Andrea Ehrmann

List of Publications by Year in Descending Order

203 papers	2,120 citations	23 h-index	33 g-index
215 ext. papers	2,695 ext. citations	2.1 avg, IF	6.27 L-index

#	Paper	IF	Citations
203	Electrospinning Nanofiber Mats with Magnetite Nanoparticles Using Various Needle-Based Techniques.. *Polymers*, **2022**, 14,	4.5	4
202	Magnetization reversal asymmetry in a structured ferromagnetic nanoparticle with varying shape anisotropy. *Journal of Magnetism and Magnetic Materials*, **2022**, 546, 168929	2.8	1
201	Domain wall nucleation, propagation and annihilation in coupled bent ferromagnetic nanofibers with rotating local input fields. *Journal of Magnetism and Magnetic Materials*, **2022**, 546, 168925	2.8	1
200	Long-term investigation of unsealed DSSCs with glycerol-based electrolytes of different compositions. *AIMS Materials Science*, **2022**, 9, 283-296	1.9	0
199	Extraction of keratin from wool and its use as biopolymer in film formation and in electrospinning for composite material processing. *Journal of Engineered Fibers and Fabrics*, **2022**, 17, 155892502210904	0.9	1
198	Measuring Biosignals with Single Circuit Boards.. *Bioengineering*, **2022**, 9,	5.3	5
197	Comparative Study of Metal Substrates for Improved Carbonization of Electrospun PAN Nanofibers.. *Polymers*, **2022**, 14,	4.5	3
196	Atomic Force Microscopy (AFM) on Biopolymers and Hydrogels for Biotechnological Applications-Possibilities and Limits.. *Polymers*, **2022**, 14,	4.5	7
195	Micromagnetic Simulations of Nanoparticles with Varying Amount of Agglomeration. *Macromolecular Symposia*, **2022**, 402, 2100381	0.8	1
194	Photoelectric Performance Optimization of Dye-Sensitized Solar Cells Based on ZnO-TiO2 Composite Nanofibers. *Journal of Nanomaterials*, **2022**, 2022, 1-10	3.2	1
193	50/60 Hz Power Grid Noise as a Skin Contact Measure of Textile ECG Electrodes. *Textiles*, **2022**, 2, 265-274		1
192	Electromagnetic Interference Shielding with Electrospun Nanofiber MatsÂ Review of Production, Physical Properties and Performance. *Fibers*, **2022**, 10, 47	3.7	5
191	Electrospinning for the Modification of 3D Objects for the Potential Use in Tissue Engineering. *Technologies*, **2022**, 10, 66	2.4	0
190	Micromagnetic Simulations of Magnetic Particles Embedded in Magnetic or Non-Magnetic Matrices. *Materials Proceedings*, **2021**, 4, 80	0.3	
189	Asymmetric Hysteresis Loops and Horizontal Loop Shifts in Purely Ferromagnetic Nanoparticles. *Materials Proceedings*, **2021**, 4, 13	0.3	1
188	Shape-Memory Properties of 3D Printed Cubes from Diverse PLA Materials with Different Post-Treatments. *Technologies*, **2021**, 9, 71	2.4	1
187	Magnetization Dynamics in Nanofiber Networks **2021**,		1

186	Shielding of Cosmic Radiation by Fibrous Materials. *Fibers*, **2021**, 9, 60	3.7	3
185	Magnetic Force Microscopy on Nanofibers□limits and Possible Approaches for Randomly Oriented Nanofiber Mats. *Magnetochemistry*, **2021**, 7, 143	3.1	2
184	Statistical Analysis of Nanofiber Mat AFM Images by Gray-Scale-Resolved Hurst Exponent Distributions. *Applied Sciences (Switzerland)*, **2021**, 11, 2436	2.6	3
183	Mechanical Properties of FDM Printed PLA Parts before and after Thermal Treatment. *Polymers*, **2021**, 13,	4.5	12
182	Infill Designs for 3D-Printed Shape-Memory Objects. *Technologies*, **2021**, 9, 29	2.4	1
