

# Thomas Bechtold

## List of Publications by Year in descending order

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199  
papers

4,419  
citations

117453

34  
h-index

161609

54  
g-index

211  
all docs

211  
docs citations

211  
times ranked

3783  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterisation of reduction state of cystine linkages on wool fibre surface under heterogeneous reaction conditions. <i>Polymer Testing</i> , 2022, 106, 107438.	2.3	5
2	Surface Activation of High Performance Polymer Fibers: A Review. <i>Polymer Reviews</i> , 2022, 62, 757-788.	5.3	20
3	Distinguishing liquid ammonia from sodium hydroxide mercerization in cotton textiles. <i>Cellulose</i> , 2022, 29, 4183-4202.	2.4	10
4	Characterisation of enzyme catalysed hydrolysis stage of poly(lactic acid) fibre surface by nanoscale thermal analysis: New mechanistic insight. <i>Materials and Design</i> , 2022, 219, 110810.	3.3	3
5	Localised Catalyst Printing for Flexible Conductive Lines by Electroless Copper Deposition on Textiles. , 2022, , .		5
6	Complexation-mediated surface modification of polyamide-66 textile to enhance electroless copper deposition. <i>Materials Chemistry and Physics</i> , 2022, 288, 126383.	2.0	7
7	Swelling of kappa carrageenan hydrogels in simulated body fluid for hypothetical vessel occlusion applications. <i>Journal of Biomaterials Applications</i> , 2022, 37, 588-599.	1.2	2
8	Investigation on the Behavior of Carrageenan Hydrogels for Compressive Intra-Vessel Disintegration. <i>Macromolecular Bioscience</i> , 2021, 21, 2000348.	2.1	2
9	Investigation of the decomplexation of polyamide/CaCl <sub>2</sub> complex toward a green, nondestructive recovery of polyamide from textile waste. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51170.	1.3	10
10	Multi-Point Flexible Temperature Sensor Array and Thermoelectric Generator Made from Copper-Coated Textiles. <i>Sensors</i> , 2021, 21, 3742.	2.1	16
11	Towards the Functional Ageing of Electrically Conductive and Sensing Textiles: A Review. <i>Sensors</i> , 2021, 21, 5944.	2.1	15
12	Thermal stability of natural dye lakes from Canadian Goldenrod and onion peel as sustainable pigments. <i>Journal of Cleaner Production</i> , 2021, 315, 128195.	4.6	17
13	Quantification of aniline and N-methylaniline in indigo. <i>Scientific Reports</i> , 2021, 11, 21135.	1.6	7
14	The role of electrode orientation to enhance mass transport in redox flow batteries. <i>Electrochemistry Communications</i> , 2020, 111, 106650.	2.3	10
15	Treatment of polyamide 66 fabric for increased ultraviolet protection. <i>Textile Research Journal</i> , 2020, 90, 1881-1888.	1.1	5
16	Anodic Coating of 1.4622 Stainless Steel with Polydopamine by Repetitive Cyclic Voltammetry and Galvanostatic Deposition. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 236-244.	1.8	5
17	Surface coated cellulose fibres as a biobased alternative to functional synthetic fibres. <i>Journal of Cleaner Production</i> , 2020, 275, 123857.	4.6	7
18	Piezo-Sensitive Fabrics from Carbon Black Containing Conductive Cellulose Fibres for Flexible Pressure Sensors. <i>Materials</i> , 2020, 13, 5150.	1.3	11

