

Karin Stana-Kleinschek

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

180
papers

4,147
citations

35
h-index

50
g-index

196
ext. papers

4,824
ext. citations

4.7
avg, IF

5.5
L-index

#	Paper	IF	Citations
180	One-Step Fabrication of Hollow Spherical Cellulose Beads: Application in pH-Responsive Therapeutic Delivery.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	3
179	Polysaccharide peptide conjugates: Chemistry, properties and applications.. <i>Carbohydrate Polymers</i> , 2022 , 280, 118875	10.3	3
178	Organic acid cross-linked 3D printed cellulose nanocomposite bioscaffolds with controlled porosity, mechanical strength, and biocompatibility.. <i>IScience</i> , 2022 , 25, 104263	6.1	4
177	Anticoagulant Activity of Cellulose Nanocrystals from Isora Plant Fibers Assembled on Cellulose and SiO Substrates via a Layer-by-Layer Approach. <i>Polymers</i> , 2021 , 13,	4.5	5
176	Hybrid 3D Printing of Advanced Hydrogel-Based Wound Dressings with Tailorable Properties. <i>Pharmaceutics</i> , 2021 , 13,	6.4	11
175	Alkaline membrane fuel cells: anion exchange membranes and fuels. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 604-637	5.8	40
174	Protein repellent anti-coagulative mixed-charged cellulose derivative coatings. <i>Carbohydrate Polymers</i> , 2021 , 254, 117437	10.3	3
173	Influence of Charge and Heat on the Mechanical Properties of Scaffolds from Ionic Complexation of Chitosan and Carboxymethyl Cellulose. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 3618-3632	5.5	5
172	Water-based carbodiimide mediated synthesis of polysaccharide-amino acid conjugates: Deprotection, charge and structural analysis. <i>Carbohydrate Polymers</i> , 2021 , 267, 118226	10.3	6
171	High oxygen barrier chitosan films neutralized by alkaline nanoparticles. <i>Cellulose</i> , 2021 , 28, 10457	5.5	2
170	Defluorination of Polytetrafluoroethylene Surface by Hydrogen Plasma. <i>Polymers</i> , 2020 , 12,	4.5	2
169	Comparison of Trimethylsilyl Cellulose-Stabilized Carbonate and Hydroxide Nanoparticles for Deacidification and Strengthening of Cellulose-Based Cultural Heritage. <i>ACS Omega</i> , 2020 , 5, 29243-29258	3.9	6
168	Needleless electrospun carboxymethyl cellulose/polyethylene oxide mats with medicinal plant extracts for advanced wound care applications. <i>Cellulose</i> , 2020 , 27, 4487-4508	5.5	23
167	Generic Method for Designing Self-Standing and Dual Porous 3D Bioscaffolds from Cellulosic Nanomaterials for Tissue Engineering Applications.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 1197-1209	4.1	23
166	Design of stable and new polysaccharide nanoparticles composite and their interaction with solid cellulose surfaces. <i>Nano Structures Nano Objects</i> , 2020 , 24, 100564	5.6	6
165	Processing and functional assessment of anisotropic cellulose nanofibril/Alolt/sodium silicate: based aerogels as flame retardant thermal insulators. <i>Cellulose</i> , 2020 , 27, 1661-1683	5.5	11
164	Polysaccharide-Based Bioink Formulation for 3D Bioprinting of an In Vitro Model of the Human Dermis. <i>Nanomaterials</i> , 2020 , 10,	5.4	31

