Jian Zhou

List of Publications by Year in Descending Order

137 papers	3,101 citations	30 h-index	50 g-index
144 ext. papers	3,978 ext. citations	6.9 avg, IF	5.71 L-index

#	Paper	IF	Citations
137	Potential of phenolic compounds in Ligustrum robustum (Rxob.) Blume as antioxidant and lipase inhibitors: Multi-spectroscopic methods and molecular docking.. *Journal of Food Science*, **2022**, 87, 651-663	3.4	0
136	Preparation of high solid content oxidized starch by acid pretreatment-HO oxidation and its performance as the ligand in zirconium tanning.. *Carbohydrate Research*, **2022**, 511, 108501	2.9	0
135	High-expression and characterization of a novel serine protease from Ornithinibacillus caprae L9 with eco-friendly applications.. *Environmental Science and Pollution Research*, **2022**, 1	5.1	1
134	Green synthesis of environmentally benign collagen fibers-derived hierarchically structured amphiphilic composite fibers for high-flux dual separation of emulsion. *Journal of Environmental Chemical Engineering*, **2022**, 10, 107067	6.8	0
133	Chrome-free synergistic tanning system based on biomass-derived hydroxycarboxylic acid□irconium complexes. *Journal of Cleaner Production*, **2022**, 336, 130428	10.3	1
132	Natural polyphenol-based nanoengineering of collagen-constructed hemoperfusion adsorbent for the excretion of heavy metals.. *Journal of Hazardous Materials*, **2022**, 428, 128145	12.8	2
131	Hydrous titanium oxide and bayberry tannin co-immobilized nano collagen fibrils for uranium extraction from seawater and recovery from nuclear wastewater. *Chemosphere*, **2022**, 286, 131626	8.4	4
130	Collagen fiber membrane as multi-functional support enabled rational design of ultrahigh-flux separation membrane for the remediation of oil contamination in water.. *Journal of Hazardous Materials*, **2022**, 432, 128649	12.8	1
129	Polyethyleneimine/hydrated titanium oxide-functionalized fibrous adsorbent for removing cobalt: Adsorption performance and irradiation stability.. *Environmental Research*, **2022**, 112916	7.9	1
128	Effects of tannic acid on the transport behavior of trivalent chromium in soils and its mechanism.. *Environmental Pollution*, **2022**, 305, 119328	9.3	0
127	Green and sustainable 'Al-Zr-oligosaccharides' tanning agents from the simultaneous depolymerization and oxidation of waste paper.. *Science of the Total Environment*, **2022**, 837, 155570	10.2	0
126	Insights into the mechanism of flavor compound changes in strong flavor baijiu during storage by using the density functional theory and molecular dynamics simulation. *Food Chemistry*, **2021**, 131522	8.5	1
125	Interface assembly of specific recognition gripper wrapping on activated collagen fiber for synergistic capture effect of iodine. *Colloids and Surfaces B: Biointerfaces*, **2021**, 210, 112216	6	0
124	Hydrothermal synthesis of honey/bayberry microsphere for uranium removal from aqueous solution. *Journal of Radioanalytical and Nuclear Chemistry*, **2021**, 330, 1271	1.5	1
123	Oxidation of trivalent chromium induced by unsaturated oils: A pathway for hexavalent chromium formation in soil. *Journal of Hazardous Materials*, **2021**, 405, 124699	12.8	12
122	Irradiation-stable hydrous titanium oxide-immobilized collagen fibers for uranium removal from radioactive wastewater. *Journal of Environmental Management*, **2021**, 283, 112001	7.9	10
121	Insights into Regional Wetting Behaviors of Amphiphilic Collagen for Dual Separation of Emulsions. *ACS Applied Materials & Interfaces*, **2021**, 13, 18209-18217	9.5	3

120	Life Cycle Assessment for Chrome Tanning, Chrome-Free Metal Tanning, and Metal-Free Tanning Systems. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 6720-6731	8.3	6