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19	Investigation of Interfacial Diffusion in PA/PP-g-MAH Laminates Using Nanoscale Infrared Spectroscopy. <i>Langmuir</i> , 2020, 36, 9886-9893.	1.6	3
20	Reactive Modification of Fiber Polymer Materials for Textile Applications. , 2020, , 21-41.		0
21	Special Issue "Textile-Based Advanced Materials: Construction, Properties and Applications" Materials, 2020, 13, 5766.	1.3	2
22	Activation of carbon tow electrodes for use in iron aqueous redox systems for electrochemical applications. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7755-7764.	2.7	4
23	Calcium-iron-D-gluconate complexes for the indirect cathodic reduction of indigo in denim dyeing: A greener alternative to non-regenerable chemicals. <i>Journal of Cleaner Production</i> , 2020, 266, 121753.	4.6	14
24	Water-based slurries for high-energy LiFePO4 batteries using embroidered current collectors. <i>Scientific Reports</i> , 2020, 10, 5565.	1.6	18
25	Tunable colors and conductivity by electroless growth of Cu/Cu2O particles on sol-gel modified cellulose. <i>Nano Research</i> , 2020, 13, 2658-2664.	5.8	11
26	Grafting of wool fibers through disulfide bonds: An advanced application of S-protected thiolated starch. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 473-481.	3.6	2
27	Textile-Integrated Thermocouples for Temperature Measurement. <i>Materials</i> , 2020, 13, 626.	1.3	21
28	Multivalent Ions as Reactive Crosslinkers for Biopolymers" A Review. <i>Molecules</i> , 2020, 25, 1840.	1.7	34
29	Polymer Interface Reactions. , 2020, , 55-96.		1
30	A second life for low-grade wool through formation of all-keratin composites in cystine reducing calcium chloride-water-ethanol solution. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 3384-3392.	1.6	9
31	Conductive textiles via electroless deposition for flexible electronics. , 2019, , .		0
32	Mechanistic insights into the electrochemical oxidation of dopamine by cyclic voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 2019, 836, 94-101.	1.9	72
33	Electrochemistry of Iron(II/III)-N,N'-ethylenebis(o-hydroxyphenylglycine) Complexes in Aqueous Solution Indicates Potential for Use in Redox Flow Batteries. <i>ChemElectroChem</i> , 2019, 6, 3311-3318.	1.7	15
34	Structural elucidation of mixed carrageenan gels using rheometry. <i>Food Hydrocolloids</i> , 2019, 95, 533-539.	5.6	15
35	Flexible Textile Strain Sensor Based on Copper-Coated Lyocell Type Cellulose Fabric. <i>Polymers</i> , 2019, 11, 784.	2.0	23
36	Sex-related differences in clothing-microclimate and subjective perceptions while wearing two outdoor jackets during submaximal exercise in a cool environment. <i>Journal of the Textile Institute</i> , 2019, 110, 1343-1351.	1.0	2

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37	Spatial Structure Investigation of Porous Shell Layer Formed by Swelling of PA66 Fibers in CaCl <sub>2</sub> /H <sub>2</sub> O/EtOH Mixtures. Langmuir, 2019, 35, 4902-4908.	1.6	14
38	2. Textile fibres. , 2019, , 17-92.		0
39	14. Surfactants, detergents and laundry. , 2019, , 419-438.		0
40	1. Textiles. , 2019, , 1-16.		1
41	4. Basic interactions between fibre polymers and sorptives. , 2019, , 115-138.		0
42	5. Thermodynamics and kinetics in fibre chemistry. , 2019, , 139-166.		0
43	11. Pre-treatment. , 2019, , 329-352.		0
44	12. Finishing. , 2019, , 353-396.		0
45	15. Environmental aspects of textiles. , 2019, , 439-458.		0
46	Extraction of polyphenolic substances from bark as natural colorants for wool dyeing. Coloration Technology, 2019, 135, 32-39.	0.7	17
47	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
48	Modelling of phase separation of alginate-carrageenan gels based on rheology. Food Hydrocolloids, 2019, 89, 765-772.	5.6	15
49	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
50	Salt sorption on regenerated cellulosic fibers: electrokinetic measurements. Cellulose, 2018, 25, 3307-3314.	2.4	8
51	Development and Characterization of Fiber-Based Pressure Sensors. Proceedings (mdpi), 2018, 2, .	0.2	0
52	Effect of fibre orientation on the mechanical properties of polypropylene-lyocell composites. Cellulose, 2018, 25, 7197-7210.	2.4	88
53	Monitoring the State-of-Charge in All-Iron Aqueous Redox Flow Batteries. Journal of the Electrochemical Society, 2018, 165, A3164-A3168.	1.3	8
54	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

