journal of Physics</i> , <b>2011</b> , 32, 355-361	0.8	3

60	Magnetization Reversal in Hexagonal Nanomagnets. <i>Acta Physica Polonica A</i> , <b>2020</b> , 137, 395-403	0.6	3
59	Shape-Memory Properties of 3D Printed PLA Structures		3
58	Conductive polyacrylonitrile/graphite textile coatings. <i>AIMS Materials Science</i> , <b>2018</b> , 5, 551-558	1.9	3
57	Shielding of Cosmic Radiation by Fibrous Materials. <i>Fibers</i> , <b>2021</b> , 9, 60	3.7	3
56	Asymmetric Hysteresis Loops in Co Thin Films. <i>Condensed Matter</i> , <b>2020</b> , 5, 71	1.8	3
55	Statistical Analysis of Nanofiber Mat AFM Images by Gray-Scale-Resolved Hurst Exponent Distributions. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 2436	2.6	3
54	Neuro-Inspired Signal Processing in Ferromagnetic Nanofibers. <i>Biomimetics</i> , <b>2021</b> , 6,	3.7	3
53	Examination of the sintering process dependent micro- and nanostructure of TiO <sub>2</sub> on textile substrates <b>2016</b> ,		3
52	Mechanical properties of composites from textiles and three-dimensional printed materials <b>2019</b> , 409-425		3
51	3D Printing with Flexible Materials [Mechanical Properties and Material Fatigue. <i>Macromolecular Symposia</i> , <b>2021</b> , 395, 2000203	0.8	3
50	Comparative Study of Metal Substrates for Improved Carbonization of Electrospun PAN Nanofibers.. <i>Polymers</i> , <b>2022</b> , 14,	4.5	3
49	Improved abrasion resistance of textile fabrics due to polymer coatings. <i>Journal of Industrial Textiles</i> , <b>2019</b> , 49, 572-583	1.6	2
48	Fotografieren in der vierten Dimension. <i>Physik in Unserer Zeit</i> , <b>2012</b> , 43, 124-127	0.1	2
47	Analysis of AFM images of Nanofibre Mats for Automated Processing. <i>Tekstilec</i> , <b>2020</b> , 63, 104-112	2.1	2
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27	Influence of Substrate Materials on Electrospun PAN Nanofiber Mats <b>2018</b> ,		1
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23	Micromagnetic Simulations of Nanoparticles with Varying Amount of Agglomeration. <i>Macromolecular Symposia</i> , <b>2022</b> , 402, 2100381	0.8	1
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