163	Chemical Structure-Antioxidant Activity Relationship of Water-Based Enzymatic Polymerized Rutin and Its Wound Healing Potential. <i>Polymers</i> , 2019 , 11,	4.5	9
162	Development of multifunctional 3D printed bioscaffolds from polysaccharides and NiCu nanoparticles and their application. <i>Applied Surface Science</i> , 2019 , 488, 836-852	6.7	19
161	Functional dextran amino acid ester particles derived from N-protected S-trityl-L-cysteine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 181, 561-566	6	3
160	Impact of growth factors on wound healing in polysaccharide blend thin films. <i>Applied Surface Science</i> , 2019 , 489, 485-493	6.7	8
159	Nano- and Micropatterned Polycaprolactone Cellulose Composite Surfaces with Tunable Protein Adsorption, Fibrin Clot Formation, and Endothelial Cellular Response. <i>Biomacromolecules</i> , 2019 , 20, 2327-2337 ¹³	6.9	13
158	Polysaccharide Thin Solid Films for Analgesic Drug Delivery and Growth of Human Skin Cells. <i>Frontiers in Chemistry</i> , 2019 , 7, 217	5	13
157	Fabrication of cellulose acetate/chitosan blend films as efficient adsorbent for anionic water pollutants. <i>Polymer Bulletin</i> , 2019 , 76, 1557-1571	2.4	27
156	Aspects of structural order in 209Bi-containing particles for potential MRI contrast agents based on quadrupole enhanced relaxation. <i>Molecular Physics</i> , 2019 , 117, 935-943	1.7	2
155	Affinity of Serum Albumin and Fibrinogen to Cellulose, Its Hydrophobic Derivatives and Blends. <i>Frontiers in Chemistry</i> , 2019 , 7, 581	5	4
154	Plant-Derived Medicines with Potential Use in Wound Treatment 2019 ,		6
153	A green approach to obtain stable and hydrophilic cellulose-based electrospun nanofibrous substrates for sustained release of therapeutic molecules.. <i>RSC Advances</i> , 2019 , 9, 21288-21301	3.7	12
152	Surface Properties of Non-conventional Cellulose Fibres. <i>Springer Briefs in Molecular Science</i> , 2019 ,	0.6	3
151	Structure and Properties of Non-conventional Cellulose Fibres. <i>Springer Briefs in Molecular Science</i> , 2019 , 49-59	0.6	
150	Novel Chitosan/Mg(OH) ₂ -Based Nanocomposite Membranes for Direct Alkaline Ethanol Fuel Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 19356-19368	8.3	15
149	Systematic Evaluation of a Diclofenac-Loaded Carboxymethyl Cellulose-Based Wound Dressing and Its Release Performance with Changing pH and Temperature. <i>AAPS PharmSciTech</i> , 2019 , 20, 29	3.9	14
148	Bioactive Polysaccharide Materials for Modern Wound Healing. <i>Springer Briefs in Molecular Science</i> , 2018 ,	0.6	3
147	Emerging Techniques in the Preparation of Wound Care Products. <i>Springer Briefs in Molecular Science</i> , 2018 , 25-38	0.6	1
146	Advanced Wound Care. <i>Springer Briefs in Molecular Science</i> , 2018 , 1-8	0.6	1

145	Active Substances for Acceleration of Wound Healing. <i>Springer Briefs in Molecular Science</i> , 2018 , 39-59	0.6	
144	Combining 3D printing and electrospinning for preparation of pain-relieving wound-dressing materials. <i>Journal of Sol-Gel Science and Technology</i> , 2018 , 88, 33-48	2.3	49
143	3D bioprinting of polysaccharides and their derivatives: From characterization to application 2018 , 105-141		12
142	Safety and Efficiency Testing. <i>Springer Briefs in Molecular Science</i> , 2018 , 87-94	0.6	
141	Other Solutions to Achieve Desired Wound Healing Characteristics. <i>Springer Briefs in Molecular Science</i> , 2018 , 61-73	0.6	
140	Modification of cellulose thin films with lysine moieties: a promising approach to achieve antifouling performance. <i>Cellulose</i> , 2018 , 25, 537-547	5.5	6
139	Effect of different surface active polysaccharide derivatives on the formation of ethyl cellulose particles by the emulsion-solvent evaporation method. <i>Cellulose</i> , 2018 , 25, 6901-6922	5.5	17
138	A multifunctional electrospun and dual nano-carrier biobased system for simultaneous detection of pH in the wound bed and controlled release of benzocaine. <i>Cellulose</i> , 2018 , 25, 7277-7297	5.5	27
137	Strengthening of paper by treatment with a suspension of alkaline nanoparticles stabilized by trimethylsilyl cellulose. <i>Nano Structures Nano Objects</i> , 2018 , 16, 363-370	5.6	11
136	Chitin nanowhisker - Inspired electrospun PVDF membrane for enhanced oil-water separation. <i>Journal of Environmental Management</i> , 2018 , 228, 249-259	7.9	33
135	Recent developments in surface science and engineering, thin films, nanoscience, biomaterials, plasma science, and vacuum technology. <i>Thin Solid Films</i> , 2018 , 660, 120-160	2.2	16
134	Bio-nanofibrous mats as potential delivering systems of natural substances. <i>Textile Research Journal</i> , 2017 , 87, 444-459	1.7	15
133	Environmentally friendly procedure for in-situ coating of regenerated cellulose fibres with silver nanoparticles. <i>Carbohydrate Polymers</i> , 2017 , 163, 92-100	10.3	25
132	Interaction of Tissue Engineering Substrates with Serum Proteins and Its Influence on Human Primary Endothelial Cells. <i>Biomacromolecules</i> , 2017 , 18, 413-421	6.9	23
131	Surface engineering of TiO ₂ -MWCNT nanocomposites towards tuning of functionalities and minimizing toxicity. <i>Journal of Sol-Gel Science and Technology</i> , 2017 , 83, 132-142	2.3	7
130	Protein-repellent and antimicrobial nanoparticle coatings from hyaluronic acid and a lysine-derived biocompatible surfactant. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 3888-3897	7.3	23
129	Reactive Maleimido Dextran Thin Films for Cysteine-Containing Surfaces Adsorbing BSA. <i>Macromolecular Chemistry and Physics</i> , 2017 , 218, 1600535	2.6	2
128	Synthesis and film formation of furfuryl- and maleimido carbonic acid derivatives of dextran. <i>Carbohydrate Polymers</i> , 2017 , 161, 1-9	10.3	7