181	Pressure Orientation-Dependent Recovery of 3D-Printed PLA Objects with Varying Infill Degree. *Polymers*, **2021**, 13,	4.5	11
180	Micromagnetic Simulation of Round Ferromagnetic Nanodots with Varying Roughness and Symmetry. *Condensed Matter*, **2021**, 6, 19	1.8	1
179	Neuro-Inspired Signal Processing in Ferromagnetic Nanofibers. *Biomimetics*, **2021**, 6,	3.7	3
178	Optical Index Matching, Flexible Electrospun Substrates for Seamless Organic Photocapacitive Sensors. *Physica Status Solidi (B): Basic Research*, **2021**, 258, 2000543	1.3	2
177	Application of Electrospun Nanofibers for Fabrication of Versatile and Highly Efficient Electrochemical Devices: A Review. *Polymers*, **2021**, 13,	4.5	11
176	Magnetization Reversal in Concave Iron Nano-Superellipses. *Condensed Matter*, **2021**, 6, 17	1.8	
175	3D printing of shape memory polymers. *Journal of Applied Polymer Science*, **2021**, 138, 50847	2.9	15
174	Non-Toxic Crosslinking of Electrospun Gelatin Nanofibers for Tissue Engineering and Biomedicine-A Review. *Polymers*, **2021**, 13,	4.5	28
173	Systematic study of magnetization reversal in beaded fibers from different magnetic materials. *Journal of Magnetism and Magnetic Materials*, **2021**, 529, 167855	2.8	4
172	Smart nanotextiles: an introduction **2021**, 1-6		1
171	Outdoor vertical farming on textile substrates. *IOP Conference Series: Materials Science and Engineering*, **2021**, 1031, 012020	0.4	
170	Influence of clustering round magnetic nano-dots on magnetization reversal. *Journal of Physics: Conference Series*, **2021**, 1730, 012034	0.3	0
169	Production and Application of Biodegradable Nanofibers Using Electrospinning Techniques. *Springer Series on Polymer and Composite Materials*, **2021**, 1-24	0.9	

168	Electronic Textiles. *Encyclopedia*, **2021**, 1, 115-130		8
167	Exchange Bias in Thin Films An Update. *Coatings*, **2021**, 11, 122	2.9	22
166	3D Printing with Flexible Materials Mechanical Properties and Material Fatigue. *Macromolecular Symposia*, **2021**, 395, 2000203	0.8	3
165	Positioning and Aligning Electrospun PAN Fibers by Conductive and Dielectric Substrate Patterns. *Macromolecular Symposia*, **2021**, 395, 2000213	0.8	6
164	Micromagnetic Simulations of Fe and Ni Nanodot Arrays Surrounded by Magnetic or Non-Magnetic Matrices. *Nanomaterials*, **2021**, 11,	5.4	4
163	Adhesion of Electrospun Poly(acrylonitrile) Nanofibers on Conductive and Isolating Foil Substrates. *Coatings*, **2021**, 11, 249	2.9	8
162	Silicone Mold Accuracy in Polyurethane Vacuum Casting. *Macromolecular Symposia*, **2021**, 395, 2000242	0.8	2
161	Asymmetric Hysteresis Loops in Structured Ferromagnetic Nanoparticles with Hard/Soft Areas. *Nanomaterials*, **2021**, 11,	5.4	5
160	Electrospun Nanofibrous Membranes for Tissue Engineering and Cell Growth. *Applied Sciences (Switzerland)*, **2021**, 11, 6929	2.6	9
159	New Materials and Effects in Molecular Nanomagnets. *Applied Sciences (Switzerland)*, **2021**, 11, 7510	2.6	4
158	Metallic Supports Accelerate Carbonization and Improve Morphological Stability of Polyacrylonitrile Nanofibers during Heat Treatment. *Materials*, **2021**, 14,	3.5	6
157	Textile-Based Sensors for Biosignal Detection and Monitoring. *Sensors*, **2021**, 21,	3.8	8
156	Design, Construction and Tests of a Low-Cost Myoelectric Thumb. *Technologies*, **2021**, 9, 63	2.4	1
