Thomas Bechtold

List of Publications by Year
in descending order

199 papers	4,419 citations	117571 34 h-index	161767 54 g-index
211 all docs	211 docs citations	211 times ranked	3783 citing authors

#	Article	IF	Citations
1	Natural dyes in modern textile dyehouses â€" how to combine experiences of two centuries to meet the demands of the future?. Journal of Cleaner Production, 2003, 11, 499-509.	4.6	228
2	Attenuated total reflectance Fourier-transform Infrared spectroscopy analysis of crystallinity changes in lyocell following continuous treatment with sodium hydroxide. Cellulose, 2010, 17, 103-115.	2.4	214
3	A kinetic study of moisture sorption and desorption on lyocell fibers. Carbohydrate Polymers, 2004, 58, 293-299.	5.1	133
4	Extraction of natural dyes for textile dyeing from coloured plant wastes released from the food and beverage industry. Journal of the Science of Food and Agriculture, 2006, 86, 233-242.	1.7	122
5	Cotton fabrics with UV blocking properties through metal salts deposition. Applied Surface Science, 2015, 357, 1878-1889.	3.1	103
6	The development of indigo reduction methods and preâ€reduced indigo products. Coloration Technology, 2009, 125, 193-207.	0.7	92
7	Treatments to impart antimicrobial activity to clothing and household cellulosic-textiles â€" why â€œNanoâ€-silver?. Journal of Cleaner Production, 2013, 39, 17-23.	4.6	90
8	Effect of fibre orientation on the mechanical properties of polypropyleneâ€"lyocell composites. Cellulose, 2018, 25, 7197-7210.	2.4	88
9	Copper(I)oxide surface modified cellulose fibersâ€"Synthesis, characterization and antimicrobial properties. Surface and Coatings Technology, 2014, 254, 344-351.	2.2	82
10	In-situ deposition of Cu 2 O micro-needles for biologically active textiles and their release properties. Carbohydrate Polymers, 2017, 165, 255-265.	5.1	81
11	Natural dyeing of wool and hair with indigo carmine (C.I. Natural Blue 2), a renewable resource based blue dye. Journal of Cleaner Production, 2009, 17, 1487-1493.	4.6	77
12	Mechanistic insights into the electrochemical oxidation of dopamine by cyclic voltammetry. Journal of Electroanalytical Chemistry, 2019, 836, 94-101.	1.9	72
13	Cathodic decolourisation of textile waste water containing reactive dyes using a multi-cathode electrolyser. Journal of Chemical Technology and Biotechnology, 2001, 76, 303-311.	1.6	71
14	Green reducing agents for indigo dyeing on cotton fabrics. Journal of Cleaner Production, 2018, 197, 106-113.	4.6	68
15	Changes in the intra- and inter-fibrillar structure of lyocell (TENCELÂ®) fibers caused by NaOH treatment. Cellulose, 2009, 16, 37-52.	2.4	62
16	Process balance and product quality in the production of natural indigo from Polygonum tinctorium Ait. applying low-technology methods. Bioresource Technology, 2002, 81, 171-177.	4.8	59
17	Anthocyanin dyes extracted from grape pomace for the purpose of textile dyeing. Journal of the Science of Food and Agriculture, 2007, 87, 2589-2595.	1.7	57
18	Fibrillation Tendency of Cellulosic Fibers. Part 1: Effects of Swelling. Cellulose, 2005, 12, 267-273.	2.4	56

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19	Metal mordanting in dyeing with natural colourants. Coloration Technology, 2016, 132, 107-113.	0.7	56
20	Characterization of cellulosic fibers and fabrics by sorption/desorption. Carbohydrate Research, 2008, 343, 2194-2199.	1.1	55