127	Nanofibrous polysaccharide hydroxyapatite composites with biocompatibility against human osteoblasts. <i>Carbohydrate Polymers</i> , 2017 , 177, 388-396	10.3	16
126	Layering of different materials to achieve optimal conditions for treatment of painful wounds. <i>International Journal of Pharmaceutics</i> , 2017 , 529, 576-588	6.5	31
125	Multilayered Polysaccharide Nanofilms for Controlled Delivery of Pentoxifylline and Possible Treatment of Chronic Venous Ulceration. <i>Biomacromolecules</i> , 2017 , 18, 2732-2746	6.9	16
124	One-Step Noncovalent Surface Functionalization of PDMS with Chitosan-Based Bioparticles and Their Protein-Repellent Properties. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700416	4.6	14
123	Polyurethanes for Medical Use. <i>Tekstilec</i> , 2017 , 60, 182-197	2.1	9
122	Exploring Nonspecific Protein Adsorption on Lignocellulosic Amphiphilic Bicomponent Films. <i>Biomacromolecules</i> , 2016 , 17, 1083-92	6.9	23
121	Electrospun nanofibrous CMC/PEO as a part of an effective pain-relieving wound dressing. <i>Journal of Sol-Gel Science and Technology</i> , 2016 , 79, 475-486	2.3	35
120	Tuning of cellulose fibres structure and surface topography: Influence of swelling and various drying procedures. <i>Carbohydrate Polymers</i> , 2016 , 148, 227-35	10.3	15
119	Reactive cellulose-based thin films as a concept for multifunctional polysaccharide surfaces. <i>RSC Advances</i> , 2016 , 6, 72378-72385	3.7	4
118	Application of extremely non-equilibrium plasmas in the processing of nano and biomedical materials. <i>Plasma Sources Science and Technology</i> , 2015 , 24, 015026	3.5	31
117	Cellulose based thin films as a platform for drug release studies to mimick wound dressing materials. <i>Cellulose</i> , 2015 , 22, 749-761	5.5	42
116	Designing Hydrophobically Modified Polysaccharide Derivatives for Highly Efficient Enzyme Immobilization. <i>Biomacromolecules</i> , 2015 , 16, 2403-11	6.9	34
115	Covalent Binding of Heparin to Functionalized PET Materials for Improved Haemocompatibility. <i>Materials</i> , 2015 , 8, 1526-1544	3.5	22
114	Surface-Sensitive Approach to Interpreting Supramolecular Rearrangements in Cellulose by Synchrotron Grazing Incidence Small-Angle X-ray Scattering. <i>ACS Macro Letters</i> , 2015 , 4, 713-716	6.6	30
113	A review of herbal medicines in wound healing. <i>International Journal of Dermatology</i> , 2015 , 54, 740-51	1.7	71
112	Selective immobilization and detection of DNA on biopolymer supports for the design of microarrays. <i>Biosensors and Bioelectronics</i> , 2015 , 68, 437-441	11.8	14
111	Advanced therapies of skin injuries. <i>Wiener Klinische Wochenschrift</i> , 2015 , 127 Suppl 5, S187-98	2.3	23
110	Functional wound dressing materials with highly tunable drug release properties. <i>RSC Advances</i> , 2015 , 5, 77873-77884	3.7	73