155	Magnetization reversal in Pac-Man shaped Fe nanostructures with varying aperture. *Journal of Magnetism and Magnetic Materials*, **2021**, 537, 168205	2.8	1
154	Stabilization and Carbonization of PAN Nanofiber Mats Electrospun on Metal Substrates. *Journal of Carbon Research*, **2021**, 7, 12	3.3	7
153	Optical elements from 3D printed polymers. *E-Polymers*, **2021**, 21, 549-565	2.7	9
152	Investigation of the Shape-Memory Properties of 3D Printed PLA Structures with Different Infills. *Polymers*, **2021**, 13,	4.5	18
151	Metal Additive Manufacturing for Satellites and Rockets. *Applied Sciences (Switzerland)*, **2021**, 11, 12036	2.6	0

150	Influence and stabilization of environmental conditions on teraohmmeter measurements of textile materials. *Journal of Engineered Fibers and Fabrics*, **2020**, 15, 155892502090656	0.9	
149	Adhesion of three-dimensional printing on textile fabrics: Inspiration from and for other research areas. *Journal of Engineered Fibers and Fabrics*, **2020**, 15, 155892502091087	0.9	18
148	Recent Developments of Solar Cells from PbS Colloidal Quantum Dots. *Applied Sciences (Switzerland)*, **2020**, 10, 1743	2.6	8
147	Magnetic Elements for Neuromorphic Computing. *Molecules*, **2020**, 25,	4.8	5
146	Chemical and Morphological Transition of Poly(acrylonitrile)/Poly(vinylidene Fluoride) Blend Nanofibers during Oxidative Stabilization and Incipient Carbonization. *Nanomaterials*, **2020**, 10,	5.4	14
145	Solarstrom aus Fr□htetee. *Physik in Unserer Zeit*, **2020**, 51, 196-200	0.1	4
144	Most recent developments in electrospun magnetic nanofibers: A review. *Journal of Engineered Fibers and Fabrics*, **2020**, 15, 155892501990084	0.9	20
143	Magnetic Properties of Electrospun Magnetic Nanofiber Mats after Stabilization and Carbonization. *Materials*, **2020**, 13,	3.5	23
142	3D Printed MEMS Technology-Recent Developments and Applications. *Micromachines*, **2020**, 11,	3.3	26
141	Recent developments in electrospun ZnO nanofibers: A short review. *Journal of Engineered Fibers and Fabrics*, **2020**, 15, 155892501989968	0.9	12
140	Magnetization Reversal in Hexagonal Nanomagnets. *Acta Physica Polonica A*, **2020**, 137, 395-403	0.6	3
139	Analysis of AFM images of Nanofibre Mats for Automated Processing. *Tekstilec*, **2020**, 63, 104-112	2.1	2
138	Chemical and Morphological Modification of PAN Nanofibrous Mats with Addition of Casein after. *Tekstilec*, **2020**, 63, 38-49	2.1	5
137	Impact of Solid Content in the Electrospinning Solution on the Physical and Chemical Properties of Polyacrylonitrile (PAN) Nanofibrous Mats. *Tekstilec*, **2020**, 63, 225-232	2.1	8
136	Suitability of common single circuit boards for sensing and actuating in smart textiles **2020**, 1, 170-179		5
135	Micromagnetic Simulation of Vortex Development in Magnetic Bi-Material Bow-Tie Structures. *Condensed Matter*, **2020**, 5, 5	1.8	11
134	Cell growth on electrospun nanofiber mats from polyacrylonitrile (PAN) blends. *AIMS Bioengineering*, **2020**, 7, 43-54	3.4	17
133	3D printing for microsatellites-material requirements and recent developments. *AIMS Materials Science*, **2020**, 7, 926-938	1.9	6

132	3D Printing: An Innovative Technology for Customised Shoe Manufacturing. *Lecture Notes in Mechanical Engineering*, **2020**, 171-180	0.4	1
