

Jian Zhou

List of Publications by Year in descending order

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143
papers

4,789
citations

101543

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all docs

144
docs citations

144
times ranked

5142
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrous titanium oxide and bayberry tannin co-immobilized nano collagen fibrils for uranium extraction from seawater and recovery from nuclear wastewater. <i>Chemosphere</i> , 2022, 286, 131626.	8.2	17
2	Insights into the mechanism of flavor compound changes in strong flavor baijiu during storage by using the density functional theory and molecular dynamics simulation. <i>Food Chemistry</i> , 2022, 373, 131522.	8.2	21
3	Selective degradation of hemicellulose into oligosaccharides assisted by ZrOCl ₂ and their potential application as a tanning agent. <i>Green Chemistry</i> , 2022, 24, 375-383.	9.0	22
4	Exoproduction and Biochemical Characterization of a Novel Serine Protease from <i>Ornithinibacillus caprae</i> L9 ^T with Hide-Dehairing Activity. <i>Journal of Microbiology and Biotechnology</i> , 2022, 32, 99-109.	2.1	1
5	Interface assembly of specific recognition gripper wrapping on activated collagen fiber for synergistic capture effect of iodine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 210, 112216.	5.0	16
6	Green synthesis of environmentally benign collagen fibers-derived hierarchically structured amphiphilic composite fibers for high-flux dual separation of emulsion. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107067.	6.7	6
7	Chrome-free synergistic tanning system based on biomass-derived hydroxycarboxylic acid-zirconium complexes. <i>Journal of Cleaner Production</i> , 2022, 336, 130428.	9.3	24
8	Natural polyphenol-based nanoengineering of collagen-constructed hemoperfusion adsorbent for the excretion of heavy metals. <i>Journal of Hazardous Materials</i> , 2022, 428, 128145.	12.4	10
9	Potential of phenolic compounds in <i>Ligustrum robustum</i> (Roxb.) Blume as antioxidant and lipase inhibitors: Multi-spectroscopic methods and molecular docking. <i>Journal of Food Science</i> , 2022, 87, 651-663.	3.1	12
10	Preparation of high solid content oxidized starch by acid pretreatment-H ₂ O ₂ oxidation and its performance as the ligand in zirconium tanning. <i>Carbohydrate Research</i> , 2022, 511, 108501.	2.3	9
11	High-expression and characterization of a novel serine protease from <i>Ornithinibacillus caprae</i> L9T with eco-friendly applications. <i>Environmental Science and Pollution Research</i> , 2022, 29, 35996-36012.	5.3	4
12	Soft while strong mechanical shock tolerable e-skins. <i>Journal of Materials Chemistry A</i> , 2022, 10, 8186-8194.	10.3	4
13	Collagen Fiber-Based Advanced Separation Materials: Recent Developments and Future Perspectives. <i>Advanced Materials</i> , 2022, 34, e2107891.	21.0	14
14	Effect of Dialdehyde Carboxymethyl Cellulose Cross-Linking on the Porous Structure of the Collagen Matrix. <i>Biomacromolecules</i> , 2022, 23, 1723-1732.	5.4	11
15	Collagen fiber membrane as multi-functional support enabled rational design of ultrahigh-flux separation membrane for the remediation of oil contamination in water. <i>Journal of Hazardous Materials</i> , 2022, 432, 128649.	12.4	13
16	Polyethyleneimine/hydrated titanium oxide-functionalized fibrous adsorbent for removing cobalt: Adsorption performance and irradiation stability. <i>Environmental Research</i> , 2022, 211, 112916.	7.5	10
17	Steam activation tuned porous structure and surface wetting behaviors of mesoporous biochars for corrosive oily wastewater treatments. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 2179-2185.	3.2	1
18	Effects of tannic acid on the transport behavior of trivalent chromium in soils and its mechanism. <i>Environmental Pollution</i> , 2022, 305, 119328.	7.5	6