109	Antifouling coating of cellulose acetate thin films with polysaccharide multilayers. <i>Carbohydrate Polymers</i> , 2015 , 116, 149-58	10.3	47
108	Film formation of aminoalkylcellulose carbamates--a quartz crystal microbalance (QCM) study. <i>Carbohydrate Polymers</i> , 2015 , 116, 111-6	10.3	8
107	Gold nanoparticles in the engineering of antibacterial and anticoagulant surfaces. <i>Carbohydrate Polymers</i> , 2015 , 117, 34-42	10.3	35
106	Cellulose thin films from ionic liquid solutions. <i>Nordic Pulp and Paper Research Journal</i> , 2015 , 30, 6-13	1.1	10
105	The Role of TiO ₂ Nanoparticles on the UV Protection Ability and Hydrophilicity of Polyamide Fabrics. <i>Acta Physica Polonica A</i> , 2015 , 127, 943-946	0.6	9
104	Ammonia plasma treatment as a method promoting simultaneous hydrophilicity and antimicrobial activity of viscose wound dressings. <i>Textile Reseach Journal</i> , 2014 , 84, 140-156	1.7	10
103	Recent advances in vacuum sciences and applications. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 153003		25
102	Oxygen-rich coating promotes binding of proteins and endothelialization of polyethylene terephthalate polymers. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 2305-14	5.4	14
101	Triggering protein adsorption on tailored cationic cellulose surfaces. <i>Biomacromolecules</i> , 2014 , 15, 3931-41	4.1	40
100	Preparation of PDMS ultrathin films and patterned surface modification with cellulose. <i>RSC Advances</i> , 2014 , 4, 11955-11961	3.7	36
99	Interaction and enrichment of protein on cationic polysaccharide surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 123, 533-41	6	14
98	Design of anticoagulant surfaces based on cellulose nanocrystals. <i>Chemical Communications</i> , 2014 , 50, 13070-2	5.8	32
97	A study on the interaction of cationized chitosan with cellulose surfaces. <i>Cellulose</i> , 2014 , 21, 2315-2325	5.5	20
96	Etching of Blood Proteins in the Early and Late Flowing Afterglow of Oxygen Plasma. <i>Plasma Processes and Polymers</i> , 2014 , 11, 12-23	3.4	22
95	Effects of nanoTiO ₂ BiO ₂ on the hydrophilicity/dyeability of polyester fabric and photostability of disperse dyes under UV irradiation. <i>Surface and Coatings Technology</i> , 2014 , 253, 185-193	4.4	18
94	Novel cellulose based materials for safe and efficient wound treatment. <i>Carbohydrate Polymers</i> , 2014 , 100, 55-64	10.3	48
93	Morphology Transformations of Platelets on Plasma Activated Surfaces. <i>Plasma Processes and Polymers</i> , 2014 , 11, 596-605	3.4	12
92	Modification of cellulose non-woven substrates for preparation of modern wound dressings. <i>Textile Reseach Journal</i> , 2014 , 84, 96-112	1.7	21

