Colorless Multifunctional Coatings Inspired by Polyphe Wine

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Citation Report

#	Article	IF	Citations
1	Phenolic film engineering for template-mediated microcapsule preparation. Polymer Journal, 2014, 46, 452-459.	1.3	52
2	Surface properties and dissolution kinetics of tea polyphenols. Journal of Adhesion Science and Technology, 2014, 28, 2416-2423.	1.4	14
4	Dopamineâ€Based Coatings and Hydrogels: Toward Substitutionâ€Related Structureâ€“Property Relationships. Macromolecular Chemistry and Physics, 2014, 215, 2403-2413.	1.1	36
5	Size controllable synthesis and antimicrobial activity of poly-N,Nâ€²-[(4,5-dihydroxy-1,2-phenylene)bis(methylene)]bisacrylamide microspheres. RSC Advances, 2014, 4, 57891-57898.	1.7	15
6	Pyrogallol 2â€Aminoethane: A Plant Flavonoidâ€Inspired Molecule for Materialâ€Independent Surface Chemistry. Advanced Materials Interfaces, 2014, 1, 1400113.	1.9	104
7	Engineering Multifunctional Capsules through the Assembly of Metalâ€“Phenolic Networks. Angewandte Chemie - International Edition, 2014, 53, 5546-5551.	7.2	781
8	Neuritogenic Surfaces using Natural Product Analogs. Advanced Healthcare Materials, 2014, 3, 1415-1419.	3.9	3
9	Green Synthesis of Anisotropic Gold Nanoparticles for Photothermal Therapy of Cancer. ACS Applied Materials & Interfaces, 2014, 6, 8080-8089.	4.0	164
10	Surface Textured Polymer Fibers for Microfluidics. Advanced Functional Materials, 2014, 24, 4569-4576.	7.8	45
11	Synthesis, Characterization, and Antibacterial Properties of a Hydroxyapatite Adhesive Block Copolymer. Macromolecules, 2014, 47, 8018-8025.	2.2	25
12	Highly selective CO₂ separation membranes through tunable poly(4-vinylphenolate)â€“CO₂ interactions. Journal of Materials Chemistry A, 2014, 2, 16389-16396.	5.2	13
13	Enhanced catalytic application of Au@polyphenol-metal nanocomposites synthesized by a facile and green method. Journal of Materials Chemistry A, 2014, 2, 14807.	5.2	82
14	Molecular diversity in phenolic and polyphenolic precursors of tannin-inspired nanocoatings. Chemical Communications, 2014, 50, 7265-7268.	2.2	248
15	Dendritic organicâ€“inorganic hybrid polyphenol and branched benzoxazine monomers with low curing temperature. RSC Advances, 2014, 4, 53505-53513.	1.7	13
16	Musselâ€Inspired Dendritic Polymers as Universal Multifunctional Coatings. Angewandte Chemie - International Edition, 2014, 53, 11650-11655.	7.2	202
17	Bioâ€Hybrid Tumor Cellâ€Templated Capsules: A Generic Formulation Strategy for Tumor Associated Antigens in View of Immune Therapy. Advanced Functional Materials, 2014, 24, 7139-7150.	7.8	10
18	Coordination-Driven Multistep Assembly of Metalâ€“Polyphenol Films and Capsules. Chemistry of Materials, 2014, 26, 1645-1653.	3.2	303
19	One-pot synthesis of narrowly distributed silver nanoparticles using phenolic-hydroxyl modified chitosan and their antimicrobial activity. RSC Advances, 2014, 4, 47021-47030.	1.7	35

#	Article	IF	Citations
20	Mussel Inspired Modification of Polypropylene Separators by Catechol/Polyamine for Li-Ion Batteries. ACS Applied Materials & Interfaces, 2014, 6, 5602-5608.	4.0	147
21	Gels and threads: mussel-inspired one-pot route to advanced responsive materials. Chemical Communications, 2014, 50, 13278-13281.	2.2	113