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19	Tannery solid waste-derived cross-scale deformable piezoresistive sensors for monitoring human body motions. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8199-8205.	5.5	4
20	Green and sustainable Al-Zr-oligosaccharides™ tanning agents from the simultaneous depolymerization and oxidation of waste paper. <i>Science of the Total Environment</i> , 2022, 837, 155570.	8.0	8
21	Self-driven directional dehydration enabled eco-friendly manufacture of chrome-free leather. <i>Journal of Leather Science and Engineering</i> , 2022, 4, .	6.0	6
22	Sustainable production of lignin micro-/nano-particles (LMNPs) from biomass: Influence of the type of biomass on their self-assembly capability and physicochemical properties. <i>Journal of Hazardous Materials</i> , 2021, 403, 123701.	12.4	29
23	Conversion of tannery solid waste to an adsorbent for high-efficiency dye removal from tannery wastewater: A road to circular utilization. <i>Chemosphere</i> , 2021, 263, 127987.	8.2	36
24	Tanning agent free leather making enabled by the dispersity of collagen fibers combined with superhydrophobic coating. <i>Green Chemistry</i> , 2021, 23, 3581-3587.	9.0	18
25	Synthesis of Au/lignin-tannin particles and their anticancer application. <i>Green Chemistry</i> , 2021, 23, 6945-6952.	9.0	11
26	On the development of chrome-free tanning agents: an advanced Trojan horse strategy using Al-Zr-oligosaccharides™ produced by the depolymerization and oxidation of biomass. <i>Green Chemistry</i> , 2021, 23, 2640-2651.	9.0	23
27	Advanced masking agent for leather tanning from stepwise degradation and oxidation of cellulose. <i>Green Chemistry</i> , 2021, 23, 4044-4050.	9.0	32
28	Oxidation of trivalent chromium induced by unsaturated oils: A pathway for hexavalent chromium formation in soil. <i>Journal of Hazardous Materials</i> , 2021, 405, 124699.	12.4	28
29	Irradiation-stable hydrous titanium oxide-immobilized collagen fibers for uranium removal from radioactive wastewater. <i>Journal of Environmental Management</i> , 2021, 283, 112001.	7.8	23
30	Insights into Regional Wetting Behaviors of Amphiphilic Collagen for Dual Separation of Emulsions. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 18209-18217.	8.0	12
31	Life Cycle Assessment for Chrome Tanning, Chrome-Free Metal Tanning, and Metal-Free Tanning Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 6720-6731.	6.7	30
32	Collagen fiber membrane-derived chemically and mechanically durable superhydrophobic membrane for high-performance emulsion separation. <i>Journal of Leather Science and Engineering</i> , 2021, 3, .	6.0	33
33	Selective degradation and oxidation of hemicellulose in corncob to oligosaccharides: From biomass into masking agent for sustainable leather tanning. <i>Journal of Hazardous Materials</i> , 2021, 413, 125425.	12.4	31
34	Leather-like hierarchical porous composites with outstanding electromagnetic interference shielding effectiveness and durability. <i>Composites Part B: Engineering</i> , 2021, 225, 109272.	12.0	12
35	Engineered liver-inspired collagen matrix as a high-performance hemoperfusion adsorbent for bilirubin removal. <i>Chemical Engineering Journal</i> , 2021, 426, 130791.	12.7	8
36	Hydrothermal synthesis of honey/bayberry microsphere for uranium removal from aqueous solution. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 330, 1271.	1.5	1

