

Jian Zhou

List of Publications by Year in descending order

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143
papers

4,789
citations

101384

36
h-index

123241

61
g-index

144
all docs

144
docs citations

144
times ranked

5142
citing authors

#	ARTICLE	IF	CITATIONS
1	Modification of collagen with a natural cross-linker, procyanidin. <i>International Journal of Biological Macromolecules</i> , 2011, 48, 354-359.	3.6	282
2	Engineering robust metal-phenolic network membranes for uranium extraction from seawater. <i>Energy and Environmental Science</i> , 2019, 12, 607-614.	15.6	259
3	One-step, size-controlled synthesis of gold nanoparticles at room temperature using plant tannin. <i>Green Chemistry</i> , 2010, 12, 395-399.	4.6	198
4	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. <i>Green Chemistry</i> , 2011, 13, 651.	4.6	167
5	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. <i>Journal of Materials Chemistry</i> , 2012, 22, 11933.	6.7	134
6	Effect of ultrasound on the activity and conformation of α -amylase, papain and pepsin. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 930-936.	3.8	117
7	Preparation of oxidized sodium alginate with different molecular weights and its application for crosslinking collagen fiber. <i>Carbohydrate Polymers</i> , 2017, 157, 1650-1656.	5.1	114
8	One-step room-temperature synthesis of Au@Pd core-shell nanoparticles with tunable structure using plant tannin as reductant and stabilizer. <i>Green Chemistry</i> , 2011, 13, 950.	4.6	109
9	Targeted Therapy against Metastatic Melanoma Based on Self-Assembled Metal-Phenolic Nanocomplexes Comprised of Green Tea Catechin. <i>Advanced Science</i> , 2019, 6, 1801688.	5.6	109
10	Collagen Fiber Immobilized Myrica rubra Tannin and Its Adsorption to. <i>Environmental Science & Technology</i> , 2004, 38, 324-328.	4.6	96
11	Synthesis of highly active and reusable supported gold nanoparticles and their catalytic applications to 4-nitrophenol reduction. <i>Green Chemistry</i> , 2011, 13, 2801.	4.6	95
12	Adsorption of metal anions of vanadium(V) and chromium(VI) on Zr(IV)-impregnated collagen fiber. <i>Adsorption</i> , 2008, 14, 55-64.	1.4	85
13	Effect of soil pH on the transport, fractionation, and oxidation of chromium(III). <i>Ecotoxicology and Environmental Safety</i> , 2020, 195, 110459.	2.9	79
14	Ferromagnetic hierarchical carbon nanofiber bundles derived from natural collagen fibers: truly lightweight and high-performance microwave absorption materials. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10146-10153.	2.7	75
15	Preparation of highly-oxidized starch using hydrogen peroxide and its application as a novel ligand for zirconium tanning of leather. <i>Carbohydrate Polymers</i> , 2017, 174, 823-829.	5.1	74
16	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.	5.2	74
17	Adsorption Behaviors of Pt(II) and Pd(II) on Collagen Fiber Immobilized Bayberry Tannin. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 4221-4226.	1.8	71
18	Adsorption Behavior of Phosphate on Metal-Ions-Loaded Collagen Fiber. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 3896-3901.	1.8	67

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19	Novel environmentally sustainable cardanol-based plasticizer covalently bound to PVC via click chemistry: synthesis and properties. <i>RSC Advances</i> , 2015, 5, 16980-16985.	1.7	59
20	Ultrafast and efficient removal of anionic dyes from wastewater by polyethyleneimine-modified silica nanoparticles. <i>Chemosphere</i> , 2019, 229, 570-579.	4.2	59
21	Lightweight and high-performance electromagnetic radiation shielding composites based on a surface coating of Cu@Ag nanoflakes on a leather matrix. <i>Journal of Materials Chemistry C</i> , 2016, 4, 914-920.	2.7	56
22	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.	5.3	51
23	Effect of structure features of polysaccharides on properties of dialdehyde polysaccharide tanning agent. <i>Carbohydrate Polymers</i> , 2018, 201, 549-556.	5.1	49
24	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.	4.0	48
25	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.	1.6	45
26	Microbial community structure of pit mud in a Chinese strong aromatic liquor fermentation pit. <i>Journal of the Institute of Brewing</i> , 2012, 118, 356-360.	0.8	45
27	Skin Collagen Fiber-Biotemplated Synthesis of Size-Tunable Silver Nanoparticle-Embedded Hierarchical Intertextures with Lightweight and Highly Efficient Microwave Absorption Properties. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8188-8195.	1.5	45
28	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.	6.5	45
29	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.	0.7	43
30	Uranium biosorption mechanism model of protonated <i>Saccharomyces cerevisiae</i> . <i>Journal of Hazardous Materials</i> , 2020, 385, 121588.	6.5	43
31	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.	3.1	43
32	Hierarchically structured C@SnO ₂ @C nanofiber bundles with high stability and effective ambipolar diffusion kinetics for high-performance Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18783-18791.	5.2	42
33	Adsorption of Cu(II) from aqueous solutions by tannins immobilized on collagen. <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 335-342.	1.6	40
34	Durable superhydrophobic materials enabled by abrasion-triggered roughness regeneration. <i>Chemical Engineering Journal</i> , 2018, 336, 633-639.	6.6	39
35	Research on X-ray shielding performance of wearable Bi/Ce-natural leather composite materials. <i>Journal of Hazardous Materials</i> , 2020, 398, 122943.	6.5	39
36	Formaldehyde formation during the preparation of dialdehyde carboxymethyl cellulose tanning agent. <i>Carbohydrate Polymers</i> , 2020, 239, 116217.	5.1	38