21	Alkali treatment of cellulose II fibres and effect on dye sorption. Carbohydrate Polymers, 2011, 84, 299-307.	5.1	52
22	Anthraquinones as mediators for the indirect cathodic reduction of dispersed organic dyestuffs. Journal of Electroanalytical Chemistry, 1999, 465, 80-87.	1.9	50
23	Reuse of ashâ€tree (<i>Fraxinus excelsior</i> L.) bark as natural dyes for textile dyeing: process conditions and process stability. Coloration Technology, 2007, 123, 271-279.	0.7	50
24	Electrochemical reduction in vat dyeing: greener chemistry replaces traditional processes. Journal of Cleaner Production, 2009, 17, 1669-1679.	4.6	48
25	Ca2+â€“Fe3+â€“D-gluconate-complexes in alkaline solution. Complex stabilities and electrochemical properties. Dalton Transactions RSC, 2002, , 2683-2688.	2.3	46
26	Moisture sorption/desorption behavior of various manmade cellulosic fibers. Journal of Applied Polymer Science, 2005, 97, 1621-1625.	1.3	46
27	Production of a concentrated natural dye from Canadian Goldenrod (Solidago canadensis) extracts. Dyes and Pigments, 2012, 93, 1416-1421.	2.0	46
28	Alkali-stable iron complexes as mediators for the electrochemical reduction of dispersed organic dyestuffs. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 2451.	1.7	44
29	Modification of cellulose fiber with silk sericin. Journal of Applied Polymer Science, 2005, 96, 1421-1428.	1.3	44
30	Indirect Electrochemical Reduction of Dispersed Indigo Dyestuff. Journal of the Electrochemical Society, 1996, 143, 2411-2416.	1.3	43
31	Aluminium based dye lakes from plant extracts for textile coloration. Dyes and Pigments, 2012, 94, 533-540.	2.0	42
32	Fiber Friction in Yarnâ€”A Fundamental Property of Fibers. Textile Reseach Journal, 2003, 73, 721-726.	1.1	39
33	pH Dependent redox behaviour of Alizarin Red S (1,2-dihydroxy-9,10-anthraquinone-3-sulfonate) â€“ Cyclic voltammetry in presence of dispersed vat dye. Dyes and Pigments, 2011, 91, 324-331.	2.0	39
34	Conductive layers through electroless deposition of copper on woven cellulose lyocell fabrics. Surface and Coatings Technology, 2018, 348, 13-21.	2.2	38
35	The complexation of Fe(III)-ions in cellulose fibres: a fundamental property. Carbohydrate Polymers, 2004, 56, 47-53.	5.1	37
36	A new method to visualize and characterize the pore structure of TENCELÂ® (Lyocell) and other manâ€made cellulosic fibres using a fluorescent dye molecular probe. Journal of Applied Polymer Science, 2007, 106, 2083-2091.	1.3	37

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37	Cathodic decolourisation of reactive dyes in model effluents released from textile dyeing. Journal of Cleaner Production, 2017, 142, 1397-1405.	4.6	36
38	Multivalent Ions as Reactive Crosslinkers for Biopolymersâ€"A Review. Molecules, 2020, 25, 1840.	1.7	34
39	Electrochemical decolourisation of dispersed indigo on boron-doped diamond anodes. Diamond and Related Materials, 2006, 15, 1513-1519.	1.8	33
40	Copper inclusion in cellulose using sodium d-gluconate complexes. Carbohydrate Polymers, 2012, 90, 1345-1352.	5.1	31
41	Fibrillation tendency of cellulosic fibersâ€"Part 4. Effects of alkali pretreatment of various cellulosic fibers. Carbohydrate Polymers, 2005, 61, 427-433.	5.1	30
42	Functionalisation of cellulosic substrates by a facile solventless method of introducing carbamate groups. Carbohydrate Polymers, 2010, 82, 1191-1197.	5.1	30
43	Ion-interactions as driving force in polysaccharide assembly. Carbohydrate Polymers, 2013, 93, 316-323.	5.1	30