119	Collagen fiber membrane-derived chemically and mechanically durable superhydrophobic membrane for high-performance emulsion separation. *Journal of Leather Science and Engineering*, **2021**, 3,	3.6	11
118	Selective degradation and oxidation of hemicellulose in corncob to oligosaccharides: From biomass into masking agent for sustainable leather tanning. *Journal of Hazardous Materials*, **2021**, 413, 125425	12.8	12
117	Sustainable production of lignin micro-/nano-particles (LMNPs) from biomass: Influence of the type of biomass on their self-assembly capability and physicochemical properties. *Journal of Hazardous Materials*, **2021**, 403, 123701	12.8	12
116	Conversion of tannery solid waste to an adsorbent for high-efficiency dye removal from tannery wastewater: A road to circular utilization. *Chemosphere*, **2021**, 263, 127987	8.4	18
115	Tanning agent free leather making enabled by the dispersity of collagen fibers combined with superhydrophobic coating. *Green Chemistry*, **2021**, 23, 3581-3587	10	5
114	Synthesis of Au/lignin–tannin particles and their anticancer application. *Green Chemistry*, **2021**, 23, 6945-6952	10	3
113	On the development of chrome-free tanning agents: an advanced Trojan horse strategy using Al(III)-oligosaccharides produced by the depolymerization and oxidation of biomass. *Green Chemistry*, **2021**, 23, 2640-2651	10	9
112	Advanced masking agent for leather tanning from stepwise degradation and oxidation of cellulose. *Green Chemistry*, **2021**, 23, 4044-4050	10	8
111	Leather-like hierarchical porous composites with outstanding electromagnetic interference shielding effectiveness and durability. *Composites Part B: Engineering*, **2021**, 225, 109272	10	1
110	Engineered liver-inspired collagen matrix as a high-performance hemoperfusion adsorbent for bilirubin removal. *Chemical Engineering Journal*, **2021**, 426, 130791	14.7	2
109	Collagen Fiber-based Advanced Separation Materials: Recent Developments and Future Perspectives. *Advanced Materials*, **2021**, e2107891	24	4
108	Adsorption of Lead (II) from Aqueous Solution with High Efficiency by Hydrothermal Biochar Derived from Honey. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	4
107	Ultradurable Superhydrophobic Natural Rubber-Based Elastomer Enabled by Modified Multiscale Leather Collagen Fibers. *Advanced Materials Interfaces*, **2020**, 7, 2000344	4.6	4
106	Lightweight and Wearable X-Ray Shielding Material with Biological Structure for Low Secondary Radiation and Metabolic Saving Performance. *Advanced Materials Technologies*, **2020**, 5, 2000240	6.8	7
105	Research on X-ray shielding performance of wearable Bi/Ce-natural leather composite materials. *Journal of Hazardous Materials*, **2020**, 398, 122943	12.8	14
104	Natural Rubber-Based Elastomer Reinforced by Chemically Modified Multiscale Leather Collagen Fibers with Excellent Toughness. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 5091-5099	8.3	11
103	Ecotoxicity and interacting mechanism of anionic surfactant sodium dodecyl sulfate (SDS) and its mixtures with nonionic surfactant fatty alcohol-polyoxyethlene ether (AEO). *Aquatic Toxicology*, **2020**, 222, 105467	5.1	10

102	Effects of dispersion and fixation of collagen fiber network on its flame retardancy. *Polymer Degradation and Stability*, **2020**, 175, 109122	4.7	8
101	Ornithinibacillus caprae sp. nov., a moderate halophile isolated from the hides of a white goat. *Archives of Microbiology*, **2020**, 202, 1469-1476	3	3