22	Engineering Multifunctional Capsules through the Assembly of Metalâ€“Phenolic Networks. Angewandte Chemie, 2014, 126, 5652-5657.	1.6	111
23	Gallotannins and Tannic Acid: First Chemical Syntheses and In Vitro Inhibitory Activity on Alzheimerâ€™s Amyloid Î²â€Peptide Aggregation. Angewandte Chemie - International Edition, 2015, 54, 8217-8221.	7.2	48
24	Enhanced Adhesion of Marine Diatoms on a Solid Substrate by Tannic Acid Coating. Bulletin of the Korean Chemical Society, 2015, 36, 9-10.	1.0	4
25	Antifouling on Gecko's Feet Inspired Fibrillar Surfaces: Evolving from Land to Marine and from Liquid Repellency to Algae Resistance. Advanced Materials Interfaces, 2015, 2, 1500257.	1.9	56
26	Mussel Byssusâ€Like Reversible Metalâ€Chelated Supramolecular Complex Used for Dynamic Cellular Surface Engineering and Imaging. Advanced Functional Materials, 2015, 25, 3775-3784.	7.8	85
27	Polyphenol/Fe^{III} Complex Coated Membranes Having Multifunctional Properties Prepared by a Oneâ€Step Fast Assembly. Advanced Materials Interfaces, 2015, 2, 1500298.	1.9	102
28	Development of a cashew nut shell liquid (CNSL)â€based polymer for antibacterial activity. Journal of Applied Polymer Science, 2015, 132, .	1.3	26
29	Gallotannins and Tannic Acid: First Chemical Syntheses and In Vitro Inhibitory Activity on Alzheimerâ€™s Amyloid Î²â€Peptide Aggregation. Angewandte Chemie, 2015, 127, 8335-8339.	1.6	6
30	A rapid, efficient and facile solution for dental hypersensitivity: The tanninâ€“iron complex. Scientific Reports, 2015, 5, 10884.	1.6	44
31	Co-deposition of catechol/polyethyleneimine on porous membranes for efficient decolorization of dye water. Journal of Materials Chemistry A, 2015, 3, 14438-14444.	5.2	150
32	Verification of resistance to three mediated microbial strains and cancerous defense against MCF7 compared to HepG2 through microwave synthesized plant-mediated silver nanoparticle. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2015, 6, 035002.	0.7	6
33	Hydrogen-Bonded Multilayer Films Based on Poly(N-vinylamide) Derivatives and Tannic Acid. Langmuir, 2015, 31, 6863-6869.	1.6	49
34	Phenols from green tea as a dual functional coating to prepare devices for energy storage and molecular separation. Chemical Communications, 2015, 51, 11662-11664.	2.2	28
35	Versatile Method for Coating Surfaces with Functional and Responsive Polymer-Based Films. ACS Applied Materials & Interfaces, 2015, 7, 27547-27553.	4.0	21
36	Spray-Assisted Nanocoating of the Biobased Material Urushiol. Langmuir, 2015, 31, 2360-2365.	1.6	20
37	Mussel-Inspired Modification of Honeycomb Structured Films for Superhydrophobic Surfaces with Tunable Water Adhesion. Journal of Physical Chemistry C, 2015, 119, 3667-3673.	1.5	37

#	Article	IF	Citations
38	Fabrication of a Superhydrophobic, Fire-Resistant, and Mechanical Robust Sponge upon Polyphenol Chemistry for Efficiently Absorbing Oils/Organic Solvents. Industrial & Engineering Chemistry Research, 2015, 54, 1842-1848.	1.8	54
39	Tea Stains-Inspired Initiator Primer for Surface Grafting of Antifouling and Antimicrobial Polymer Brush Coatings. Biomacromolecules, 2015, 16, 723-732.	2.6	122
40	Engineering Low-Fouling and pH-Degradable Capsules through the Assembly of Metal-Phenolic Networks. Biomacromolecules, 2015, 16, 807-814.	2.6	121