44	Water Accessibilities of Man-made Cellulosic Fibers â€" Effects of Fiber Characteristics. Cellulose, 2005, 12, 403-410.	2.4	25
45	Cathodic decolourization of textile dyebaths: Tests with full scale plant. Journal of Applied Electrochemistry, 2002, 32, 943-950.	1.5	24
46	Iron-complexes of bis(2-hydroxyethyl)-amino-compounds as mediators for the indirect reduction of dispersed vat dyes â€" Cyclic voltammetry and spectroelectrochemical experiments. Journal of Electroanalytical Chemistry, 2006, 591, 118-126.	1.9	24
47	Electrochemical characteristics and dyeing properties of selected 9,10-anthraquinones as mediators for the indirect cathodic reduction of dyes. Dyes and Pigments, 2010, 87, 194-203.	2.0	24
48	Splitting tendency of cellulosic fibers â€" Part 1. The effect of shear force on mechanical stability of swollen lyocell fibers. Cellulose, 2006, 13, 393-402.	2.4	23
49	Analysis of crystallinity changes in cellulose II polymers using carbohydrate-binding modules. Carbohydrate Polymers, 2012, 89, 213-221.	5.1	23
50	Flexible Textile Strain Sensor Based on Copper-Coated Lyocell Type Cellulose Fabric. Polymers, 2019, 11, 784.	2.0	23
51	Fe3+-gluconate and Ca2+-Fe3+-gluconate complexes as mediators for indirect cathodic reduction of vat dyes ? Cyclic voltammetry and batch electrolysis experiments. Journal of Applied Electrochemistry, 2004, 34, 1221-1227.	1.5	21
52	Textile-Integrated Thermocouples for Temperature Measurement. Materials, 2020, 13, 626.	1.3	21
53	Spun-dyed lyocell. Dyes and Pigments, 2007, 74, 519-524.	2.0	20
54	Treatment in Swelling Solutions Modifying Cellulose Fiber Reactivity â€" Part 1: Accessibility and Sorption. Macromolecular Symposia, 2008, 262, 39-49.	0.4	20

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55	Application of ATR-FT-IR Single-Fiber Analysis for the Identification of a Foreign Polymer in Textile Matrix. International Journal of Polymer Analysis and Characterization, 2011, 16, 259-268.	0.9	20
56	A novel silver-containing absorbent wound dressing based on spacer fabric. Journal of Materials Chemistry B, 2017, 5, 6786-6793.	2.9	20
57	Surface Activation of High Performance Polymer Fibers: A Review. Polymer Reviews, 2022, 62, 757-788.	5.3	20
58	Fibrillation Tendency of Cellulosic Fibers. Part 2: Effects of Temperature. Cellulose, 2005, 12, 275-279.	2.4	19
59	Treatment in Swelling Solutions Modifying Cellulose Fiber Reactivity â€" Part 2: Accessibility and Reactivity. Macromolecular Symposia, 2008, 262, 50-64.	0.4	19
60	Reduction of Dispersed Indigo Dye by Indirect Electrolysis. Angewandte Chemie International Edition in English, 1992, 31, 1068-1069.	4.4	18
61	Sodium metabisulfite in blue jeans: an unexpected cause of textile contact dermatitis. Contact Dermatitis, 2014, 70, 190-192.	0.8	18
62	Microclimate in ski boots â€" Temperature, relative humidity, and water absorption. Applied Ergonomics, 2014, 45, 515-520.	1.7	18
63	Copper(<scp>i</scp>)oxide microparticles â€" synthesis and antimicrobial finishing of textiles. Journal of Materials Chemistry B, 2015, 3, 5886-5892.	2.9	18
64	Controlled Surface Modification of Polyamide 6.6 Fibres Using CaCl2/H2O/EtOH Solutions. Polymers, 2018, 10, 207.	2.0	18
65	Water-based slurries for high-energy LiFePO4 batteries using embroidered current collectors. Scientific Reports, 2020, 10, 5565.	1.6	18