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37	Peroxide-periodate co-modification of carboxymethylcellulose to prepare polysaccharide-based tanning agent with high solid content. <i>Carbohydrate Polymers</i> , 2019, 224, 115169.	5.1	37
38	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.	1.7	36
39	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.	3.2	36
40	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.	4.2	36
41	Effect of ultrasonic pretreatment on kinetics of gelatin hydrolysis by collagenase and its mechanism. <i>Ultrasonics Sonochemistry</i> , 2016, 29, 495-501.	3.8	35
42	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.	1.8	33
43	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, .	2.7	33
44	Advanced masking agent for leather tanning from stepwise degradation and oxidation of cellulose. <i>Green Chemistry</i> , 2021, 23, 4044-4050.	4.6	32
45	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.	4.6	31
46	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.	4.0	31
47	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.	6.5	31
48	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. <i>RSC Advances</i> , 2014, 4, 4010-4019.	1.7	30
49	Self-Assembled Metal@Phenolic Nanoparticles for Enhanced Synergistic Combination Therapy against Colon Cancer. <i>Advanced Biology</i> , 2019, 3, e1800241.	3.0	30
50	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.	3.2	30
51	Collagen-based breathable, humidity-ultrastable and degradable on-skin device. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2548-2556.	2.7	29
52	Leather enabled multifunctional thermal camouflage armor. <i>Chemical Engineering Science</i> , 2019, 196, 64-71.	1.9	29
53	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.	6.5	29
54	One-step in situ assembly of size-controlled silver nanoparticles on polyphenol-grafted collagen fiber with enhanced antibacterial properties. <i>New Journal of Chemistry</i> , 2011, 35, 2902.	1.4	28

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55	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.	6.5	28
56	Water vapor permeability of the polyurethane/TiO ₂ nanohybrid membrane with temperature sensitivity. <i>Journal of Applied Polymer Science</i> , 2008, 109, 3002-3007.	1.3	26
57	Asymmetric polyurethane membrane with inflammation-responsive antibacterial activity for potential wound dressing application. <i>Journal of Materials Science</i> , 2013, 48, 6625-6639.	1.7	26
58	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.	0.7	26
59	Preparation of polyurea microcapsules containing phase change materials in a rotating packed bed. <i>RSC Advances</i> , 2017, 7, 21196-21204.	1.7	25
60	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.	3.0	25
61	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, .	2.7	25
62	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.	1.8	24
63	Efficient separation of viscous emulsion through amphiprotic collagen nanofibers-based membrane. <i>Journal of Membrane Science</i> , 2019, 588, 117209.	4.1	24
64	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.	3.6	24
65	Chrome-free synergistic tanning system based on biomass-derived hydroxycarboxylic acid-zirconium complexes. <i>Journal of Cleaner Production</i> , 2022, 336, 130428.	4.6	24
66	Thermo-sensitive polyurethane membrane with controllable water vapor permeation for food packaging. <i>Macromolecular Research</i> , 2009, 17, 528-532.	1.0	23
67	A low-cost and water resistant biomass adhesive derived from the hydrolysate of leather waste. <i>RSC Advances</i> , 2017, 7, 4024-4029.	1.7	23
68	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.	4.6	23
69	Irradiation-stable hydrous titanium oxide-immobilized collagen fibers for uranium removal from radioactive wastewater. <i>Journal of Environmental Management</i> , 2021, 283, 112001.	3.8	23
70	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.	5.2	23
71	Competitive adsorption for simultaneous removal of emulsified water and surfactants from mixed surfactant-stabilized emulsions with high flux. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14058-14064.	5.2	22
72	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.	4.6	22