131	Glycerin-based electrolyte for reduced drying of dye-sensitized solar cells. *Optik*, **2020**, 207, 163772	2.5	7
130	Spectroscopic investigation of highly-scattering nanofiber mats during drying and film formation. *Optik*, **2020**, 208, 164081	2.5	6
129	Optimization of the TiO2 layer in DSSCs by a nonionic surfactant. *Optik*, **2020**, 203, 163945	2.5	7
128	Recent advances in carbon nanofibers and their applications □A review. *European Polymer Journal*, **2020**, 138, 109963	5.2	49
127	Vortex nucleation and propagation in magnetic double-wedges and semi-squares for reliable quaternary storage systems. *Journal of Magnetism and Magnetic Materials*, **2020**, 514, 167294	2.8	2
126	Growth of marine macroalgae sp. on various textile substrates. *Environmental Technology (United Kingdom)*, **2020**, 1-12	2.6	0
125	Asymmetric Hysteresis Loops in Co Thin Films. *Condensed Matter*, **2020**, 5, 71	1.8	3
124	Stabilization and Incipient Carbonization of Electrospun Polyacrylonitrile Nanofibers Fixated on Aluminum Substrates. *Fibers*, **2020**, 8, 55	3.7	7
123	On the reliability of highly magnified micrographs for structural analysis in materials science. *Scientific Reports*, **2020**, 10, 14708	4.9	16
122	Stabilization of polyacrylonitrile nanofiber mats obtained by needleless electrospinning using dimethyl sulfoxide as solvent. *Journal of Industrial Textiles*, **2020**, 50, 224-239	1.6	24
121	On the use of textile materials in robotics. *Journal of Engineered Fibers and Fabrics*, **2020**, 15, 155892502091073	0.9	5
120	Micromagnetic Simulations of Chaotic Ferromagnetic Nanofiber Networks. *Nanomaterials*, **2020**, 10,	5.4	9
119	Back electrodes of dye-sensitized solar cells on textile fabrics. *Optik*, **2019**, 198, 163243	2.5	6
118	Effect of Caffeine Copigmentation of Anthocyanin Dyes on DSSC Efficiency. *Materials*, **2019**, 12,	3.5	20
117	Laser diffraction images for determination of natural and man-made fibers. *Optik*, **2019**, 197, 163212	2.5	
116	Influence of grey and color filters on the electrical properties of the dye-sensitized solar cells. *Optik* , **2019**, 186, 309-314	2.5	4
115	Commercially available teas as possible dyes for dye-sensitized solar cells. *Optik*, **2019**, 185, 178-182	2.5	15

114	Comparative Study of Mushroom Grown on Modified PAN Nanofiber Mats. *Nanomaterials*, **2019**, 9,	5.4	16
113	Predictability of sub-bandage pressure in compression therapy based on material properties. *Textile Reseach Journal*, **2019**, 89, 4410-4424	1.7	0
112	Wet Relaxation of Electrospun Nanofiber Mats. *Technologies*, **2019**, 7, 23	2.4	6
111	Magnetization reversal in ferromagnetic Fibonacci nano-spirals. *Journal of Magnetism and Magnetic Materials*, **2019**, 484, 37-41	2.8	10
110	Improved abrasion resistance of textile fabrics due to polymer coatings. *Journal of Industrial Textiles*, **2019**, 49, 572-583	1.6	2
109	Varying steps in hysteresis loops of Co square nano-frames. *Journal of Magnetism and Magnetic Materials*, **2019**, 491, 165619	2.8	11
108	Electrospun Nanofiber Mats with Embedded Non-Sintered TiO2 for Dye-Sensitized Solar Cells (DSSCs). *Fibers*, **2019**, 7, 60	3.7	17
107	Morphological study of stabilization and carbonization of polyacrylonitrile/TiO2 nanofiber mats. *Journal of Engineered Fibers and Fabrics*, **2019**, 14, 155892501986224	0.9	10
106	Growth of on Different Textile Materials for Vertical Farming. *Materials*, **2019**, 12,	3.5	5