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37	Uranium biosorption mechanism model of protonated <i>Saccharomyces cerevisiae</i> . <i>Journal of Hazardous Materials</i> , 2020, 385, 121588.	12.4	43
38	A "Trojan horse strategy"™ for the development of a renewable leather tanning agent produced via an AlCl ₃ -catalyzed cellulose depolymerization. <i>Green Chemistry</i> , 2020, 22, 316-321.	9.0	31
39	Formation and in situ separation of oligomeric products from complete depolymerization of <i>pubescens</i> using a catalyst-free biphasic system. <i>Cellulose</i> , 2020, 27, 1951-1964.	4.9	7
40	Nano-zero-valent Fe/Ni particles loaded on collagen fibers immobilized by bayberry tannin as an effective reductant for uranyl in aqueous solutions. <i>Applied Surface Science</i> , 2020, 507, 145075.	6.1	43
41	Lightweight and Flexible Bi@Bi-La Natural Leather Composites with Superb X-ray Radiation Shielding Performance and Low Secondary Radiation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 54117-54126.	8.0	31
42	Collagen Peptide Provides <i>Saccharomyces cerevisiae</i> with Robust Stress Tolerance for Enhanced Bioethanol Production. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 53879-53890.	8.0	17
43	Immobilization of Ytterbium by Plant Polyphenols for Antibiofilm Materials with Highly Effective Activity and Long-Term Stability. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 18558-18566.	3.7	4
44	Synergistic Combination of the Capillary Effect of Collagen Fibers and Size-Sieving Merits of Metal-Organic Frameworks for Emulsion Separation with High Flux. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 14925-14934.	3.7	16
45	Adsorption of Lead (II) from Aqueous Solution with High Efficiency by Hydrothermal Biochar Derived from Honey. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3441.	2.6	15
46	Ultradurable Superhydrophobic Natural Rubber-Based Elastomer Enabled by Modified Multiscale Leather Collagen Fibers. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000344.	3.7	8
47	Lightweight and Wearable X-ray Shielding Material with Biological Structure for Low Secondary Radiation and Metabolic Saving Performance. <i>Advanced Materials Technologies</i> , 2020, 5, 2000240.	5.8	25
48	Research on X-ray shielding performance of wearable Bi/Ce-natural leather composite materials. <i>Journal of Hazardous Materials</i> , 2020, 398, 122943.	12.4	39
49	Natural Rubber-Based Elastomer Reinforced by Chemically Modified Multiscale Leather Collagen Fibers with Excellent Toughness. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 5091-5099.	6.7	36
50	Ecotoxicity and interacting mechanism of anionic surfactant sodium dodecyl sulfate (SDS) and its mixtures with nonionic surfactant fatty alcohol-polyoxyethylene ether (AEO). <i>Aquatic Toxicology</i> , 2020, 222, 105467.	4.0	19
51	Effects of dispersion and fixation of collagen fiber network on its flame retardancy. <i>Polymer Degradation and Stability</i> , 2020, 175, 109122.	5.8	10
52	<i>Ornithinibacillus caprae</i> sp. nov., a moderate halophile isolated from the hides of a white goat. <i>Archives of Microbiology</i> , 2020, 202, 1469-1476.	2.2	10
53	Effect of soil pH on the transport, fractionation, and oxidation of chromium(III). <i>Ecotoxicology and Environmental Safety</i> , 2020, 195, 110459.	6.0	79
54	A collagen-based electrolyte-locked separator enables capacitor to have high safety and ionic conductivity. <i>Journal of Energy Chemistry</i> , 2020, 47, 324-332.	12.9	16

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55	Synthesis of Catechin-Rare Earth Complex with Efficient and Broad-Spectrum Anti-Biofilm Activity. <i>Chemistry and Biodiversity</i> , 2020, 17, e1900734.	2.1	7
56	Nonswelling Silica-Poly(acrylic acid) Composite for Efficient and Simultaneous Removal of Cationic Dye, Heavy Metal, and Surfactant-Stabilized Emulsion from Wastewater. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 3383-3393.	3.7	33
57	Constructing a robust chrome-free leather tanned by biomass-derived polyaldehyde via crosslinking with chitosan derivatives. <i>Journal of Hazardous Materials</i> , 2020, 396, 122771.	12.4	45
58	Formaldehyde formation during the preparation of dialdehyde carboxymethyl cellulose tanning agent. <i>Carbohydrate Polymers</i> , 2020, 239, 116217.	10.2	38
59	Description of <i>Salinicola corii</i> sp. nov., a Halotolerant Bacterium Isolated from Wetsalted Hides. <i>Current Microbiology</i> , 2020, 77, 1932-1938.	2.2	6
60	Highly efficient removal of Cr(III)-poly(acrylic acid) complex by coprecipitation with polyvalent metal ions: Performance, mechanism, and validation. <i>Water Research</i> , 2020, 178, 115807.	11.3	51
61	Advanced X-ray Shielding Materials Enabled by the Coordination of Well-Dispersed High Atomic Number Elements in Natural Leather. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 19916-19926.	8.0	48
62	Prevention of Bacterial Colonization Based on Self-Assembled Metal-Phenolic Nanocoating from Rare-Earth Ions and Catechin. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 22237-22245.	8.0	19
63	Mixed factors affecting plantar pressures and center of pressure in obese children: Obesity and flatfoot. <i>Gait and Posture</i> , 2020, 80, 7-13.	1.4	13
64	Collagen fibers with tuned wetting properties for dual separation of oil-in-water and water-in-oil emulsion. <i>Journal of Materials Chemistry A</i> , 2020, 8, 24388-24392.	10.3	23
65	<i>Halomonas pellis</i> sp. nov., a moderately halophilic bacterium isolated from wetsalted hides. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 5417-5424.	1.7	13
66	Interaction between retanning agents and wet white tanned by a novel bimetal complex tanning agent. <i>Journal of Leather Science and Engineering</i> , 2020, 2, .	6.0	25
67	Effects of collagen fiber addition on the combustion and thermal stability of natural rubber. <i>Journal of Leather Science and Engineering</i> , 2020, 2, .	6.0	7
68	Peroxide-periodate co-modification of carboxymethylcellulose to prepare polysaccharide-based tanning agent with high solid content. <i>Carbohydrate Polymers</i> , 2019, 224, 115169.	10.2	37
69	Radionuclide tolerance mechanism of plants for ultraselective enrichment of low content of thorium with exceptional selectivity coefficient. <i>Journal of Hazardous Materials</i> , 2019, 380, 120893.	12.4	4
70	Efficient separation of viscous emulsion through amphiprotic collagen nanofibers-based membrane. <i>Journal of Membrane Science</i> , 2019, 588, 117209.	8.2	24
71	Ecotoxicity and micellization behavior of anionic surfactant sodium dodecylbenzene sulfonate (SDBS) and its mixtures with nonionic surfactant fatty alcohol-polyoxyethylene ether (AEO). <i>Aquatic Toxicology</i> , 2019, 216, 105313.	4.0	20
72	Collagen-based breathable, humidity-ultrastable and degradable on-skin device. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2548-2556.	5.5	29