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73	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.	4.2	21
74	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.	0.7	20
75	Novel environmentally sustainable cardanol-based plasticizers: synthesis and properties. <i>Polymer International</i> , 2016, 65, 464-472.	1.6	20
76	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.	6.6	20
77	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.	1.9	20
78	Corrosion inhibition performance of tannins for mild steel in hydrochloric acid solution. <i>Research on Chemical Intermediates</i> , 2018, 44, 407-423.	1.3	19
79	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.	1.9	19
80	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.	4.0	19
81	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.	1.6	18
82	Tanning agent free leather making enabled by the dispersity of collagen fibers combined with superhydrophobic coating. <i>Green Chemistry</i> , 2021, 23, 3581-3587.	4.6	18
83	Natural collagen fiber-enabled facile synthesis of carbon@Fe ₃ O ₄ core-shell nanofiber bundles and their application as ultrahigh-rate anode materials for Li-ion batteries. <i>RSC Advances</i> , 2016, 6, 10824-10830.	1.7	17
84	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.	4.0	17
85	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.	4.2	17
86	Adsorption of bismuth(III) by bayberry tannin immobilized on collagen fiber. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 1301-1306.	1.6	16
87	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.	1.8	16
88	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.	7.1	16
89	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.	2.5	16
90	Synthesis of hierarchical mesoporous zirconia fiber by using collagen fiber as a template. <i>Journal of Materials Research</i> , 2008, 23, 3263-3268.	1.2	15

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91	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.	1.7	15
92	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.	1.2	15
93	Microbial Community of Tannery Wastewater Involved in Nitrification Revealed by Illumina MiSeq Sequencing. <i>Journal of Microbiology and Biotechnology</i> , 2018, 28, 1168-1177.	0.9	15
94	Collagen Fiber-Based Advanced Separation Materials: Recent Developments and Future Perspectives. <i>Advanced Materials</i> , 2022, 34, e2107891.	11.1	14
95	SIMULTANEOUS DETERMINATION OF CAFFEINE AND CATECHINS IN TEA EXTRACTS BY HPLC. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2010, 33, 491-498.	0.5	13
96	Mixed factors affecting plantar pressures and center of pressure in obese children: Obesity and flatfoot. <i>Gait and Posture</i> , 2020, 80, 7-13.	0.6	13
97	<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.	0.8	13
98	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.	6.5	13
99	A facile synthesis of a highly stable superhydrophobic nanofibrous film for effective oil/water separation. <i>RSC Advances</i> , 2016, 6, 82352-82358.	1.7	12
100	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.	0.5	12
101	Insights into Regional Wetting Behaviors of Amphiphilic Collagen for Dual Separation of Emulsions. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 18209-18217.	4.0	12
102	Leather-like hierarchical porous composites with outstanding electromagnetic interference shielding effectiveness and durability. <i>Composites Part B: Engineering</i> , 2021, 225, 109272.	5.9	12
103	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.	1.5	12
104	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.	1.4	11
105	Adsorption Chromatography Separation of Baicalein and Baicalin Using Collagen Fiber Adsorbent. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 2425-2433.	1.8	11
106	Synthesis of Au/lignin-tannin particles and their anticancer application. <i>Green Chemistry</i> , 2021, 23, 6945-6952.	4.6	11
107	Effect of Dialdehyde Carboxymethyl Cellulose Cross-Linking on the Porous Structure of the Collagen Matrix. <i>Biomacromolecules</i> , 2022, 23, 1723-1732.	2.6	11
108	Effects of dispersion and fixation of collagen fiber network on its flame retardancy. <i>Polymer Degradation and Stability</i> , 2020, 175, 109122.	2.7	10