66	Optimization of Multi-Cathode Membrane Electrolysers for the Indirect Electrochemical Reduction of Indigo. Chemical Engineering and Technology, 1998, 21, 877-880.	0.9	17
67	Splitting tendency of cellulosic fibers. Part 2: Effects of fiber swelling in alkali solutions. Cellulose, 2006, 13, 403-409.	2.4	17
68	Sorption studies on regenerated cellulosic fibers in saltâ€"alkali mixtures. Cellulose, 2006, 13, 647-654.	2.4	17
69	On-site formation of hypochlorite for indigo oxidation â€" Scale-up and full scale operation of an electrolyser for denim bleach processes. Journal of Applied Electrochemistry, 2006, 36, 287-293.	1.5	17
70	Efficient processing of raw material defines the ecological position of natural dyes in textile production. International Journal of Environment and Waste Management, 2008, 2, 215.	0.2	17
71	The reduction of dispersed indigo by cathodically formed 1,2,4-trihydroxynaphthalene. Dyes and Pigments, 2009, 83, 21-30.	2.0	17
72	Extraction of polyphenolic substances from bark as natural colorants for wool dyeing. Coloration Technology, 2019, 135, 32-39.	0.7	17

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73	Thermal stability of natural dye lakes from Canadian Goldenrod and onion peel as sustainable pigments. Journal of Cleaner Production, 2021, 315, 128195.	4.6	17
74	Reduktion von dispergiertem Indigo durch indirekte Elektrolyse. Angewandte Chemie, 1992, 104, 1046-1047.	1.6	16
75	Development of a Fast and Reliable Method for the Assessment of Microbial Colonization and Growth on Textiles by DNA Quantification. Journal of Molecular Microbiology and Biotechnology, 2008, 14, 193-200.	1.0	16
76	Sorption of alkaline earth metal ions Ca2+ and Mg2+ on lyocell fibres. Carbohydrate Polymers, 2009, 76, 123-128.	5.1	16
77	Washâ€"dry cycle induced changes in lowâ€ordered parts of regenerated cellulosic fibers. Journal of Applied Polymer Science, 2012, 126, E397.	1.3	16
78	Viscose as an alternative to aramid in workwear: Influence on endurance performance, cooling, and comfort. Textile Reseach Journal, 2013, 83, 2085-2092.	1.1	16
79	Multi-Point Flexible Temperature Sensor Array and Thermoelectric Generator Made from Copper-Coated Textiles. Sensors, 2021, 21, 3742.	2.1	16
80	In-fibre formation of Fe(OH)3â€"a new approach to pigment coloration of cellulose fibres. Dyes and Pigments, 2004, 60, 137-142.	2.0	15
81	The influence of alkali pretreatments in lyocell resin finishingâ€"Resin distribution and mechanical properties. Journal of Applied Polymer Science, 2006, 100, 3596-3601.	1.3	15
82	Splitting tendency of cellulosic fibers. Part 3: splitting tendency of viscose and modal fibers. Cellulose, 2008, 15, 101-109.	2.4	15
83	Electrochemistry of Iron(II/III)â€N,N'â€ethyleneâ€bisâ€(oâ€hydroxyphenylglycine) Complexes in Aqueous Solution Indicates Potential for Use in Redox Flow Batteries. ChemElectroChem, 2019, 6, 3311-3318.	1.7	15
84	Structural elucidation of mixed carrageenan gels using rheometry. Food Hydrocolloids, 2019, 95, 533-539.	5.6	15
85	Modelling of phase separation of alginate-carrageenan gels based on rheology. Food Hydrocolloids, 2019, 89, 765-772.	5.6	15
86	Towards the Functional Ageing of Electrically Conductive and Sensing Textiles: A Review. Sensors, 2021, 21, 5944.	2.1	15
87	Alkali Uptake and Swelling Behavior of Lyocell Fiber and their Effects on Crosslinking Reaction. Cellulose, 2005, 12, 459-467.	2.4	14