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55	Modification of polypropylene fibres with cationic polypropylene dispersion for improved dyeability. <i>Coloration Technology</i> , 2018, 134, 400-407.	0.7	3
56	Conductive layers through electroless deposition of copper on woven cellulose lyocell fabrics. <i>Surface and Coatings Technology</i> , 2018, 348, 13-21.	2.2	38
57	Green reducing agents for indigo dyeing on cotton fabrics. <i>Journal of Cleaner Production</i> , 2018, 197, 106-113.	4.6	68
58	Controlled Surface Modification of Polyamide 6.6 Fibres Using CaCl <sub>2</sub> /H <sub>2</sub> O/EtOH Solutions. <i>Polymers</i> , 2018, 10, 207.	2.0	18
59	Analysis of the Fibroin Solution State in Calcium Chloride/Water/Ethanol for Improved Understanding of the Regeneration Process. <i>Fibres and Textiles in Eastern Europe</i> , 2018, 26, 43-50.	0.2	5
60	Effects of functional shirts with different fiber compositions on thermoregulation in well-trained runners. <i>Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology</i> , 2017, 231, 75-82.	0.4	1
61	In-situ deposition of Cu <sub>2</sub> O micro-needles for biologically active textiles and their release properties. <i>Carbohydrate Polymers</i> , 2017, 165, 255-265.	5.1	81
62	Surface modification of textile material through deposition of regenerated silk fibroin. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45098.	1.3	11
63	Cathodic decolourisation of reactive dyes in model effluents released from textile dyeing. <i>Journal of Cleaner Production</i> , 2017, 142, 1397-1405.	4.6	36
64	A novel silver-containing absorbent wound dressing based on spacer fabric. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6786-6793.	2.9	20
65	Alkali pretreatments and crosslinking of lyocell fabrics. <i>Cellulose</i> , 2017, 24, 3991-4002.	2.4	8
66	Analysis of moisture sorption in lyocell-polypropylene composites. <i>Cellulose</i> , 2017, 24, 1837-1847.	2.4	9
67	New Three-Dimensional Porous Electrode Concept: Vertically-Aligned Carbon Nanotubes Directly Grown on Embroidered Copper Structures. <i>Nanomaterials</i> , 2017, 7, 438.	1.9	9
68	2-Azidoimidazolium Ions Captured by N-Heterocyclic Carbenes: Azole-Substituted Triazatrimethine Cyanines. <i>Crystals</i> , 2016, 6, 40.	1.0	5
69	Metal mordanting in dyeing with natural colourants. <i>Coloration Technology</i> , 2016, 132, 107-113.	0.7	56
70	Sorption behavior of reactive dyed labelled fibroin on fibrous substrates. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	4
71	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. <i>Textile Research Journal</i> , 2016, 86, 191-201.	1.1	4
72	X-ray micro tomography of three-dimensional embroidered current collectors for lithium-ion batteries. <i>Journal of Power Sources</i> , 2016, 306, 826-831.	4.0	8

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73	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
74	Printing of reactive silicones for surface modification of textile material. Journal of Applied Polymer Science, 2015, 132, .	1.3	5
75	Copper(oxide) microparticles â€“ synthesis and antimicrobial finishing of textiles. Journal of Materials Chemistry B, 2015, 3, 5886-5892.	2.9	18
76	Caregiverâ€™s vision of bedding textiles for elderly. Fashion and Textiles, 2015, 2, .	1.3	3
77	Cotton fabrics with UV blocking properties through metal salts deposition. Applied Surface Science, 2015, 357, 1878-1889.	3.1	103
78	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
79	Production scale plasma modification of polypropylene baselayer for improved water management properties. Journal of Applied Polymer Science, 2015, 132, .	1.3	11
80	Aqueous thiocyanateâ€“urea solution as a powerful non-alkaline swelling agent for cellulose fibres. Carbohydrate Polymers, 2015, 116, 124-130.	5.1	9
81	Sodium metabisulfite in blue jeans: an unexpected cause of textile contact dermatitis. Contact Dermatitis, 2014, 70, 190-192.	0.8	18
82	Microclimate in ski boots â€“ Temperature, relative humidity, and water absorption. Applied Ergonomics, 2014, 45, 515-520.	1.7	18
83	Direct carbamation of cellulose fiber sheets. Cellulose, 2014, 21, 627-640.	2.4	5
84	One-sided surface modification of cellulose fabric by printing a modified TEMPO-mediated oxidant. Carbohydrate Polymers, 2014, 106, 142-147.	5.1	8
85	Copper(I)oxide surface modified cellulose fibersâ€“Synthesis, characterization and antimicrobial properties. Surface and Coatings Technology, 2014, 254, 344-351.	2.2	82
86	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
87	High current density 3D electrodes manufactured by technical embroidery. Journal of Solid State Electrochemistry, 2013, 17, 2303-2309.	1.2	6
88	Sorption of iron(III)â€“alginate complexes on cellulose fibres. Cellulose, 2013, 20, 2481-2490.	2.4	8
89	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
90	All-cellulose composites from woven fabrics. Composites Science and Technology, 2013, 78, 30-40.	3.8	6