105	Stabilization of Electrospun Nanofiber Mats Used for Filters by 3D Printing. *Polymers*, **2019**, 11,	4.5	25
104	Improving adhesion of three-dimensional printed objects on textile fabrics by polymer coating. *Journal of Engineered Fibers and Fabrics*, **2019**, 14, 155892501989525	0.9	9
103	Influence of Textile and Environmental Parameters on Plant Growth on Vertically Mounted Knitted Fabrics. *Tekstilec*, **2019**, 62, 200-207	2.1	4
102	On the Possible Use of Textile Fabrics for Vertical Farming. *Tekstilec*, **2019**, 62, 34-41	2.1	6
101	Sterilization of PAN/Gelatine Nanofibrous Mats for Cell Growth. *Tekstilec*, **2019**, 62, 78-88	2.1	20
100	Recent coating materials for textile-based solar cells. *AIMS Materials Science*, **2019**, 6, 234-251	1.9	25
99	Water Vapor Permeability through PAN Nanofiber Mat with Varying Membrane-Like Areas. *Fibres and Textiles in Eastern Europe*, **2019**, 27, 12-15	0.9	15
98	Micromagnetic simulation of thickness-dependent magnetization reversal processes in elongated iron nanodots. *Journal of Physics: Conference Series*, **2019**, 1391, 012126	0.3	0
97	Conductive Electrospun Nanofiber Mats. *Materials*, **2019**, 13,	3.5	20

96	Orientation of Electrospun Magnetic Nanofibers Near Conductive Areas. *Materials*, **2019**, 13,	3.5	18
95	Influence of FTO glass cleaning on DSSC performance. *Optik*, **2019**, 183, 253-256	2.5	5
94	Increased Mechanical Properties of Carbon Nanofiber Mats for Possible Medical Applications. *Fibers*, **2019**, 7, 98	3.7	24
93	Electrospinning a Dye-Sensitized Solar Cell. *Catalysts*, **2019**, 9, 975	4	16
92	Seed Germination and Seedling Growth on Knitted Fabrics as New Substrates for Hydroponic Systems. *Horticulturae*, **2019**, 5, 73	2.5	5
91	Electrospinning on 3D Printed Polymers for Mechanically Stabilized Filter Composites. *Polymers*, **2019**, 11,	4.5	27
90	Vortex and double-vortex nucleation during magnetization reversal in Fe nanodots of different dimensions. *Journal of Magnetism and Magnetic Materials*, **2019**, 475, 727-733	2.8	20
89	Application of natural dyes on diverse textile materials. *Optik*, **2019**, 181, 215-219	2.5	18
88	New Polymers for Needleless Electrospinning from Low-Toxic Solvents. *Nanomaterials*, **2019**, 9,	5.4	23
87	Magnetic Nanofiber Mats for Data Storage and Transfer. *Nanomaterials*, **2019**, 9,	5.4	35
86	Application methods for graphite as catalyzer in dye-sensitized solar cells. *Optik*, **2019**, 178, 1276-1279	2.5	8
85	Influence of solvents on Aloe vera gel performance in dye-sensitized solar cells. *Optik*, **2019**, 180, 615-618	2.5	9
84	Comment on "Dye-sensitized solar cells using Aloe Vera and Cladode of Cactus extracts as natural sensitizers" [Chem. Phys. Lett. 679 (2017) 97–101]. *Chemical Physics Letters*, **2019**, 714, 227-229	2.5	19
83	Influence of illumination spectra on DSSC performance. *Optik*, **2019**, 177, 8-12	2.5	9
82	Mechanical properties of composites from textiles and three-dimensional printed materials **2019**, 409-425		3
81	Raising reproducibility in dye-sensitized solar cells under laboratory conditions. *Journal of Renewable and Sustainable Energy*, **2018**, 10, 013506	2.5	22
80	Electrospraying poloxamer/(bio-)polymer blends using a needleless electrospinning machine **2018**, 1, 251522111774307		5