41	DNA/Tannic Acid Hybrid Gel Exhibiting Biodegradability, Extensibility, Tissue Adhesiveness, and Hemostatic Ability. Advanced Functional Materials, 2015, 25, 1270-1278.	7.8	266
42	Bioinspired Quercitrin Nanocoatings: A Fluorescence-Based Method for Their Surface Quantification, and Their Effect on Stem Cell Adhesion and Differentiation to the Osteoblastic Lineage. ACS Applied Materials & Interfaces, 2015, 7, 16857-16864.	4.0	29
43	Development of Peptide Conjugated Chlorogenic Acid Nanoassemblies for Targeting Tumorigenic Cells. Soft Materials, 2015, 13, 150-159.	0.8	5
44	Schmitt Trigger Using a Selfâ€Healing Ionic Liquid Gated Transistor. Advanced Materials, 2015, 27, 3331-3335.	11.1	48
45	One-step functionalization of zwitterionic poly[(3-(methacryloylamino)propyl)dimethyl(3-sulfopropyl)ammonium hydroxide] surfaces by metalâ€“polyphenol coating. Chemical Communications, 2015, 51, 5340-5342.	2.2	37
46	Polymer Directed Self-Assembly of pH-Responsive Antioxidant Nanoparticles. Langmuir, 2015, 31, 3612-3620.	1.6	61
47	Synthetic coatings: Super surfaces. Nature, 2015, 519, S7-S9.	13.7	25
48	Surface engineering of polymer membranes via mussel-inspired chemistry. Journal of Membrane Science, 2015, 483, 42-59.	4.1	358
49	Versatile, Tannic Acid-Mediated Surface PEGylation for Marine Antifouling Applications. ACS Applied Materials & Interfaces, 2015, 7, 6412-6416.	4.0	140
50	Tunicate-mimetic nanofibrous hydrogel adhesive with improved wet adhesion. Acta Biomaterialia, 2015, 20, 104-112.	4.1	118
51	Polyphenolâ€“gelatin nanoparticles as reductant and stabilizer for one-step synthesis of gold nanoparticles and their interfacial behavior. RSC Advances, 2015, 5, 26496-26503.	1.7	16
52	Supramolecular design of coordination bonding architecture on zein nanoparticles for pH-responsive anticancer drug delivery. Colloids and Surfaces B: Biointerfaces, 2015, 136, 1224-1233.	2.5	58
53	In situ green synthesis of Ag nanoparticles on tea polyphenols-modified graphene and their catalytic reduction activity of 4-nitrophenol. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 485, 102-110.	2.3	80
54	Polydopamine Coatings in Confined Nanopore Space: Toward Improved Retention and Release of Hydrophilic Cargo. Journal of Physical Chemistry C, 2015, 119, 24512-24521.	1.5	111
55	Facile Method To Prepare Microcapsules Inspired by Polyphenol Chemistry for Efficient Enzyme Immobilization. ACS Applied Materials & Interfaces, 2015, 7, 19570-19578.	4.0	64

#	Article	IF	Citations
56	Coating process and stability of metal-polyphenol film. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 484, 197-205.	2.3	62
57	Universal polymer coatings and their representative biomedical applications. Materials Horizons, 2015, 2, 567-577.	6.4	200
58	Effect of Winemaking on the Composition of Red Wine as a Source of Polyphenols for Anti-Infective Biomaterials. Materials, 2016, 9, 316.	1.3	17
59	Adsorption of Wine Constituents on Functionalized Surfaces. Molecules, 2016, 21, 1394.	1.7	10
60	UVâ€Triggered Surfaceâ€Initiated Polymerization from Colorless Green Tea Polyphenolâ€Coated Surfaces. Macromolecular Rapid Communications, 2016, 37, 1256-1261.	2.0	27