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91	Ion-interactions as driving force in polysaccharide assembly. Carbohydrate Polymers, 2013, 93, 316-323.	5.1	30
92	Assessment of moisture management performance of multilayer compression bandages. Textile Reseach Journal, 2013, 83, 871-880.	1.1	10
93	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
94	Moisture management properties of ski-boot liner materials. Textile Reseach Journal, 2012, 82, 99-107.	1.1	12
95	Washâ€“dry cycle induced changes in lowâ€“ordered parts of regenerated cellulosic fibers. Journal of Applied Polymer Science, 2012, 126, E397.	1.3	16
96	Ca <sup>2+</sup> sorption on regenerated cellulose fibres. Carbohydrate Polymers, 2012, 90, 937-942.	5.1	14
97	Copper inclusion in cellulose using sodium d-gluconate complexes. Carbohydrate Polymers, 2012, 90, 1345-1352.	5.1	31
98	Polysaccharide Fibres in Textiles. , 2012, , 187-214.		0
99	Steam Processing of Regenerated Cellulose Fabric in Concentrated LiCl/Urea Solutions. Macromolecular Materials and Engineering, 2012, 297, 540-549.	1.7	7
100	Investigation of the spinnability of cellulose/alkaline ferric tartrate solutions. Carbohydrate Polymers, 2012, 87, 195-201.	5.1	5
101	Sorption of anionic polysaccharides by cellulose. Carbohydrate Polymers, 2012, 87, 695-700.	5.1	12
102	Analysis of crystallinity changes in cellulose II polymers using carbohydrate-binding modules. Carbohydrate Polymers, 2012, 89, 213-221.	5.1	23
103	Production of a concentrated natural dye from Canadian Goldenrod ( <i>Solidago canadensis</i> ) extracts. Dyes and Pigments, 2012, 93, 1416-1421.	2.0	46
104	Aluminium based dye lakes from plant extracts for textile coloration. Dyes and Pigments, 2012, 94, 533-540.	2.0	42
105	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
106	Temperature, relative humidity and water absorption in ski boots. Procedia Engineering, 2011, 13, 44-50.	1.2	9
107	What Does LiOH Treatment Offer for Lyocell Fibers? Investigation of Structural Changes. Industrial & Engineering Chemistry Research, 2011, 50, 9087-9094.	1.8	4
108	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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109	Surface activation of dyed fabric for cellulase treatment. <i>Biotechnology Journal</i> , 2011, 6, 1280-1285.	1.8	14
110	Indirect cathodic reduction of dispersed indigo by 1,2-dihydroxy-9,10-anthraquinone-3-sulphonate (Alizarin Red S). <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 1875-1884.	1.2	8
111	The influence of alkali pretreatments in lyocell resin finishing – Changes in fiber accessibility to crosslinker and catalyst. <i>Carbohydrate Polymers</i> , 2011, 86, 612-620.	5.1	9
112	pH Dependent redox behaviour of Alizarin Red S (1,2-dihydroxy-9,10-anthraquinone-3-sulfonate) – Cyclic voltammetry in presence of dispersed vat dye. <i>Dyes and Pigments</i> , 2011, 91, 324-331.	2.0	39
113	Alkali treatment of cellulose II fibres and effect on dye sorption. <i>Carbohydrate Polymers</i> , 2011, 84, 299-307.	5.1	52
114	Indirect cathodic reduction of dispersed CI Vat Blue 1 (indigo) by dihydroxy-9,10-anthraquinones in cyclic voltammetry experiments. <i>Journal of Electroanalytical Chemistry</i> , 2011, 654, 29-37.	1.9	8
115	Electrochemical characteristics and dyeing properties of selected 9,10-anthraquinones as mediators for the indirect cathodic reduction of dyes. <i>Dyes and Pigments</i> , 2010, 87, 194-203.	2.0	24
116	Swelling and dissolution mechanism of regenerated cellulosic fibers in aqueous alkaline solution containing ferric-tartaric acid complex – Part II: Modal fibers. <i>Carbohydrate Polymers</i> , 2010, 82, 1068-1073.	5.1	7
117	Functionalisation of cellulosic substrates by a facile solventless method of introducing carbamate groups. <i>Carbohydrate Polymers</i> , 2010, 82, 1191-1197.	5.1	30
118	Attenuated total reflectance Fourier-transform Infrared spectroscopy analysis of crystallinity changes in lyocell following continuous treatment with sodium hydroxide. <i>Cellulose</i> , 2010, 17, 103-115.	2.4	214
119	Swelling and dissolution mechanism of lyocell fiber in aqueous alkaline solution containing ferric tartaric acid complex. <i>Cellulose</i> , 2010, 17, 521-532.	2.4	11
120	Nonalkali swelling solutions for regenerated cellulose. <i>Cellulose</i> , 2010, 17, 913-922.	2.4	10
121	NaOH/urea aqueous solutions improving properties of regenerated cellulosic fabrics. <i>Journal of Applied Polymer Science</i> , 2010, 115, 2865-2874.	1.3	5
122	Alkali pretreatment and resin finishing of lyocell: Effect of sodium hydroxide pretreatments. <i>Journal of Applied Polymer Science</i> , 2010, 115, 2898-2910.	1.3	5
123	Swelling and dissolution mechanism of regenerated cellulosic fibers in aqueous alkaline solution containing ferric tartaric acid complex: Part I. Viscose fibers. <i>Carbohydrate Polymers</i> , 2010, 82, 761-767.	5.1	14
124	Changes in the Inter- and Intra-Fibrillar Structure of Lyocell (TENCEL®) Fibers after KOH Treatment. <i>Macromolecular Symposia</i> , 2010, 294, 24-37.	0.4	12
125	Alkali treatments of lyocell in continuous processes. I. Effects of temperature and alkali concentration on the treatments of plain woven fabrics. <i>Journal of Applied Polymer Science</i> , 2009, 113, 3646-3655.	1.3	12
126	The reduction of dispersed indigo by cathodically formed 1,2,4-trihydroxynaphthalene. <i>Dyes and Pigments</i> , 2009, 83, 21-30.	2.0	17