100	Effect of soil pH on the transport, fractionation, and oxidation of chromium(III). *Ecotoxicology and Environmental Safety*, **2020**, 195, 110459	7	34
99	A collagen-based electrolyte-locked separator enables capacitor to have high safety and ionic conductivity. *Journal of Energy Chemistry*, **2020**, 47, 324-332	12	13
98	Synthesis of Catechin-Rare Earth Complex with Efficient and Broad-Spectrum Anti-Biofilm Activity. *Chemistry and Biodiversity*, **2020**, 17, e1900734	2.5	4
97	Nonswelling Silica–Poly(acrylic acid) Composite for Efficient and Simultaneous Removal of Cationic Dye, Heavy Metal, and Surfactant-Stabilized Emulsion from Wastewater. *Industrial & Engineering Chemistry Research*, **2020**, 59, 3383-3393	3.9	16
96	Constructing a robust chrome-free leather tanned by biomass-derived polyaldehyde via crosslinking with chitosan derivatives. *Journal of Hazardous Materials*, **2020**, 396, 122771	12.8	27
95	Formaldehyde formation during the preparation of dialdehyde carboxymethyl cellulose tanning agent. *Carbohydrate Polymers*, **2020**, 239, 116217	10.3	17
94	Interaction between retanning agents and wet white tanned by a novel bimetal complex tanning agent. *Journal of Leather Science and Engineering*, **2020**, 2,	3.6	10
93	Effects of collagen fiber addition on the combustion and thermal stability of natural rubber. *Journal of Leather Science and Engineering*, **2020**, 2,	3.6	2
92	Mixed factors affecting plantar pressures and center of pressure in obese children: Obesity and flatfoot. *Gait and Posture*, **2020**, 80, 7-13	2.6	7
91	Collagen fibers with tuned wetting properties for dual separation of oil-in-water and water-in-oil emulsion. *Journal of Materials Chemistry A*, **2020**, 8, 24388-24392	13	7
90	sp. nov., a moderately halophilic bacterium isolated from wetsalted hides. *International Journal of Systematic and Evolutionary Microbiology*, **2020**, 70, 5417-5424	2.2	2
89	Uranium biosorption mechanism model of protonated Saccharomyces cerevisiae. *Journal of Hazardous Materials*, **2020**, 385, 121588	12.8	30
88	A "Trojan horse strategy" for the development of a renewable leather tanning agent produced via an AlCl3-catalyzed cellulose depolymerization. *Green Chemistry*, **2020**, 22, 316-321	10	15
87	Formation and in situ separation of oligomeric products from complete depolymerization of pubescens using a catalyst-free biphasic system. *Cellulose*, **2020**, 27, 1951-1964	5.5	6
86	Nano-zero-valent Fe/Ni particles loaded on collagen fibers immobilized by bayberry tannin as an effective reductant for uranyl in aqueous solutions. *Applied Surface Science*, **2020**, 507, 145075	6.7	22
85	Lightweight and Flexible Bi@Bi-La Natural Leather Composites with Superb X-ray Radiation Shielding Performance and Low Secondary Radiation. *ACS Applied Materials & Interfaces*, **2020**, 12, 54117-54126	9.5	8

84	Collagen Peptide Provides with Robust Stress Tolerance for Enhanced Bioethanol Production. *ACS Applied Materials & Interfaces*, **2020**,	9.5	2
83	Immobilization of Ytterbium by Plant Polyphenols for Antibiofilm Materials with Highly Effective Activity and Long-Term Stability. *Industrial & Engineering Chemistry Research*, **2020**, 59, 18558-18566	3.9	0
82	Synergistic Combination of the Capillary Effect of Collagen Fibers and Size-Sieving Merits of Metal□Organic Frameworks for Emulsion Separation with High Flux. *Industrial & Engineering Chemistry Research*, **2020**, 59, 14925-14934	3.9	8
81	Description of Salinicola corii sp. nov., a Halotolerant Bacterium Isolated from Wetsalted Hides. *Current Microbiology*, **2020**, 77, 1932-1938	2.4	1