88	Influence of ligand type and solution pH on heavy metal ion complexation in cellulosic fibre: model calculations and experimental results. Cellulose, 2009, 16, 53-63.	2.4	14
89	Swelling and dissolution mechanism of regenerated cellulosic fibers in aqueous alkaline solution containing ferric tartaric acid complex: Part I. Viscose fibers. Carbohydrate Polymers, 2010, 82, 761-767.	5.1	14
90	Surface activation of dyed fabric for cellulase treatment. Biotechnology Journal, 2011, 6, 1280-1285.	1.8	14

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91	Ca2+ sorption on regenerated cellulose fibres. Carbohydrate Polymers, 2012, 90, 937-942.	5.1	14
92	Spatial Structure Investigation of Porous Shell Layer Formed by Swelling of PA66 Fibers in CaCl₂/H₂O/EtOH Mixtures. Langmuir, 2019, 35, 4902-4908.	1.6	14
93	Calcium-iron-D-gluconate complexes for the indirect cathodic reduction of indigo in denim dyeing: A greener alternative to non-regenerable chemicals. Journal of Cleaner Production, 2020, 266, 121753.	4.6	14
94	Unprecedented conformational modulation of the efficiency of luminescence in Ru(II) bipyridyl complexes containing a bis(bidentate) phosphine. Inorganic Chemistry Communication, 2005, 8, 319-322.	1.8	13
95	Pilling in cellulosic fabrics, Part 2: A study on kinetics of pilling in alkaliâ€treated lyocell fabrics. Journal of Applied Polymer Science, 2008, 109, 3696-3703.	1.3	13
96	Effect of alkali pre-treatment on hydrolysis of regenerated cellulose fibers (part 1: viscose) by cellulases. Cellulose, 2009, 16, 1057-1068.	2.4	13
97	Influence of steam and dry heat pretreatment on fibre properties and cellulase degradation of cellulosic fibres. Biocatalysis and Biotransformation, 2004, 22, 383-389.	1.1	12
98	Dyeing behaviour of hydrogenated indigo in electrochemically reduced dyebaths. Coloration Technology, 2008, 124, 324-330.	0.7	12
99	Alkali treatments of lyocell in continuous processes. I. Effects of temperature and alkali concentration on the treatments of plain woven fabrics. Journal of Applied Polymer Science, 2009, 113, 3646-3655.	1.3	12
100	CI Reactive Black 5 dye as a visible crosslinker to improve physical properties of lyocell fabrics. Cellulose, 2009, 16, 27-35.	2.4	12
101	Changes in the Interâ€•and Intraâ€•Fibrillar Structure of Lyocell (TENCELÂ®) Fibers after KOH Treatment. Macromolecular Symposia, 2010, 294, 24-37.	0.4	12
102	Moisture management properties of ski-boot liner materials. Textile Reseach Journal, 2012, 82, 99-107.	1.1	12
103	Sorption of anionic polysaccharides by cellulose. Carbohydrate Polymers, 2012, 87, 695-700.	5.1	12
104	Bleaching of indigo-dyed denim fabric by electrochemical formation of hypohalogenites in situ. Coloration Technology, 2005, 121, 64-68.	0.7	11
105	Advantages of a two-step enzymatic process for cottonâ€“polyester blends. Biotechnology Letters, 2008, 30, 455-459.	1.1	11
106	Swelling and dissolution mechanism of lyocell fiber in aqueous alkaline solution containing ferric tartaric acid complex. Cellulose, 2010, 17, 521-532.	2.4	11
107	Production scale plasma modification of polypropylene baselayer for improved water management properties. Journal of Applied Polymer Science, 2015, 132, .	1.3	11
108	Surface modification of textile material through deposition of regenerated silk fibroin. Journal of Applied Polymer Science, 2017, 134, 45098.	1.3	11

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109	Piezo-Sensitive Fabrics from Carbon Black Containing Conductive Cellulose Fibres for Flexible Pressure Sensors. Materials, 2020, 13, 5150.	1.3	11