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127	Model calculations to optimise multi-cathode flow through electrolyzers: direct cathodic reduction of C.I. Sulphur Black 1. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 1963-1973.	1.5	5
128	CI Reactive Black 5 dye as a visible crosslinker to improve physical properties of lyocell fabrics. <i>Cellulose</i> , 2009, 16, 27-35.	2.4	12
129	Influence of ligand type and solution pH on heavy metal ion complexation in cellulosic fibre: model calculations and experimental results. <i>Cellulose</i> , 2009, 16, 53-63.	2.4	14
130	Changes in the intra- and inter-fibrillar structure of lyocell (TENCELÂ®) fibers caused by NaOH treatment. <i>Cellulose</i> , 2009, 16, 37-52.	2.4	62
131	Effect of alkali pre-treatment on hydrolysis of regenerated cellulose fibers (part 1: viscose) by cellulases. <i>Cellulose</i> , 2009, 16, 1057-1068.	2.4	13
132	The development of indigo reduction methods and pre-reduced indigo products. <i>Coloration Technology</i> , 2009, 125, 193-207.	0.7	92
133	Natural dyeing of wool and hair with indigo carmine (C.I. Natural Blue 2), a renewable resource based blue dye. <i>Journal of Cleaner Production</i> , 2009, 17, 1487-1493.	4.6	77
134	Electrochemical reduction in vat dyeing: greener chemistry replaces traditional processes. <i>Journal of Cleaner Production</i> , 2009, 17, 1669-1679.	4.6	48
135	Sorption of alkaline earth metal ions Ca <sup>2+</sup> and Mg <sup>2+</sup> on lyocell fibres. <i>Carbohydrate Polymers</i> , 2009, 76, 123-128.	5.1	16
136	Splitting tendency of cellulosic fibers. Part 3: splitting tendency of viscose and modal fibers. <i>Cellulose</i> , 2008, 15, 101-109.	2.4	15
137	Advantages of a two-step enzymatic process for cotton-polyester blends. <i>Biotechnology Letters</i> , 2008, 30, 455-459.	1.1	11
138	Pilling in cellulosic fabrics, Part 2: A study on kinetics of pilling in alkali-treated lyocell fabrics. <i>Journal of Applied Polymer Science</i> , 2008, 109, 3696-3703.	1.3	13
139	Pilling in man-made cellulosic fabrics, part 1: Assessment of pilling formation methods. <i>Journal of Applied Polymer Science</i> , 2008, 110, 531-538.	1.3	5
140	Pilot-scale electrolyser for the cathodic reduction of oxidised C.I. Sulphur Black 1. <i>Dyes and Pigments</i> , 2008, 77, 502-509.	2.0	4
141	Characterization of cellulosic fibers and fabrics by sorption/desorption. <i>Carbohydrate Research</i> , 2008, 343, 2194-2199.	1.1	55
142	Dyeing behaviour of hydrogenated indigo in electrochemically reduced dyebaths. <i>Coloration Technology</i> , 2008, 124, 324-330.	0.7	12
143	Treatment in Swelling Solutions Modifying Cellulose Fiber Reactivity – Part 2: Accessibility and Reactivity. <i>Macromolecular Symposia</i> , 2008, 262, 50-64.	0.4	19
144	Development of a Fast and Reliable Method for the Assessment of Microbial Colonization and Growth on Textiles by DNA Quantification. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2008, 14, 193-200.	1.0	16