61	Void Engineering in Metalâ€“Organic Frameworks via Synergistic Etching and Surface Functionalization. Advanced Functional Materials, 2016, 26, 5827-5834.	7.8	302
62	Waterâ€Triggered Selfâ€Healing Coatings of Hydrogenâ€Bonded Complexes for High Binding Affinity and Antioxidative Property. Advanced Materials Interfaces, 2016, 3, 1600167.	1.9	48
63	Saltâ€Driven Deposition of Thermoresponsive Polymerâ€Coated Metal Nanoparticles on Solid Substrates. Angewandte Chemie - International Edition, 2016, 55, 7086-7090.	7.2	17
64	Plant Polyphenolâ€Assisted Green Synthesis of Hollow CoPt Alloy Nanoparticles for Dualâ€Modality Imaging Guided Photothermal Therapy. Small, 2016, 12, 1506-1513.	5.2	57
65	Magnetic Coreâ€“Shell Silica Nanoparticles with Large Radial Mesopores for siRNA Delivery. Small, 2016, 12, 4735-4742.	5.2	96
66	Astringent Mouthfeel as a Consequence of Lubrication Failure. Angewandte Chemie - International Edition, 2016, 55, 5793-5797.	7.2	76
67	A Versatile Ironâ€“Tanninâ€Framework Ink Coating Strategy to Fabricate Biomassâ€Derived Iron Carbide/Feâ€Nâ€Carbon Catalysts for Efficient Oxygen Reduction. Angewandte Chemie, 2016, 128, 1377-1381.	1.6	59
68	Tannic acid and cholesterolâ€“dopamine as building blocks in composite coatings for substrateâ€mediated drug delivery. Polymer International, 2016, 65, 1306-1314.	1.6	8
69	Nanomechanics of Poly(catecholamine) Coatings in Aqueous Solutions. Angewandte Chemie - International Edition, 2016, 55, 3342-3346.	7.2	173
70	Musselâ€Inspired Materials: Selfâ€Healing through Coordination Chemistry. Chemistry - A European Journal, 2016, 22, 844-857.	1.7	257
71	Tunicateâ€Inspired Gallic Acid/Metal Ion Complex for Instant and Efficient Treatment of Dentin Hypersensitivity. Advanced Healthcare Materials, 2016, 5, 919-927.	3.9	50
72	Evidence of Porphyrin-Like Structures in Natural Melanin Pigments Using Electrochemical Fingerprinting. Advanced Materials, 2016, 28, 3173-3180.	11.1	75
73	Saltâ€Driven Deposition of Thermoresponsive Polymerâ€Coated Metal Nanoparticles on Solid Substrates. Angewandte Chemie, 2016, 128, 7202-7206.	1.6	9

#	Article	IF	Citations
74	Composite nanofiltration membranes via the co-deposition and cross-linking of catechol/polyethylenimine. RSC Advances, 2016, 6, 34096-34102.	1.7	49
75	pH-Degradable antioxidant nanoparticles based on hydrogen-bonded tannic acid assembly. RSC Advances, 2016, 6, 31374-31385.	1.7	43
76	Interfacial Cohesion and Assembly of Bioadhesive Molecules for Design of Long-Term Stable Hydrophobic Nanodrugs toward Effective Anticancer Therapy. ACS Nano, 2016, 10, 5720-5729.	7.3	159
77	Reverse osmosis nanocomposite membranes containing graphene oxides coated by tannic acid with chlorine-tolerant and antimicrobial properties. Journal of Membrane Science, 2016, 514, 25-34.	4.1	134
78	Biobased Polymer Coating Using Catechol Derivative Urushiol. Langmuir, 2016, 32, 4619-4623.	1.6	45
79	Step-by-step deposition of type B gelatin and tannic acid displays a peculiar ionic strength dependence at pH 5. RSC Advances, 2016, 6, 4730-4738.	1.7	20
80	Novel natural phenolic compound-based oxygen scavenging system for active packaging applications. Journal of Food Measurement and Characterization, 2016, 10, 533-538.	1.6	33