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73	High-expression keratinase by <i>Bacillus subtilis</i> SCK6 for enzymatic dehairing of goatskins. <i>International Journal of Biological Macromolecules</i> , 2019, 135, 119-126.	7.5	24
74	Ultrafast and efficient removal of anionic dyes from wastewater by polyethyleneimine-modified silica nanoparticles. <i>Chemosphere</i> , 2019, 229, 570-579.	8.2	59
75	Self-Assembly: Targeted Therapy against Metastatic Melanoma Based on Self-Assembled Metal-Phenolic Nanocomplexes Comprised of Green Tea Catechin (<i>Adv. Sci.</i> 5/2019). <i>Advanced Science</i> , 2019, 6, 1970028.	11.2	2
76	Metal-Phenolic Nanoparticles: Self-Assembled Metal-Phenolic Nanoparticles for Enhanced Synergistic Combination Therapy against Colon Cancer (<i>Adv. Biosys.</i> 2/2019). <i>Advanced Biology</i> , 2019, 3, 1970022.	3.0	1
77	Enhanced extracellular recombinant keratinase activity in <i>Bacillus subtilis</i> SCK6 through signal peptide optimization and site-directed mutagenesis. <i>RSC Advances</i> , 2019, 9, 33337-33344.	3.6	15
78	Leather enabled multifunctional thermal camouflage armor. <i>Chemical Engineering Science</i> , 2019, 196, 64-71.	3.8	29
79	Engineering robust metal-phenolic network membranes for uranium extraction from seawater. <i>Energy and Environmental Science</i> , 2019, 12, 607-614.	30.8	259
80	Self-Assembled Metal-Phenolic Nanoparticles for Enhanced Synergistic Combination Therapy against Colon Cancer. <i>Advanced Biology</i> , 2019, 3, e1800241.	3.0	30
81	Targeted Therapy against Metastatic Melanoma Based on Self-Assembled Metal-Phenolic Nanocomplexes Comprised of Green Tea Catechin. <i>Advanced Science</i> , 2019, 6, 1801688.	11.2	109
82	Close-packing of hierarchically structured C@Sn@C nanofibers for high-performance Li-ion battery with large gravimetric and volumetric energy densities. <i>Chemical Engineering Journal</i> , 2018, 344, 625-632.	12.7	20
83	Corrosion inhibition performance of tannins for mild steel in hydrochloric acid solution. <i>Research on Chemical Intermediates</i> , 2018, 44, 407-423.	2.7	19
84	Durable superhydrophobic materials enabled by abrasion-triggered roughness regeneration. <i>Chemical Engineering Journal</i> , 2018, 336, 633-639.	12.7	39
85	Immobilization of <i>Saccharomyces cerevisiae</i> using polyethyleneimine grafted collagen fibre as support and investigations of its fermentation performance. <i>Biotechnology and Biotechnological Equipment</i> , 2018, 32, 109-115.	1.3	12
86	Konjac Glucomannan Derived Carbon Aerogels for Multifunctional Applications. <i>Nano</i> , 2018, 13, 1850113.	1.0	5
87	Preparation of a Highly Effective Organic Tanning Agent with Wide Molecular Weight Distribution from Bio-Renewable Sodium Alginate. <i>ChemistrySelect</i> , 2018, 3, 12330-12335.	1.5	26
88	Plant Polyphenols as Multifunctional Platforms To Fabricate Three-Dimensional Superhydrophobic Foams for Oil/Water and Emulsion Separation. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 16442-16450.	3.7	24
89	Effect of structure features of polysaccharides on properties of dialdehyde polysaccharide tanning agent. <i>Carbohydrate Polymers</i> , 2018, 201, 549-556.	10.2	49
90	Bayberry tannin immobilized bovine serum albumin nanospheres: characterization, irradiation stability and selective removal of uranyl ions from radioactive wastewater. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15359-15370.	10.3	74