79	Influence of dyes and dying process parameters on the electrical properties of dye-sensitized solar cells. *Optik*, **2018**, 168, 282-286	2.5	4

78	Refilling DSSCs as a method to ensure longevity. *Optik*, **2018**, 160, 255-258	2.5	8
77	Stillstand als Täuschung. *Physik in Unserer Zeit*, **2018**, 49, 36-37	0.1	
76	Investigation of needleless electrospun PAN nanofiber mats **2018**,		27
75	Development of graphite-based conductive textile coatings **2018**, 15, 875-883		13
74	Influence of graphite-coating methods on the DSSC performance. *Optik*, **2018**, 174, 40-45	2.5	10
73	Elektrospinnen von PAN/Carbon-Nanovliesen zur Integration in textilbasierte Farbstoffsolarzellen. *Chemie-Ingenieur-Technik*, **2018**, 90, 1213-1213	0.8	
72	Spincoaten organischer Dünnschichten auf elektrogesponnene Nanovliese und -membranen. *Chemie-Ingenieur-Technik*, **2018**, 90, 1214-1215	0.8	
71	Untersuchung biologischer Nano- und Mikrostrukturen mittels AFM. *Chemie-Ingenieur-Technik*, **2018**, 90, 1215-1215	0.8	
70	Influence of fabric pretreatment on adhesion of three-dimensional printed material on textile substrates. *Advances in Mechanical Engineering*, **2018**, 10, 168781401879231	1.2	26
69	Fixing PAN Nanofiber Mats during Stabilization for Carbonization and Creating Novel Metal/Carbon Composites. *Polymers*, **2018**, 10,	4.5	39
68	Adhesion of 3D printed material on textile substrates. *Rapid Prototyping Journal*, **2018**, 24, 166-170	3.8	47
67	Water Resistance and Morphology of Electrospun Gelatine Blended with Citric Acid and Coconut Oil. *Tekstilec*, **2018**, 61, 129-135	2.1	11
66	Increasing adhesion of 3D printing on textile fabrics by polymer coating. *Tekstilec*, **2018**, 61, 265-271	2.1	27
65	Textile-based batteries with nanofiber interlayer. *AIMS Energy*, **2018**, 6, 261-268	1.8	
64	Textile-based batteries with nanofiber interlayer. *AIMS Energy*, **2018**, 6, 261-268	1.8	4
63	Electrospinning water-soluble/insoluble polymer blends. *AIMS Materials Science*, **2018**, 5, 190-200	1.9	13
62	Conductive polyacrylonitrile/graphite textile coatings. *AIMS Materials Science*, **2018**, 5, 551-558	1.9	3
61	Washing and Abrasion Resistance of Conductive Coatings for Vital Sensors **2018**, 241-250		4

60	First principle study: parametric investigation of the mechanics of elastic and inelastic textile materials for the determination of compression therapy efficacy. *Textile Reseach Journal*, **2018**, 88, 2506-2515	1.7	1
59	Influence of Salts on the Spinnability of Poly(Ethylene Glycol). *Applied Mechanics and Materials*, **2018**, 878, 313-317	0.3	2
58	Influence of different solvents on the electrical properties of dye-sensitized solar cells. *Journal of Renewable and Sustainable Energy*, **2018**, 10, 063701	2.5	4
57	Stabilization of Electrospun PAN/Gelatin Nanofiber Mats for Carbonization. *Journal of Nanomaterials*, **2018**, 2018, 1-12	3.2	22
56	Systematic study of magnetization reversal in square Fe nanodots of varying dimensions in different orientations. *Hyperfine Interactions*, **2018**, 239, 1	0.8	8
55	Preliminary Study of Ultrasonic Welding as a Joining Process for Electrospun Nanofiber Mats. *Nanomaterials*, **2018**, 8,	5.4	9
54	Adhesion of 3D printing polymers on textile fabrics for garment production. *IOP Conference Series: Materials Science and Engineering*, **2018**, 459, 012065	0.4	15