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109	Ornithinibacillus caprae sp. nov., a moderate halophile isolated from the hides of a white goat. Archives of Microbiology, 2020, 202, 1469-1476.	1.0	10
110	Natural polyphenol-based nanoengineering of collagen-constructed hemoperfusion adsorbent for the excretion of heavy metals. Journal of Hazardous Materials, 2022, 428, 128145.	6.5	10
111	Polyethyleneimine/hydrated titanium oxide-functionalized fibrous adsorbent for removing cobalt: Adsorption performance and irradiation stability. Environmental Research, 2022, 211, 112916.	3.7	10
112	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.	1.3	9
113	Preparation of high solid content oxidized starch by acid pretreatmentâ€”H ₂ O ₂ oxidation and its performance as the ligand in zirconium tanning. Carbohydrate Research, 2022, 511, 108501.	1.1	9
114	Ultradurable Superhydrophobic Natural Rubberâ€”Based Elastomer Enabled by Modified Multiscale Leather Collagen Fibers. Advanced Materials Interfaces, 2020, 7, 2000344.	1.9	8
115	Engineered liver-inspired collagen matrix as a high-performance hemoperfusion adsorbent for bilirubin removal. Chemical Engineering Journal, 2021, 426, 130791.	6.6	8
116	Green and sustainable â€”Al-Zr-oligosaccharidesâ€” tanning agents from the simultaneous depolymerization and oxidation of waste paper. Science of the Total Environment, 2022, 837, 155570.	3.9	8
117	Skin collagen fiber-based radar absorbing materials. Science Bulletin, 2011, 56, 202-208.	1.7	7
118	Formation and in situ separation of oligomeric products from complete depolymerization of pubescens using a catalyst-free biphasic system. Cellulose, 2020, 27, 1951-1964.	2.4	7
119	Synthesis of Catechinâ€”Rare Earth Complex with Efficient and Broadâ€”spectrum Antiâ€”Biofilm Activity. Chemistry and Biodiversity, 2020, 17, e1900734.	1.0	7
120	Effects of collagen fiber addition on the combustion and thermal stability of natural rubber. Journal of Leather Science and Engineering, 2020, 2, .	2.7	7
121	Thermal sensitive polyurethane membranes with desirable switch temperatures. Macromolecular Research, 2010, 18, 1053-1059.	1.0	6
122	Thermosensitive polyurethane film and finished leather with controllable water vapor permeability. Journal of Applied Polymer Science, 2010, 117, 1820-1827.	1.3	6
123	Molecular level understanding of the role of aldehyde in vegetableâ€”aldehydeâ€”collagen crossâ€”linking reaction. International Journal of Quantum Chemistry, 2012, 112, 2832-2839.	1.0	6
124	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.	1.7	6
125	Description of Salinicola corii sp. nov., a Halotolerant Bacterium Isolated from Wetsalted Hides. Current Microbiology, 2020, 77, 1932-1938.	1.0	6
126	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.	3.3	6

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127	Effects of tannic acid on the transport behavior of trivalent chromium in soils and its mechanism. <i>Environmental Pollution</i> , 2022, 305, 119328.	3.7	6
128	Self-driven directional dehydration enabled eco-friendly manufacture of chrome-free leather. <i>Journal of Leather Science and Engineering</i> , 2022, 4, .	2.7	6
129	Konjac Glucomannan Derived Carbon Aerogels for Multifunctional Applications. <i>Nano</i> , 2018, 13, 1850113.	0.5	5
130	Preparation of highly active and reusable heterogeneous Al ₂ O ₃ @Pd catalysts by the sol-gel method using bayberry tannin as stabilizer. <i>Research on Chemical Intermediates</i> , 2012, 38, 1609-1618.	1.3	4
131	Recyclable plant tannin-chelated Rh(III) complex catalysts for aqueous-organic biphasic hydrogenation of quinoline. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 1104-1110.	1.6	4
132	Synthesis, Characterization, and Optical Performance of a Novel Fluorescent Waterborne Polyurethane. <i>Advances in Polymer Technology</i> , 2017, 36, 137-144.	0.8	4
133	Radionuclide tolerance mechanism of plants for ultrasensitive enrichment of low content of thorium with exceptional selectivity coefficient. <i>Journal of Hazardous Materials</i> , 2019, 380, 120893.	6.5	4
134	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.	1.8	4
135	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.	2.7	4
136	Soft while strong mechanical shock tolerable e-skins. <i>Journal of Materials Chemistry A</i> , 2022, 10, 8186-8194.	5.2	4
137	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.	2.7	4
138	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.	0.5	3
139	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.	5.6	2
140	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
141	Hydrothermal synthesis of honey/bayberry microsphere for uranium removal from aqueous solution. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 330, 1271.	0.7	1
142	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.	0.9	1
143	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.	1.6	1