91	Etching rates of blood proteins, blood plasma and polymer in oxygen afterglow of microwave plasma. <i>Surface and Interface Analysis</i> , 2014 , 46, 1115-1118	1.5	2
90	The effects of storage gases on the durability of ammonia plasma effects with respect to wound fluid absorption and the biostatic activity of viscose non-wovens. <i>Textile Research Journal</i> , 2014 , 84, 751-763	1.7	3
89	Utilization of optical polarization microscopy in the study of sorption characteristics of wound dressing host materials. <i>Microscopy and Microanalysis</i> , 2014 , 20, 561-5	0.5	1
88	Enzymatic digestion of partially and fully regenerated cellulose model films from trimethylsilyl cellulose. <i>Carbohydrate Polymers</i> , 2013 , 93, 191-8	10.3	36
87	Comparison study of TEMPO and phthalimide-N-oxyl (PINO) radicals on oxidation efficiency toward cellulose. <i>Carbohydrate Polymers</i> , 2013 , 91, 502-7	10.3	30
86	Chemical modification and characterization of poly(ethylene terephthalate) surfaces for collagen immobilization. <i>Open Chemistry</i> , 2013 , 11, 1786-1798	1.6	6
85	Cationically rendered biopolymer surfaces for high protein affinity support matrices. <i>Chemical Communications</i> , 2013 , 49, 11530-2	5.8	24
84	Protein adsorption on various plasma-treated polyethylene terephthalate substrates. <i>Molecules</i> , 2013 , 18, 12441-63	4.8	36
83	Use of polysaccharide based surfactants to stabilize organically modified clay particles aqueous dispersion. <i>Carbohydrate Polymers</i> , 2013 , 94, 687-94	10.3	10
82	Interactions of a cationic cellulose derivative with an ultrathin cellulose support. <i>Carbohydrate Polymers</i> , 2013 , 92, 1046-53	10.3	26
81	Design of simultaneous antimicrobial and anticoagulant surfaces based on nanoparticles and polysaccharides. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 2022-2030	7.3	30
80	Viscoelastic properties of fibrinogen adsorbed onto poly(ethylene terephthalate) surfaces by QCM-D. <i>Carbohydrate Polymers</i> , 2013 , 93, 246-55	10.3	25
79	Characterization of nano-sized TiO ₂ suspensions for functional modification of polyester fabric. <i>Surface and Coatings Technology</i> , 2013 , 226, 68-74	4.4	25
78	Oxidized cellulose--survey of the most recent achievements. <i>Carbohydrate Polymers</i> , 2013 , 93, 207-15	10.3	116
77	The study of plasma modification effects in viscose used as an absorbent for wound-relevant fluids. <i>Carbohydrate Polymers</i> , 2013 , 97, 143-51	10.3	22
76	Immobilization of Water-Soluble 6-Carboxylcellulose on Poly(ethylene terephthalate) Films Monitored by a Quartz Crystal Microbalance with Dissipation. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 7439-7444	3.9	3
75	Generalized indirect Fourier transformation as a valuable tool for the structural characterization of aqueous nanocrystalline cellulose suspensions by small angle X-ray scattering. <i>Langmuir</i> , 2013 , 29, 3740-4	4	18
74	Fusion of binding domains to Thermobifida cellulolytica cutinase to tune sorption characteristics and enhancing PET hydrolysis. <i>Biomacromolecules</i> , 2013 , 14, 1769-76	6.9	102