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91	Polyphenolicâ€Chemistryâ€Enabled, Mechanically Robust, Flame Resistant and Superhydrophobic Membrane for Separation of Mixed Surfactantâ€Stabilized Emulsions. Chemistry - A European Journal, 2018, 24, 10953-10958.	3.3	6
92	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.	10.3	22
93	Microbial Community of Tannery Wastewater Involved in Nitrification Revealed by Illumina MiSeq Sequencing. Journal of Microbiology and Biotechnology, 2018, 28, 1168-1177.	2.1	15
94	Synthesis, Characterization, and Optical Performance of a Novel Fluorescent Waterborne Polyurethane. Advances in Polymer Technology, 2017, 36, 137-144.	1.7	4
95	A low-cost and water resistant biomass adhesive derived from the hydrolysate of leather waste. RSC Advances, 2017, 7, 4024-4029.	3.6	23
96	Preparation of polyurea microcapsules containing phase change materials in a rotating packed bed. RSC Advances, 2017, 7, 21196-21204.	3.6	25
97	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.	10.2	74
98	Preparation of oxidized sodium alginate with different molecular weights and its application for crosslinking collagen fiber. Carbohydrate Polymers, 2017, 157, 1650-1656.	10.2	114
99	Novel environmentally sustainable cardanol-based plasticizers: synthesis and properties. Polymer International, 2016, 65, 464-472.	3.1	20
100	A facile synthesis of a highly stable superhydrophobic nanofibrous film for effective oil/water separation. RSC Advances, 2016, 6, 82352-82358.	3.6	12
101	Hierarchically structured C@SnO ₂ @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	42
102	Natural collagen fiber-enabled facile synthesis of carbon@Fe ₃ O ₄ coreâ€shell nanofiber bundles and their application as ultrahigh-rate anode materials for Li-ion batteries. RSC Advances, 2016, 6, 10824-10830.	3.6	17
103	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.	5.5	56
104	Effect of ultrasonic pretreatment on kinetics of gelatin hydrolysis by collagenase and its mechanism. Ultrasonics Sonochemistry, 2016, 29, 495-501.	8.2	35
105	Novel environmentally sustainable cardanol-based plasticizer covalently bound to PVC via click chemistry: synthesis and properties. RSC Advances, 2015, 5, 16980-16985.	3.6	59
106	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.	5.5	75
107	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.	2.7	9
108	Effect of ultrasound on the activity and conformation of Î±-amylase, papain and pepsin. Ultrasonics Sonochemistry, 2014, 21, 930-936.	8.2	117