80	Highly efficient removal of Cr(III)-poly(acrylic acid) complex by coprecipitation with polyvalent metal ions: Performance, mechanism, and validation. *Water Research*, **2020**, 178, 115807	12.5	24
79	Advanced X-ray Shielding Materials Enabled by the Coordination of Well-Dispersed High Atomic Number Elements in Natural Leather. *ACS Applied Materials & Interfaces*, **2020**, 12, 19916-19926	9.5	15
78	Prevention of Bacterial Colonization Based on Self-Assembled Metal-Phenolic Nanocoating from Rare-Earth Ions and Catechin. *ACS Applied Materials & Interfaces*, **2020**, 12, 22237-22245	9.5	7
77	Collagen-based breathable, humidity-ultrastable and degradable on-skin device. *Journal of Materials Chemistry C*, **2019**, 7, 2548-2556	7.1	14
76	High-expression keratinase by Bacillus subtilis SCK6 for enzymatic dehairing of goatskins. *International Journal of Biological Macromolecules*, **2019**, 135, 119-126	7.9	16
75	Ultrafast and efficient removal of anionic dyes from wastewater by polyethyleneimine-modified silica nanoparticles. *Chemosphere*, **2019**, 229, 570-579	8.4	30
74	Self-Assembly: Targeted Therapy against Metastatic Melanoma Based on Self-Assembled Metal-Phenolic Nanocomplexes Comprised of Green Tea Catechin (Adv. Sci. 5/2019). *Advanced Science*, **2019**, 6, 1970028	13.6	2
73	Metal-Phenolic Nanoparticles: Self-Assembled Metal-Phenolic Nanoparticles for Enhanced Synergistic Combination Therapy against Colon Cancer (Adv. Biosys. 2/2019). *Advanced Biology*, **2019**, 3, 1970022	3.5	1
72	Peroxide-periodate co-modification of carboxymethylcellulose to prepare polysaccharide-based tanning agent with high solid content. *Carbohydrate Polymers*, **2019**, 224, 115169	10.3	20
71	Radionuclide tolerance mechanism of plants for ultraselective enrichment of low content of thorium with exceptional selectivity coefficient. *Journal of Hazardous Materials*, **2019**, 380, 120893	12.8	1
70	Efficient separation of viscous emulsion through amphiprotic collagen nanofibers-based membrane. *Journal of Membrane Science*, **2019**, 588, 117209	9.6	14
69	Ecotoxicity and micellization behavior of anionic surfactant sodium dodecylbenzene sulfonate (SDBS) and its mixtures with nonionic surfactant fatty alcohol-polyoxyethylene ether (AEO). *Aquatic Toxicology*, **2019**, 216, 105313	5.1	10
68	Enhanced extracellular recombinant keratinase activity in SCK6 through signal peptide optimization and site-directed mutagenesis.. *RSC Advances*, **2019**, 9, 33337-33344	3.7	6
67	Leather enabled multifunctional thermal camouflage armor. *Chemical Engineering Science*, **2019**, 196, 64-71	4.4	13

66	Engineering robust metal-phenolic network membranes for uranium extraction from seawater. *Energy and Environmental Science*, **2019**, 12, 607-614	35.4	151
65	Self-Assembled Metal-Phenolic Nanoparticles for Enhanced Synergistic Combination Therapy against Colon Cancer. *Advanced Biology*, **2019**, 3, e1800241	3.5	19
64	Targeted Therapy against Metastatic Melanoma Based on Self-Assembled Metal-Phenolic Nanocomplexes Comprised of Green Tea Catechin. *Advanced Science*, **2019**, 6, 1801688	13.6	71
63	Close-packing of hierarchically structured C@Sn@C nanofibers for high-performance Li-ion battery with large gravimetric and volumetric energy densities. *Chemical Engineering Journal*, **2018**, 344, 625-632	14.7	16
62	Corrosion inhibition performance of tannins for mild steel in hydrochloric acid solution. *Research on Chemical Intermediates*, **2018**, 44, 407-423	2.8	14
61	Bayberry tannin immobilized bovine serum albumin nanospheres: characterization, irradiation stability and selective removal of uranyl ions from radioactive wastewater. *Journal of Materials Chemistry A*, **2018**, 6, 15359-15370	13	50