81	Cell-in-Shell Hybrids: Chemical Nanoencapsulation of Individual Cells. Accounts of Chemical Research, 2016, 49, 792-800.	7.6	143
82	Enzyme-triggered coatings of tea catechins/chitosan for nanofiltration membranes with high performance. Green Chemistry, 2016, 18, 6205-6208.	4.6	75
83	A Novel Platelet-Repellent Polyphenolic Surface and Its Micropattern for Platelet Adhesion Detection. ACS Applied Materials & Interfaces, 2016, 8, 26570-26577.	4.0	37
84	Coreâ€“shell nano-structured carbon composites based on tannic acid for lithium-ion batteries. Journal of Materials Chemistry A, 2016, 4, 17215-17224.	5.2	56
85	A Biodegradable Polycationic Paint that Kills Bacteria in Vitro and in Vivo. ACS Applied Materials & Interfaces, 2016, 8, 29298-29309.	4.0	55
86	Flexible Microsupercapacitors Using Silk and Cotton Substrates. ACS Applied Materials & Interfaces, 2016, 8, 29504-29510.	4.0	34
87	Artificial Spores: Cytocompatible Coating of Living Cells with Plantâ€Derived Pyrogallol. Chemistry - an Asian Journal, 2016, 11, 3183-3187.	1.7	25
88	Shape-dependent cellular behaviors and relaxivity of iron oxide-based T₁MRI contrast agents. Nanoscale, 2016, 8, 17506-17515.	2.8	40
89	Hydrophilic modification of PVDF porous membrane via a simple dip-coating method in plant tannin solution. RSC Advances, 2016, 6, 71287-71294.	1.7	48
90	Antifouling membranes for sustainable water purification: strategies and mechanisms. Chemical Society Reviews, 2016, 45, 5888-5924.	18.7	977
91	Oxidation-induced surface deposition of tannic acid: towards molecular gates on porous nanocarriers for acid-responsive drug delivery. RSC Advances, 2016, 6, 76473-76481.	1.7	18

#	Article	IF	Citations
92	Deposition Kinetics of Bioinspired Phenolic Coatings on Titanium Surfaces. Langmuir, 2016, 32, 8050-8060.	1.6	76
93	Bio-inspired natural polyphenol cross-linking poly(vinyl alcohol) films with strong integrated strength and toughness. RSC Advances, 2016, 6, 69966-69972.	1.7	54
94	Release properties of tannic acid from hydrogen bond driven antioxidative cellulose nanofibrous films. International Journal of Biological Macromolecules, 2016, 91, 68-74.	3.6	44
95	Hydrothermal Synthesis of Metalâ€“Polyphenol Coordination Crystals and Their Derived Metal/Nâ€doped Carbon Composites for Oxygen Electrocatalysis. Angewandte Chemie, 2016, 128, 12658-12662.	1.6	42
96	Hydrothermal Synthesis of Metalâ€“Polyphenol Coordination Crystals and Their Derived Metal/Nâ€doped Carbon Composites for Oxygen Electrocatalysis. Angewandte Chemie - International Edition, 2016, 55, 12470-12474.	7.2	178
97	Surface Modification of Aramid Fibers by Catechol/Polyamine Codeposition Followed by Silane Grafting for Enhanced Interfacial Adhesion to Rubber Matrix. Industrial & Engineering Chemistry Research, 2016, 55, 12547-12556.	1.8	89
98	Electrochemical reduction of gaseous CO 2 with a catechol and polyethyleneimine co-deposited polypropylene membrane. Electrochemistry Communications, 2016, 71, 1-4.	2.3	10
99	Preparing magnetic multicomponent catalysts via a bio-inspired assembly for heterogeneous reactions. RSC Advances, 2016, 6, 69909-69918.	1.7	4
100	Polyphenol Coating as an Interlayer for Thin-Film Composite Membranes with Enhanced Nanofiltration Performance. ACS Applied Materials & Interfaces, 2016, 8, 32512-32519.	4.0	206