53	Magnetization reversal in bent nanofibers of different cross sections. *Journal of Applied Physics*, **2018**, 124, 152112	2.5	15
52	Increased acid-resistance of lab-coats by hydrophobic finishing. *International Journal of Clothing Science and Technology*, **2018**, 30, 784-789	0.7	
51	Dye-Sensitized Solar Cells with Electrospun Nanofiber Mat-Based Counter Electrodes. *Materials*, **2018**, 11,	3.5	21
50	Influence of Substrate Materials on Electrospun PAN Nanofiber Mats **2018**,		1
49	Examination of the sintering process-dependent properties of TiO2 on glass and textile substrates. *Journal of Photonics for Energy*, **2017**, 7, 015001	1.2	9
48	Composites of 3D-Printed Polymers and Textile Fabrics*. *IOP Conference Series: Materials Science and Engineering*, **2017**, 225, 012292	0.4	16
47	Influence of the Distance between Nanoparticles in Clusters on the Magnetization Reversal Process. *Journal of Nanomaterials*, **2017**, 2017, 1-6	3.2	6
46	Needleless Electrospinning of Pure and Blended Chitosan. *IOP Conference Series: Materials Science and Engineering*, **2017**, 225, 012098	0.4	7
45	Magnetization Reversal in Ferromagnetic Nanorings of Fourfold Symmetries. *Advances in Materials Science and Engineering*, **2017**, 2017, 1-7	1.5	1
44	Investigation of eco-friendly casein fibre production methods. *IOP Conference Series: Materials Science and Engineering*, **2017**, 254, 192004	0.4	3
43	Influence of Solution and Spinning Parameters on Nanofiber Mat Creation of Poly(ethylene oxide) by Needleless Electrospinning. *Medziagotyra*, **2017**, 23,	0.4	8

42	Magneto-optic measurements on uneven magnetic layers on cardboard. *AIP Advances*, **2017**, 7, 045306	1.5	4
41	Angle and rotational direction dependent horizontal loop shift in epitaxial Co/CoO bilayers on MgO(100). *AIP Advances*, **2017**, 7, 115223	1.5	3
40	Possible applications of nano-spun fabrics and materials. *Materials Today: Proceedings*, **2017**, 4, S154-S159	1.4	6
39	Square nano-magnets as bit-patterned media with doubled possible data density. *Materials Today: Proceedings*, **2017**, 4, S226-S231	1.4	1
38	Electrospinning chitosan blends for nonwovens with morphologies between nanofiber mat and membrane. *IOP Conference Series: Materials Science and Engineering*, **2017**, 213, 012007	0.4	9
37	Development of Underwear with Integrated 12 Channel ECG for Men and Women. *Autex Research Journal*, **2017**, 17, 344-349	1	4
36	Electrospinning and stabilization of chitosan nanofiber mats. *IOP Conference Series: Materials Science and Engineering*, **2017**, 254, 102006	0.4	9
35	Varying fabric drape by 3D-imprinted patterns for garment design. *IOP Conference Series: Materials Science and Engineering*, **2017**, 254, 172023	0.4	8
34	Three-Dimensional (3D) Printing of Polymer-Metal Hybrid Materials by Fused Deposition Modeling. *Materials*, **2017**, 10,	3.5	74
33	Needleless Electrospinning of PAN Nanofibre Mats. *Tekstilec*, **2017**, 60, 290-295	2.1	39
32	Investigation of microalgae growth on electrospun nanofiber mats. *AIMS Bioengineering*, **2017**, 4, 376-385	3.4	23
31	Influence of the pH value of anthocyanins on the electrical properties of dye-sensitized solar cells. *AIMS Energy*, **2017**, 5, 258-267	1.8	23
30	Rehydrating dye sensitized solar cells. *AIMS Energy*, **2017**, 5, 397-403	1.8	7