60	Polyphenolic-Chemistry-Enabled, Mechanically Robust, Flame Resistant and Superhydrophobic Membrane for Separation of Mixed Surfactant-Stabilized Emulsions. *Chemistry - A European Journal*, **2018**, 24, 10953-10958	4.8	5
59	Competitive adsorption for simultaneous removal of emulsified water and surfactants from mixed surfactant-stabilized emulsions with high flux. *Journal of Materials Chemistry A*, **2018**, 6, 14058-14064	13	14
58	Microbial Community of Tannery Wastewater Involved in Nitrification Revealed by Illumina MiSeq Sequencing. *Journal of Microbiology and Biotechnology*, **2018**, 28, 1168-1177	3.3	10
57	Durable superhydrophobic materials enabled by abrasion-triggered roughness regeneration. *Chemical Engineering Journal*, **2018**, 336, 633-639	14.7	29
56	Immobilization of Saccharomyces cerevisiae using polyethyleneimine grafted collagen fibre as support and investigations of its fermentation performance. *Biotechnology and Biotechnological Equipment*, **2018**, 32, 109-115	1.6	11
55	Konjac Glucomannan Derived Carbon Aerogels for Multifunctional Applications. *Nano*, **2018**, 13, 1850113	1.1	5
54	Preparation of a Highly Effective Organic Tanning Agent with Wide Molecular Weight Distribution from Bio-Renewable Sodium Alginate. *ChemistrySelect*, **2018**, 3, 12330-12335	1.8	13
53	Plant Polyphenols as Multifunctional Platforms To Fabricate Three-Dimensional Superhydrophobic Foams for Oil/Water and Emulsion Separation. *Industrial & Engineering Chemistry Research*, **2018**, 57, 16442-16450	3.9	14
52	Effect of structure features of polysaccharides on properties of dialdehyde polysaccharide tanning agent. *Carbohydrate Polymers*, **2018**, 201, 549-556	10.3	32
51	Synthesis, Characterization, and Optical Performance of a Novel Fluorescent Waterborne Polyurethane. *Advances in Polymer Technology*, **2017**, 36, 137-144	1.9	4
50	A low-cost and water resistant biomass adhesive derived from the hydrolysate of leather waste. *RSC Advances*, **2017**, 7, 4024-4029	3.7	10
49	Preparation of polyurea microcapsules containing phase change materials in a rotating packed bed. *RSC Advances*, **2017**, 7, 21196-21204	3.7	16

48	Preparation of highly-oxidized starch using hydrogen peroxide and its application as a novel ligand for zirconium tanning of leather. *Carbohydrate Polymers*, **2017**, 174, 823-829	10.3	49
47	Preparation of oxidized sodium alginate with different molecular weights and its application for crosslinking collagen fiber. *Carbohydrate Polymers*, **2017**, 157, 1650-1656	10.3	74
46	A facile synthesis of a highly stable superhydrophobic nanofibrous film for effective oil/water separation. *RSC Advances*, **2016**, 6, 82352-82358	3.7	8
45	Hierarchically structured C@SnO2@C nanofiber bundles with high stability and effective ambipolar diffusion kinetics for high-performance Li-ion batteries. *Journal of Materials Chemistry A*, **2016**, 4, 18783-18791	10.3	34
44	Natural collagen fiber-enabled facile synthesis of carbon@Fe3O4 core–shell nanofiber bundles and their application as ultrahigh-rate anode materials for Li-ion batteries. *RSC Advances*, **2016**, 6, 10824-10830	3.7	16
43	Lightweight and high-performance electromagnetic radiation shielding composites based on a surface coating of Cu@Ag nanoflakes on a leather matrix. *Journal of Materials Chemistry C*, **2016**, 4, 914-920	7.1	35
42	Effect of ultrasonic pretreatment on kinetics of gelatin hydrolysis by collagenase and its mechanism. *Ultrasonics Sonochemistry*, **2016**, 29, 495-501	8.9	28
41	Novel environmentally sustainable cardanol-based plasticizers: synthesis and properties. *Polymer International*, **2016**, 65, 464-472	3.3	15