73	Chitosan-silane sol-gel hybrid thin films with controllable layer thickness and morphology. <i>Carbohydrate Polymers</i> , 2013 , 93, 285-90	10.3	45
72	Interaction and structure in polyelectrolyte/clay multilayers: a QCM-D study. <i>Langmuir</i> , 2013 , 29, 8544-53	5.1	14
71	Functional Patterning of Biopolymer Thin Films Using Enzymes and Lithographic Methods. <i>Advanced Functional Materials</i> , 2013 , 23, 308-315	15.6	49
70	Physicochemical Properties and Bioactivity of a Novel Class of Cellulosics: 6-Deoxy-6-amino Cellulose Sulfate. <i>Macromolecular Chemistry and Physics</i> , 2012 , 213, 539-548	2.6	14
69	Characterisation of surface properties of chemical and plasma treated regenerated cellulose fabric. <i>Textile Research Journal</i> , 2012 , 82, 2078-2089	1.7	25
68	In vitro haemocompatibility evaluation of PET surfaces using the quartz crystal microbalance technique. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012 , 23, 697-714	3.5	15
67	Creating water vapor barrier coatings from hydrophilic components. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 3199-206	9.5	34
66	Functional polysaccharide conjugates for the preparation of microarrays. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 2743-51	9.5	24
65	Adsorption of carboxymethyl cellulose on polymer surfaces: evidence of a specific interaction with cellulose. <i>Langmuir</i> , 2012 , 28, 11440-7	4	71
64	Characterization of viscose fibers modified with 6-deoxy-6-amino cellulose sulfate. <i>Cellulose</i> , 2012 , 19, 2057-2067	5.5	8
63	Antithrombotic properties of sulfated wood-derived galactoglucomannans. <i>Holzforschung</i> , 2012 , 66,	2	16
62	Interaction between model poly(ethylene terephthalate) thin films and weakly ionised oxygen plasma. <i>Surface and Interface Analysis</i> , 2012 , 44, 56-61	1.5	29
61	Etching of polyethylene terephthalate thin films by neutral oxygen atoms in the late flowing afterglow of oxygen plasma. <i>Surface and Interface Analysis</i> , 2012 , 44, 1565-1571	1.5	31
60	Charging Behavior and Stability of the Novel Amino Group Containing Cellulose Ester Cellulose-4-[N-methylamino]butyrate Hydrochloride. <i>Macromolecular Chemistry and Physics</i> , 2012 , 213, 1669-1676	2.6	9
59	Investigations Into Amphiphilic Chitosan: Properties and Availability of Original and Newly Introduced Functional Groups. <i>Macromolecular Chemistry and Physics</i> , 2012 , 213, 1582-1589	2.6	6
58	Exploring the rearrangement of amorphous cellulose model thin films upon heat treatment. <i>Soft Matter</i> , 2012 , 8, 9807	3.6	69
57	Functional Polysaccharide Composite Nanoparticles from Cellulose Acetate and Potential Applications. <i>Advanced Functional Materials</i> , 2012 , 22, 1749-1758	15.6	55
56	Synthesis of magnetic iron oxide particles: Development of an in situ coating procedure for fibrous materials. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 400, 58-66	5.1	15

55	Watching cellulose grow [Kinetic investigations on cellulose thin film formation at the gas/solid interface using a quartz crystal microbalance with dissipation (QCM-D). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 400, 67-72	5.1	34
54	Cellulose and Other Polysaccharides Surface Properties and Their Characterisation 2012 , 215-251		3
53	Adsorption of Laponite on a Cellulose Model Surface. <i>Macromolecular Symposia</i> , 2012 , 311, 28-32	0.8	5
52	Morphology of polysaccharide blend fibers shaped from NaOH, N-methylmorpholine-N-oxide and 1-ethyl-3-methylimidazolium acetate. <i>Cellulose</i> , 2011 , 18, 1165-1178	5.5	24
51	Deposition of silicon doped and pure hydrogenated amorphous carbon coatings on quartz crystal microbalance sensors for protein adsorption studies. <i>Thin Solid Films</i> , 2011 , 520, 83-89	2.2	5
50	Protonation behavior of 6-deoxy-6-(2-aminoethyl)amino cellulose: a potentiometric titration study. <i>Cellulose</i> , 2011 , 18, 33-43	5.5	33
49	Semi-synthetic polysaccharide sulfates as anticoagulant coatings for PET, 1--cellulose sulfate. <i>Macromolecular Bioscience</i> , 2011 , 11, 549-56	5.5	27
48	Challenges and opportunities in polysaccharides research and technology: The EPNOE views for the next decade in the areas of materials, food and health care. <i>Carbohydrate Polymers</i> , 2011 , 84, 22-32	10.3	114
47	Wettability and surface composition of partly and fully regenerated cellulose thin films from trimethylsilyl cellulose. <i>Journal of Colloid and Interface Science</i> , 2011 , 358, 604-10	9.3	86
46	Improvement of the hemocompatibility of PET surfaces using different sulphated polysaccharides as coating materials. <i>Biomacromolecules</i> , 2010 , 11, 377-81	6.9	42
45	Organoclay particles as reinforcing agents in polysaccharide films. <i>Journal of Colloid and Interface Science</i> , 2010 , 347, 74-8	9.3	14
44	Adsorption of human serum albumin (HSA) on modified PET films monitored by QCM-D, XPS and AFM. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010 , 360, 210-219	5.1	22
43	Electrokinetic properties of polypropylene-layered silicate nanocomposite fibers. <i>Journal of Applied Polymer Science</i> , 2009 , 113, 1276-1281	2.9	4
42	Analysis of galactoglucomannans from spruce wood by capillary electrophoresis. <i>Cellulose</i> , 2009 , 16, 1089-1097	5.5	10
41	Plasma modification of viscose textile. <i>Vacuum</i> , 2009 , 84, 79-82	3.7	34
40	Protonation behavior of cotton fabric with irreversibly adsorbed chitosan: A potentiometric titration study. <i>Carbohydrate Polymers</i> , 2009 , 78, 36-40	10.3	47
39	Adsorption of fucoidan and chitosan sulfate on chitosan modified PET films monitored by QCM-D. <i>Biomacromolecules</i> , 2009 , 10, 630-7	6.9	26
38	Oscillating streaming potential measurement system for macroscopic surfaces. <i>Review of Scientific Instruments</i> , 2008 , 79, 113902	1.7	10