29	Interaction between magnetic nanoparticles in clusters. *AIMS Materials Science*, **2017**, 4, 383-390	1.9	9
28	3D printed auxetic forms on knitted fabrics for adjustable permeability and mechanical properties. *IOP Conference Series: Materials Science and Engineering*, **2016**, 137, 012011	0.4	25
27	Pseudo exchange bias due to rotational anisotropy. *Journal of Magnetism and Magnetic Materials*, **2016**, 412, 7-10	2.8	8
26	Smarten up garments through knitting. *IOP Conference Series: Materials Science and Engineering*, **2016**, 141, 012008	0.4	5
25	Examination of the sintering process dependent micro- and nanostructure of TiO2on textile substrates **2016**,		3

24	Statistical analysis of digital images of periodic fibrous structures using generalized Hurst exponent distributions. *Physica A: Statistical Mechanics and Its Applications*, **2016**, 452, 167-177	3.3	8
23	Mechanical and Electrical Contacting of Electronic Components on Textiles by 3D Printing. *Procedia Technology*, **2016**, 26, 66-71		25
22	Combining 3D printed forms with textile structures - mechanical and geometrical properties of multi-material systems. *IOP Conference Series: Materials Science and Engineering*, **2015**, 87, 012005	0.4	56
21	FDM printing of 3D forms with embedded fibrous materials **2015**,		11
20	Magnetic properties of square Py nanowires: Irradiation dose and geometry dependence. *Journal of Applied Physics*, **2015**, 117, 173903	2.5	14
19	Examination of hairiness changes due to washing in knitted fabrics using a random walk approach. *Textile Reseach Journal*, **2015**, 85, 2147-2154	1.7	6
18	Water-, oil-, and soil-repellent treatment of textiles, artificial leather, and leather. *Journal of the Textile Institute*, **2015**, 106, 611-620	1.5	12
17	Influence of shape and dimension on magnetic anisotropies and magnetization reversal of Py, Fe, and Co nano-objects with four-fold symmetry. *AIP Advances*, **2015**, 5, 097109	1.5	13
16	Das menschliche Auge. *Physik in Unserer Zeit*, **2015**, 46, 136-139	0.1	
15	Reliability of statistic evaluation of microscopic pictures taken from knitted fabrics. *Journal of Physics: Conference Series*, **2015**, 633, 012101	0.3	3
14	Suitability of knitted fabrics as elongation sensors subject to structure, stitch dimension and elongation direction. *Textile Reseach Journal*, **2014**, 84, 2006-2012	1.7	28
13	Influence of fourfold anisotropy form on hysteresis loop shape in ferromagnetic nanostructures. *AIP Advances*, **2014**, 4, 087115	1.5	4
12	Conceptual design of a sensory shirt for fire-fighters. *Textile Reseach Journal*, **2014**, 84, 1661-1665	1.7	15
11	3D printing of textile-based structures by Fused Deposition Modelling (FDM) with different polymer materials. *IOP Conference Series: Materials Science and Engineering*, **2014**, 62, 012018	0.4	131
10	Six-state, three-level, six-fold ferromagnetic wire system. *Journal of Magnetism and Magnetic Materials*, **2013**, 331, 21-23	2.8	5
9	Directional-dependent coercivities and magnetization reversal mechanisms in fourfold ferromagnetic systems of varying sizes. *Journal of Applied Physics*, **2013**, 113, 013901	2.5	14
8	Micromagnetic simulations of anisotropies in coupled and uncoupled ferromagnetic nanowire systems. *Scientific World Journal, The*, **2013**, 2013, 472597	2.2	6
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