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109	Facile synthesis of mesoporous sulfated Ce/TiO ₂ nanofiber solid superacid with nanocrystalline frameworks by using collagen fibers as a biotemplate and its application in esterification. RSC Advances, 2014, 4, 4010-4019.	3.6	30
110	Asymmetric polyurethane membrane with inflammation-responsive antibacterial activity for potential wound dressing application. Journal of Materials Science, 2013, 48, 6625-6639.	3.7	26
111	Adsorption Chromatography Separation of Baicalein and Baicalin Using Collagen Fiber Adsorbent. Industrial & Engineering Chemistry Research, 2013, 52, 2425-2433.	3.7	11
112	Microbial community structure of pit mud in a Chinese strong aromatic liquor fermentation pit. Journal of the Institute of Brewing, 2012, 118, 356-360.	2.3	45
113	Preparation of highly active and reusable heterogeneous Al ₂ O ₃ @Pd catalysts by the sol-gel method using bayberry tannin as stabilizer. Research on Chemical Intermediates, 2012, 38, 1609-1618.	2.7	4
114	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.	6.7	134
115	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.	3.1	45
116	Molecular level understanding of the role of aldehyde in vegetable-aldehyde-collagen cross-linking reaction. International Journal of Quantum Chemistry, 2012, 112, 2832-2839.	2.0	6
117	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.	3.2	4
118	One-step in situ assembly of size-controlled silver nanoparticles on polyphenol-grafted collagen fiber with enhanced antibacterial properties. New Journal of Chemistry, 2011, 35, 2902.	2.8	28
119	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.	9.0	167
120	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.	9.0	109
121	Synthesis of highly active and reusable supported gold nanoparticles and their catalytic applications to 4-nitrophenol reduction. Green Chemistry, 2011, 13, 2801.	9.0	95
122	Modification of collagen with a natural cross-linker, procyanidin. International Journal of Biological Macromolecules, 2011, 48, 354-359.	7.5	282
123	Skin collagen fiber-based radar absorbing materials. Science Bulletin, 2011, 56, 202-208.	1.7	7
124	Thermal sensitive polyurethane membranes with desirable switch temperatures. Macromolecular Research, 2010, 18, 1053-1059.	2.4	6
125	Thermosensitive polyurethane film and finished leather with controllable water vapor permeability. Journal of Applied Polymer Science, 2010, 117, 1820-1827.	2.6	6
126	SIMULTANEOUS DETERMINATION OF CAFFEINE AND CATECHINS IN TEA EXTRACTS BY HPLC. Journal of Liquid Chromatography and Related Technologies, 2010, 33, 491-498.	1.0	13

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127	One-step, size-controlled synthesis of gold nanoparticles at room temperature using plant tannin. <i>Green Chemistry</i> , 2010, 12, 395-399.	9.0	198
128	Separation of Proanthocyanidins into Oligomeric and Polymeric Components Using a Novel Collagen Fiber Adsorbent. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2009, 32, 1901-1913.	1.0	3
129	Highly stable Pt nanoparticle catalyst supported by polyphenol-grafted collagen fiber and its catalytic application in the hydrogenation of olefins. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 1702-1711.	3.2	18
130	Recovery of Th(IV) from aqueous solution by reassembled collagen-tannin fiber adsorbent. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009, 280, 91-98.	1.5	20
131	Pd(0) Nanoparticle Stabilized by Tannin-grafted SiO ₂ Beads and Its Application in Liquid-hydrogenation of Unsaturated Organic Compounds. <i>Catalysis Letters</i> , 2009, 133, 192-200.	2.6	11
132	Thermo-sensitive polyurethane membrane with controllable water vapor permeation for food packaging. <i>Macromolecular Research</i> , 2009, 17, 528-532.	2.4	23
133	Adsorption of metal anions of vanadium(V) and chromium(VI) on Zr(IV)-impregnated collagen fiber. <i>Adsorption</i> , 2008, 14, 55-64.	3.0	85
134	Water vapor permeability of the polyurethane/TiO ₂ nanohybrid membrane with temperature sensitivity. <i>Journal of Applied Polymer Science</i> , 2008, 109, 3002-3007.	2.6	26
135	Synthesis of hierarchical mesoporous zirconia fiber by using collagen fiber as a template. <i>Journal of Materials Research</i> , 2008, 23, 3263-3268.	2.6	15
136	Adsorption Behavior of Phosphate on Metal-Ions-Loaded Collagen Fiber. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 3896-3901.	3.7	67
137	Adsorption of bismuth(III) by bayberry tannin immobilized on collagen fiber. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 1301-1306.	3.2	16
138	Production of ellagic acid from degradation of valonea tannins by <i>Aspergillus niger</i> and <i>Candida utilis</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2005, 80, 1154-1159.	3.2	45
139	Selective removal of tannins from medicinal plant extracts using a collagen fiber adsorbent. <i>Journal of the Science of Food and Agriculture</i> , 2005, 85, 1285-1291.	3.5	36
140	Adsorption Behaviors of Pt(II) and Pd(II) on Collagen Fiber Immobilized Bayberry Tannin. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 4221-4226.	3.7	71
141	Adsorption recovery of thorium(IV) by <i>Myrica rubra</i> tannin and larch tannin immobilized onto collagen fibres. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2004, 260, 619-625.	1.5	43
142	Adsorption of Cu(II) from aqueous solutions by tannins immobilized on collagen. <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 335-342.	3.2	40
143	Collagen Fiber Immobilized <i>Myrica rubra</i> Tannin and Its Adsorption to. <i>Environmental Science & Technology</i> , 2004, 38, 324-328.	10.0	96