101	Bio-based polycarbonate as synthetic toolbox. Nature Communications, 2016, 7, 11862.	5.8	214
102	Tannic Acid-Mediated Surface Functionalization of Polymeric Nanoparticles. ACS Biomaterials Science and Engineering, 2016, 2, 2294-2303.	2.6	104
103	Paper-based triboelectric nanogenerators and their application in self-powered anticorrosion and antifouling. Journal of Materials Chemistry A, 2016, 4, 18022-18030.	5.2	84
104	Coordination-driven multilayer of phosvitin-polyphenol functional nanofibrous membranes: antioxidant and biomineralization applications for tissue engineering. RSC Advances, 2016, 6, 98935-98944.	1.7	5
105	Nanoscale Polydopamine (PDA) Meets Ï€â€“Ï€ Interactions: An Interface-Directed Coassembly Approach for Mesoporous Nanoparticles. Langmuir, 2016, 32, 12119-12128.	1.6	160
106	Biomimetic Adhesives and Coatings Based on Mussel Adhesive Proteins. , 2016, , 345-378.		9
107	Synthesis of Plant Phenol-derived Polymeric Dyes for Direct or Mordant-based Hair Dyeing. Journal of Visualized Experiments, 2016, , .	0.2	5
108	Nanomechanics of Poly(catecholamine) Coatings in Aqueous Solutions. Angewandte Chemie, 2016, 128, 3403-3407.	1.6	15
109	Positively charged nanofiltration membranes via economically mussel-substance-simulated co-deposition for textile wastewater treatment. Chemical Engineering Journal, 2016, 303, 555-564.	6.6	297

#	Article	IF	Citations
110	Biomimetic polyphenol coatings for antioxidant active packaging applications. Colloids and Interface Science Communications, 2016, 13, 10-13.	2.0	25
111	Antioxidant and Adsorption Properties of Bioinspired Phenolic Polymers: A Comparative Study of Catechol and Gallol. ACS Sustainable Chemistry and Engineering, 2016, 4, 3857-3863.	3.2	78
112	Thiol Reactive Maleimido-Containing Tannic Acid for the Bioinspired Surface Anchoring and Post-Functionalization of Antifouling Coatings. ACS Sustainable Chemistry and Engineering, 2016, 4, 4264-4272.	3.2	39
113	Single-Step Assembly of Multifunctional Poly(tannic acid)â€“Graphene Oxide Coating To Reduce Biofouling of Forward Osmosis Membranes. ACS Applied Materials & Interfaces, 2016, 8, 17519-17528.	4.0	66
114	Catechinâ€Modified Polylactide Stereocomplex at Chain End Improved Antibiobacterial Property. Macromolecular Bioscience, 2016, 16, 694-704.	2.1	19
115	Astringent Mouthfeel as a Consequence of Lubrication Failure. Angewandte Chemie, 2016, 128, 5887-5891.	1.6	16
116	A Versatile Ironâ€“Tanninâ€Framework Ink Coating Strategy to Fabricate Biomassâ€Derived Iron Carbide/Feâ€Nâ€Carbon Catalysts for Efficient Oxygen Reduction. Angewandte Chemie - International Edition, 2016, 55, 1355-1359.	7.2	216
117	Bioactive glass coupling with natural polyphenols: Surface modification, bioactivity and anti-oxidant ability. Applied Surface Science, 2016, 367, 237-248.	3.1	53
118	Ag Nanoparticle/Polydopamine-Coated Inverse Opals as Highly Efficient Catalytic Membranes. ACS Applied Materials & Interfaces, 2016, 8, 3250-3257.	4.0	64
119	Facile one-pot assembly of adhesive phenol/Fe^{III}/PEI complexes for preparing magnetic hybrid microcapsules. New Journal of Chemistry, 2016, 40, 781-788.	1.4	14
120	Deposition kinetics and electrochemical properties of tannic acid on gold and silica. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 491, 12-17.	2.3	24