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145	Efficient processing of raw material defines the ecological position of natural dyes in textile production. <i>International Journal of Environment and Waste Management</i> , 2008, 2, 215.	0.2	17
146	Treatment in Swelling Solutions Modifying Cellulose Fiber Reactivity – Part 1: Accessibility and Sorption. <i>Macromolecular Symposia</i> , 2008, 262, 39-49.	0.4	20
147	A new method to visualize and characterize the pore structure of TENCEL® (Lyocell) and other man-made cellulosic fibres using a fluorescent dye molecular probe. <i>Journal of Applied Polymer Science</i> , 2007, 106, 2083-2091.	1.3	37
148	Anthocyanin dyes extracted from grape pomace for the purpose of textile dyeing. <i>Journal of the Science of Food and Agriculture</i> , 2007, 87, 2589-2595.	1.7	57
149	Reuse of ash-tree ( <i>Fraxinus excelsior</i> L.) bark as natural dyes for textile dyeing: process conditions and process stability. <i>Coloration Technology</i> , 2007, 123, 271-279.	0.7	50
150	Electrochemical reduction of CI sulphur black 1 – correlation between electrochemical parameters and colour depth in exhaust dyeing. <i>Journal of Applied Electrochemistry</i> , 2007, 38, 25-30.	1.5	10
151	Spun-dyed lyocell. <i>Dyes and Pigments</i> , 2007, 74, 519-524.	2.0	20
152	Electrochemical decolourisation of dispersed indigo on boron-doped diamond anodes. <i>Diamond and Related Materials</i> , 2006, 15, 1513-1519.	1.8	33
153	Iron-complexes of bis(2-hydroxyethyl)-amino-compounds as mediators for the indirect reduction of dispersed vat dyes – Cyclic voltammetry and spectroelectrochemical experiments. <i>Journal of Electroanalytical Chemistry</i> , 2006, 591, 118-126.	1.9	24
154	Splitting tendency of cellulosic fibers – Part 1. The effect of shear force on mechanical stability of swollen lyocell fibers. <i>Cellulose</i> , 2006, 13, 393-402.	2.4	23
155	Splitting tendency of cellulosic fibers. Part 2: Effects of fiber swelling in alkali solutions. <i>Cellulose</i> , 2006, 13, 403-409.	2.4	17
156	Sorption studies on regenerated cellulosic fibers in salt-alkali mixtures. <i>Cellulose</i> , 2006, 13, 647-654.	2.4	17
157	On-site formation of hypochlorite for indigo oxidation – Scale-up and full scale operation of an electrolyser for denim bleach processes. <i>Journal of Applied Electrochemistry</i> , 2006, 36, 287-293.	1.5	17
158	Alkaline treatment of cotton in different reagent mixtures with reduced water content. I. Influence of alkali type and additives. <i>Journal of Applied Polymer Science</i> , 2006, 99, 2848-2855.	1.3	5
159	The influence of alkali pretreatments in lyocell resin finishing – Resin distribution and mechanical properties. <i>Journal of Applied Polymer Science</i> , 2006, 100, 3596-3601.	1.3	15
160	Fibrillation tendency of cellulosic fibers. VII. Combined effects of treatments with an alkali, crosslinking agent, and reactive dye. <i>Journal of Applied Polymer Science</i> , 2006, 100, 1176-1183.	1.3	9
161	Fibrillation tendency of cellulosic fibers, part 6: Effects of treatments with additive polymers. <i>Journal of Applied Polymer Science</i> , 2006, 101, 4140-4147.	1.3	8
162	Alkaline treatment of cotton in different reagent mixtures with reduced water content. II. Influence of finishing procedure. <i>Journal of Applied Polymer Science</i> , 2006, 101, 1194-1201.	1.3	3

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163	Extraction of natural dyes for textile dyeing from coloured plant wastes released from the food and beverage industry. <i>Journal of the Science of Food and Agriculture</i> , 2006, 86, 233-242.	1.7	122
164	Nachwachsend = nachhaltig? Eine Analyse am Beispiel pflanzlicher Textilfärbung. <i>Gaia</i> , 2006, 15, 44-53.	0.3	3
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