40	Ferromagnetic hierarchical carbon nanofiber bundles derived from natural collagen fibers: truly lightweight and high-performance microwave absorption materials. *Journal of Materials Chemistry C*, **2015**, 3, 10146-10153	7.1	63
39	Novel environmentally sustainable cardanol-based plasticizer covalently bound to PVC via click chemistry: synthesis and properties. *RSC Advances*, **2015**, 5, 16980-16985	3.7	48
38	Effect of ultrasound on the activity and conformation of α-amylase, papain and pepsin. *Ultrasonics Sonochemistry*, **2014**, 21, 930-6	8.9	79
37	Facile synthesis of mesoporous sulfated Ce/TiO2 nanofiber solid superacid with nanocrystalline frameworks by using collagen fibers as a biotemplate and its application in esterification. *RSC Advances*, **2014**, 4, 4010-4019	3.7	29
36	Pd nanoparticles immobilized on boehmite by using tannic acid as structure-directing agent and stabilizer: a high performance catalyst for hydrogenation of olefins. *Research on Chemical Intermediates*, **2014**, 40, 249-258	2.8	8
35	Asymmetric polyurethane membrane with inflammation-responsive antibacterial activity for potential wound dressing application. *Journal of Materials Science*, **2013**, 48, 6625-6639	4.3	24
34	Adsorption Chromatography Separation of Baicalein and Baicalin Using Collagen Fiber Adsorbent. *Industrial & Engineering Chemistry Research*, **2013**, 52, 2425-2433	3.9	10
33	Recyclable plant tannin-chelated Rh(III) complex catalysts for aqueous–organic biphasic hydrogenation of quinoline. *Journal of Chemical Technology and Biotechnology*, **2012**, 87, 1104-1110	3.5	2
32	Preparation of highly active and reusable heterogeneous Al2O3–Pd catalysts by the sol–gel method using bayberry tannin as stabilizer. *Research on Chemical Intermediates*, **2012**, 38, 1609-1618	2.8	4
31	One-step seeding growth of controllable Ag@Ni core–shell nanoparticles on skin collagen fiber with introduction of plant tannin and their application in high-performance microwave absorption. *Journal of Materials Chemistry*, **2012**, 22, 11933		117

30	Skin Collagen Fiber-Biotemplated Synthesis of Size-Tunable Silver Nanoparticle-Embedded Hierarchical Intertextures with Lightweight and Highly Efficient Microwave Absorption Properties. *Journal of Physical Chemistry C*, **2012**, 116, 8188-8195	3.8	40
29	Molecular level understanding of the role of aldehyde in vegetable-aldehyde–collagen cross-linking reaction. *International Journal of Quantum Chemistry*, **2012**, 112, 2832-2839	2.1	3
28	Microbial community structure of pit mud in a Chinese strong aromatic liquor fermentation pit. *Journal of the Institute of Brewing*, **2012**, 118, 356-360	2	33
27	Polyphenol-grafted collagen fiber as reductant and stabilizer for one-step synthesis of size-controlled gold nanoparticles and their catalytic application to 4-nitrophenol reduction. *Green Chemistry*, **2011**, 13, 651	10	146
26	One-step room-temperature synthesis of Au@Pd core–shell nanoparticles with tunable structure using plant tannin as reductant and stabilizer. *Green Chemistry*, **2011**, 13, 950	10	91
25	Synthesis of highly active and reusable supported gold nanoparticles and their catalytic applications to 4-nitrophenol reduction. *Green Chemistry*, **2011**, 13, 2801	10	87
24	Modification of collagen with a natural cross-linker, procyanidin. *International Journal of Biological Macromolecules*, **2011**, 48, 354-9	7.9	220
23	Skin collagen fiber-based radar absorbing materials. *Science Bulletin*, **2011**, 56, 202-208		5
22	One-step in situassembly of size-controlled silver nanoparticles on polyphenol-grafted collagen fiber with enhanced antibacterial properties. *New Journal of Chemistry*, **2011**, 35, 2902	3.6	25