110	Tunable colors and conductivity by electroless growth of Cu/Cu2O particles on sol-gel modified cellulose. Nano Research, 2020, 13, 2658-2664.	5.8	11
111	Determination of reaction rate between cathodically formed FeII-triethanolamine-complex and FeIII-hepta-d-gluconate complex by cyclic voltammetry. Journal of Electroanalytical Chemistry, 2005, 580, 173-178.	1.9	10
112	Electrochemical reduction of CI sulphur black 1â€”correlation between electrochemical parameters and colour depth in exhaust dyeing. Journal of Applied Electrochemistry, 2007, 38, 25-30.	1.5	10
113	Nonalkali swelling solutions for regenerated cellulose. Cellulose, 2010, 17, 913-922.	2.4	10
114	Assessment of moisture management performance of multilayer compression bandages. Textile Reseach Journal, 2013, 83, 871-880.	1.1	10
115	The role of electrode orientation to enhance mass transport in redox flow batteries. Electrochemistry Communications, 2020, 111, 106650.	2.3	10
116	Investigation of the decomplexation of polyamide/<scp>CaCl₂</scp> complex toward a green, nondestructive recovery of polyamide from textile waste. Journal of Applied Polymer Science, 2021, 138, 51170.	1.3	10
117	Distinguishing liquid ammonia from sodium hydroxide mercerization in cotton textiles. Cellulose, 2022, 29, 4183-4202.	2.4	10
118	Fibrillation tendency of cellulosic fibers. VII. Combined effects of treatments with an alkali, crosslinking agent, and reactive dye. Journal of Applied Polymer Science, 2006, 100, 1176-1183.	1.3	9
119	Temperature, relative humidity and water absorption in ski boots. Procedia Engineering, 2011, 13, 44-50.	1.2	9
120	The influence of alkali pretreatments in lyocell resin finishingâ€”Changes in fiber accessibility to crosslinker and catalyst. Carbohydrate Polymers, 2011, 86, 612-620.	5.1	9
121	Aqueous thiocyanateâ€“urea solution as a powerful non-alkaline swelling agent for cellulose fibres. Carbohydrate Polymers, 2015, 116, 124-130.	5.1	9
122	Analysis of moisture sorption in lyocell-polypropylene composites. Cellulose, 2017, 24, 1837-1847.	2.4	9
123	New Three-Dimensional Porous Electrode Concept: Vertically-Aligned Carbon Nanotubes Directly Grown on Embroidered Copper Structures. Nanomaterials, 2017, 7, 438.	1.9	9
124	A second life for lowâ€grade wool through formation of allâ€keratin composites in cystine reducing calcium chlorideâ€“waterâ€“ethanol solution. Journal of Chemical Technology and Biotechnology, 2019, 94, 3384-3392.	1.6	9
125	Fibrillation tendency of cellulosic fibers, part 6: Effects of treatments with additive polymers. Journal of Applied Polymer Science, 2006, 101, 4140-4147.	1.3	8
126	A study on the dyeing characteristics and electrochemical behaviour of lawsoneâ€“indigo mixtures. Coloration Technology, 2011, 127, 153-158.	0.7	8

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127	Indirect cathodic reduction of dispersed indigo by 1,2-dihydroxy-9,10-anthraquinone-3-sulphonate (Alizarin Red S). Journal of Solid State Electrochemistry, 2011, 15, 1875-1884.	1.2	8
128	Indirect cathodic reduction of dispersed CI Vat Blue 1 (indigo) by dihydroxy-9,10-anthraquinones in cyclic voltammetry experiments. Journal of Electroanalytical Chemistry, 2011, 654, 29-37.	1.9	8
129	Sorption of iron(III)â€“alginate complexes on cellulose fibres. Cellulose, 2013, 20, 2481-2490.	2.4	8