37	Adsorption of chitosan on PET films monitored by quartz crystal microbalance. <i>Biomacromolecules</i> , 2008 , 9, 2207-14	6.9	25
36	Tribological interactions between DLC coatings and lubricants. <i>TriboTest Journal: Tribology and Lubrication in Practice</i> , 2008 , 14, 81-95		1
35	Topochemical modification of cotton fibres with carboxymethyl cellulose. <i>Cellulose</i> , 2008 , 15, 315-321	5.5	25
34	Carboxyl groups in pre-treated regenerated cellulose fibres. <i>Cellulose</i> , 2008 , 15, 681-690	5.5	22
33	Influence of surface energy on the interactions between hard coatings and lubricants. <i>Wear</i> , 2007 , 262, 1199-1204	3.5	19
32	Flame retardant activity of SiO ₂ -coated regenerated cellulose fibres. <i>Polymer Degradation and Stability</i> , 2007 , 92, 1957-1965	4.7	95
31	Adsorption of Surfactants on Polymer Surfaces Investigated with a Novel Zeta-Potential Measurement System. <i>Materials Science Forum</i> , 2006 , 514-516, 1374-1378	0.4	3
30	Influence of Enzymatic Pretreatment on the Colours of Bleached and Dyed Flax Fibres. <i>Journal of Natural Fibers</i> , 2006 , 3, 69-81	1.8	8
29	Sorption Properties of Flax Fibers Depending on Pretreatment Processes and their Environmental Impact. <i>Textile Reseach Journal</i> , 2006 , 76, 448-454	1.7	44
28	Electrokinetic Investigations of Oriented Cellulose Polymers. <i>Macromolecular Symposia</i> , 2006 , 244, 31-47	0.8	23
27	Surface Properties Of Lubricants And Hard Coatings As Predictors Of Frictional Behaviour Under Boundary Lubrication. <i>Materials Research Innovations</i> , 2006 , 10, 284-298	1.9	6
26	Electrokinetic properties of commercial vascular grafts. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006 , 275, 17-26	5.1	11
25	The effect of adsorbed carboxymethyl cellulose on the cotton fibre adsorption capacity for surfactant. <i>Cellulose</i> , 2006 , 13, 655-663	5.5	23
24	The Interaction Ability Of Cellulosic Materials As A Function Of Fine Structure And Helmholtz Surface Energy. <i>Materials Research Innovations</i> , 2005 , 9, 17-18	1.9	2
23	Determination Of The Accessible Carboxyl And Amino End Groups In Structurally Modified PA 6 Using Titration Methods. <i>Materials Research Innovations</i> , 2005 , 9, 8-9	1.9	
22	Electrokinetic investigation of polyelectrolyte adsorption and multilayer formation on a polymer surface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005 , 270-271, 107-114	5.1	17
21	Measurements of Zeta Potential of Poly(Tetrafluoroethylene) Foils. <i>Materials Science Forum</i> , 2005 , 480-481, 89-94	0.4	2
20	Flax Fibers Sorption Properties Influenced by Different Pretreatment Processes. <i>Journal of Natural Fibers</i> , 2005 , 2, 25-37	1.8	8

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13	Surface Properties of Structural Modified PA 6 Fibers. <i>Macromolecular Materials and Engineering</i> , 2002 , 287, 296	3.9	5
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