21	SIMULTANEOUS DETERMINATION OF CAFFEINE AND CATECHINS IN TEA EXTRACTS BY HPLC. *Journal of Liquid Chromatography and Related Technologies*, **2010**, 33, 491-498	1.3	10
20	One-step, size-controlled synthesis of gold nanoparticles at room temperature using plant tannin. *Green Chemistry*, **2010**, 12, 395-399	10	178
19	Thermal sensitive polyurethane membranes with desirable switch temperatures. *Macromolecular Research*, **2010**, 18, 1053-1059	1.9	5
18	Thermosensitive polyurethane film and finished leather with controllable water vapor permeability. *Journal of Applied Polymer Science*, **2010**, 117, NA-NA	2.9	2
17	Separation of Proanthocyanidins into Oligomeric and Polymeric Components Using a Novel Collagen Fiber Adsorbent. *Journal of Liquid Chromatography and Related Technologies*, **2009**, 32, 1901-1913	1.2	1
16	Highly stable Pt nanoparticle catalyst supported by polyphenol-grafted collagen fiber and its catalytic application in the hydrogenation of olefins. *Journal of Chemical Technology and Biotechnology*, **2009**, 84, 1702-1711	3.5	16
15	Recovery of Th(IV) from aqueous solution by reassembled collagen-tannin fiber adsorbent. *Journal of Radioanalytical and Nuclear Chemistry*, **2009**, 280, 91-98	1.5	14
14	Pd(0) Nanoparticle Stabilized by Tannin-grafted SiO2 Beads and Its Application in Liquid-hydrogenation of Unsaturated Organic Compounds. *Catalysis Letters*, **2009**, 133, 192-200	2.8	11
13	Thermo-sensitive polyurethane membrane with controllable water vapor permeation for food packaging. *Macromolecular Research*, **2009**, 17, 528-532	1.9	22

12	Synthesis of hierarchical mesoporous zirconia fiber by using collagen fiber as a template. *Journal of Materials Research*, **2008**, 23, 3263-3268	2.5	11
11	Adsorption of metal anions of vanadium(V) and chromium(VI) on Zr(IV)-impregnated collagen fiber. *Adsorption*, **2008**, 14, 55-64	2.6	74
10	Water vapor permeability of the polyurethane/TiO2 nanohybrid membrane with temperature sensitivity. *Journal of Applied Polymer Science*, **2008**, 109, 3002-3007	2.9	23
9	Adsorption of bismuth(III) by bayberry tannin immobilized on collagen fiber. *Journal of Chemical Technology and Biotechnology*, **2006**, 81, 1301-1306	3.5	11
8	Adsorption Behavior of Phosphate on Metal-Ions-Loaded Collagen Fiber. *Industrial & Engineering Chemistry Research*, **2006**, 45, 3896-3901	3.9	63
7	Adsorption Behaviors of Pt(II) and Pd(II) on Collagen Fiber Immobilized Bayberry Tannin. *Industrial & Engineering Chemistry Research*, **2005**, 44, 4221-4226	3.9	67
6	Production of ellagic acid from degradation of valonea tannins by Aspergillus niger and Candida utilis. *Journal of Chemical Technology and Biotechnology*, **2005**, 80, 1154-1159	3.5	35
5	Selective removal of tannins from medicinal plant extracts using a collagen fiber adsorbent. *Journal of the Science of Food and Agriculture*, **2005**, 85, 1285-1291	4.3	31
4	Adsorption recovery of thorium(IV) by Myrica rubra tannin and larch tannin immobilized onto collagen fibres. *Journal of Radioanalytical and Nuclear Chemistry*, **2004**, 260, 619-625	1.5	40
3	Adsorption of Cu(II) from aqueous solutions by tannins immobilized on collagen. *Journal of Chemical Technology and Biotechnology*, **2004**, 79, 335-342	3.5	32
2	Collagen fiber immobilized Myrica rubra tannin and its adsorption to UO2(2+). *Environmental Science & Technology*, **2004**, 38, 324-8	10.3	82
1	Selective degradation of hemicellulose into oligosaccharides assisted by ZrOCl2 and their potential application as a tanning agent. *Green Chemistry*,	10	3