130	One-sided surface modification of cellulose fabric by printing a modified TEMPO-mediated oxidant. Carbohydrate Polymers, 2014, 106, 142-147.	5.1	8
131	Performance limitation and the role of core temperature when wearing light-weight workwear under moderate thermal conditions. Journal of Thermal Biology, 2015, 47, 83-90.	1.1	8
132	X-ray micro tomography of three-dimensional embroidered current collectors for lithium-ion batteries. Journal of Power Sources, 2016, 306, 826-831.	4.0	8
133	Alkali pretreatments and crosslinking of lyocell fabrics. Cellulose, 2017, 24, 3991-4002.	2.4	8
134	Salt sorption on regenerated cellulosic fibers: electrokinetic measurements. Cellulose, 2018, 25, 3307-3314.	2.4	8
135	Monitoring the State-of-Charge in All-Iron Aqueous Redox Flow Batteries. Journal of the Electrochemical Society, 2018, 165, A3164-A3168.	1.3	8
136	Drying Rates in Resin Treatment of Lyocell Fabrics. Textile Reseach Journal, 2005, 75, 258-264.	1.1	7
137	Tannins and Tannin Agents. , 0, , 201-219.		7
138	Swelling and dissolution mechanism of regenerated cellulosic fibers in aqueous alkaline solution containing ferricâ€“tartaric acid complexâ€"Part II: Modal fibers. Carbohydrate Polymers, 2010, 82, 1068-1073.	5.1	7
139	Steam Processing of Regenerated Cellulose Fabric in Concentrated LiCl/Urea Solutions. Macromolecular Materials and Engineering, 2012, 297, 540-549.	1.7	7
140	Multi-chamber electroosmosis using textile reinforced agar membranes â€“ A promising concept for the future of hemodialysis. Carbohydrate Polymers, 2016, 136, 81-86.	5.1	7
141	Tailored fibre placement of carbon fibre rovings for reinforced polypropylene composite part 1: PP infusion of carbon reinforcement. Composites Part B: Engineering, 2019, 162, 703-711.	5.9	7
142	Surface coated cellulose fibres as a biobased alternative to functional synthetic fibres. Journal of Cleaner Production, 2020, 275, 123857.	4.6	7
143	Quantification of aniline and N-methylaniline in indigo. Scientific Reports, 2021, 11, 21135.	1.6	7
144	Complexation-mediated surface modification of polyamide-66 textile to enhance electroless copper deposition. Materials Chemistry and Physics, 2022, 288, 126383.	2.0	7

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145	Natural Colorants in Hair Dyeing. , 0, , 339-350.		6
146	High current density 3D electrodes manufactured by technical embroidery. Journal of Solid State Electrochemistry, 2013, 17, 2303-2309.	1.2	6
147	All-cellulose composites from woven fabrics. Composites Science and Technology, 2013, 78, 30-40.	3.8	6
148	Flotation of Particles Suspended in Lye by the Decomposition of Hydrogen Peroxide. Separation Science and Technology, 1989, 24, 441-451.	1.3	5
149	Alkaline treatment of cotton in different reagent mixtures with reduced water content. I. Influence of alkali type and additives. Journal of Applied Polymer Science, 2006, 99, 2848-2855.	1.3	5
150	Pilling in manâ€made cellulosic fabrics, part 1: Assessment of pilling formation methods. Journal of Applied Polymer Science, 2008, 110, 531-538.	1.3	5
151	Model calculations to optimise multi-cathode flow through electrolysers: direct cathodic reduction of C.I. Sulphur Black 1. Journal of Applied Electrochemistry, 2009, 39, 1963-1973.	1.5	5
152	NaOH/urea aqueous solutions improving properties of regeneratedâ€cellulosic fabrics. Journal of Applied Polymer Science, 2010, 115, 2865-2874.	1.3	5
153	Alkali pretreatment and resin finishing of lyocell: Effect of sodium hydroxide pretreatments. Journal of Applied Polymer Science, 2010, 115, 2898-2910.	1.3	5
154	Investigation of the spinnability of cellulose/alkaline ferric tartrate solutions. Carbohydrate Polymers, 2012, 87, 195-201.	5.1	5
155	Direct carbamation of cellulose fiber sheets. Cellulose, 2014, 21, 627-640.	2.4	5
156	Characterisation of embroidered 3D electrodes by use of anthraquinone-1,5-disulfonic acid as probe system. Journal of Power Sources, 2014, 254, 224-231.	4.0	5
157	Printing of reactive silicones for surface modification of textile material. Journal of Applied Polymer Science, 2015, 132, .	1.3	5
158	2-Azidoimidazolium Ions Captured by N-Heterocyclic Carbenes: Azole-Substituted Triazatrimethine Cyanines. Crystals, 2016, 6, 40.	1.0	5
159	Quantification of triethanolamine through measurement of catalytic current in alkaline iron-d-gluconate solution. Journal of Electroanalytical Chemistry, 2018, 830-831, 50-55.	1.9	5
160	Treatment of polyamide 66 fabric for increased ultraviolet protection. Textile Reseach Journal, 2020, 90, 1881-1888.	1.1	5
161	Anodic Coating of 1.4622 Stainless Steel with Polydopamine by Repetitive Cyclic Voltammetry and Galvanostatic Deposition. Industrial & Engineering Chemistry Research, 2020, 59, 236-244.	1.8	5
162	Analysis of the Fibroin Solution State in Calcium Chloride/Water/Ethanol for Improved Understanding of the Regeneration Process. Fibres and Textiles in Eastern Europe, 2018, 26, 43-50.	0.2	5

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163	Characterisation of reduction state of cystine linkages on wool fibre surface under heterogeneous reaction conditions. Polymer Testing, 2022, 106, 107438.	2.3	5
164	Localised Catalyst Printing for Flexible Conductive Lines by Electroless Copper Deposition on Textiles. , 2022, , .		5
165	Pilot-scale electrolyser for the cathodic reduction of oxidised C.I. Sulphur Black 1. Dyes and Pigments, 2008, 77, 502-509.	2.0	4
166	What Does LiOH Treatment Offer for Lyocell Fibers? Investigation of Structural Changes. Industrial & Engineering Chemistry Research, 2011, 50, 9087-9094.	1.8	4
167	Sorption behavior of reactive dyed labelled fibroin on fibrous substrates. Journal of Applied Polymer Science, 2016, 133, .	1.3	4
168	Effects of two different battings (sheep wool versus polyester microfiber) in an outdoor jacket on the heat and moisture management and comfort sensation in the cold. Textile Reseach Journal, 2016, 86, 191-201.	1.1	4
169	Activation of carbon tow electrodes for use in iron aqueous redox systems for electrochemical applications. Journal of Materials Chemistry C, 2020, 8, 7755-7764.	2.7	4
170	Alkaline treatment of cotton in different reagent mixtures with reduced water content. II. Influence of finishing procedure. Journal of Applied Polymer Science, 2006, 101, 1194-1201.	1.3	3
171	Caregiverâ€™s vision of bedding textiles for elderly. Fashion and Textiles, 2015, 2, .	1.3	3
172	Modification of polypropylene fibres with cationic polypropylene dispersion for improved dyeability. Coloration Technology, 2018, 134, 400-407.	0.7	3
173	The effect of different water vapor permeable jackets on moisture management, subjective perceptions and physiological parameters during submaximal exercise in a cool environment. Textile Reseach Journal, 2019, 89, 528-540.	1.1	3
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