121	Facile immobilization of vascular endothelial growth factor on a tannic acid-functionalized plasma-polymerized allylamine coating rich in quinone groups. RSC Advances, 2016, 6, 17188-17195.	1.7	23
122	Versatile surface engineering of porous nanomaterials with bioinspired polyphenol coatings for targeted and controlled drug delivery. Nanoscale, 2016, 8, 8600-8606.	2.8	78
123	Dihydroxynaphthaleneâ€based mimicry of fungal melanogenesis for multifunctional coatings. Microbial Biotechnology, 2016, 9, 305-315.	2.0	14
124	Single-molecule interaction force measurements of catechol analog monomers and synthesis of adhesive polymer using the results. Polymer Journal, 2016, 48, 715-721.	1.3	10
125	Antifouling Coatings via Tethering of Hyperbranched Polyglycerols on Biomimetic Anchors. Industrial & Engineering Chemistry Research, 2016, 55, 1890-1901.	1.8	42
126	Tannic acid anchored layer-by-layer covalent deposition of parasin I peptide for antifouling and antimicrobial coatings. RSC Advances, 2016, 6, 14809-14818.	1.7	53
127	Biomimetic Preparation of Hybrid Porous Adsorbents for Efficiently Purifying Complex Wastewater. ACS Sustainable Chemistry and Engineering, 2016, 4, 992-998.	3.2	24

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128	Superhydrophobic Particles Derived from Nature-Inspired Polyphenol Chemistry for Liquid Marble Formation and Oil Spills Treatment. ACS Sustainable Chemistry and Engineering, 2016, 4, 676-681.	3.2	62
129	Silica-assisted incorporation of polydopamine into the framework of porous nanocarriers by a facile one-pot synthesis. Journal of Materials Chemistry B, 2016, 4, 2435-2443.	2.9	51
130	Poly(vinyl alcohol) nanocomposites containing reduced graphene oxide coated with tannic acid for humidity sensor. Polymer, 2016, 84, 89-98.	1.8	73
131	A General, Green Chemistry Approach for Immobilization of Inorganic Catalysts in Monolithic Porous Flow-Reactors. ACS Sustainable Chemistry and Engineering, 2016, 4, 1602-1610.	3.2	20
132	Multifunctional Polyphenols- and Catecholamines-Based Self-Defensive Films for Health Care Applications. ACS Applied Materials & Interfaces, 2016, 8, 1220-1232.	4.0	68
133	Co-deposition of tannic acid and diethlyenetriamine for surface hydrophilization of hydrophobic polymer membranes. Applied Surface Science, 2016, 360, 291-297.	3.1	74
134	Hydrophobized plant polyphenols: self-assembly and promising antibacterial, adhesive, and anticorrosion coatings. Chemical Communications, 2016, 52, 312-315.	2.2	49
135	Construction of enzyme immobilization system through metal-polyphenol assisted Fe3O4/chitosan hybrid microcapsules. Chemical Engineering Journal, 2016, 283, 397-403.	6.6	52
136	Co-polymerization of catechol and polyethylenimine on magnetic nanoparticles for efficient selective removal of anionic dyes from water. Powder Technology, 2017, 310, 24-34.	2.1	74
137	Biocatalytic Self-Assembly Using Reversible and Irreversible Enzyme Immobilization. ACS Applied Materials & Interfaces, 2017, 9, 3266-3271.	4.0	40
138	Elastic Compressible Energy Storage Devices from Ice Templated Polymer Gels treated with Polyphenols. Journal of Physical Chemistry C, 2017, 121, 3270-3278.	1.5	20
139	Spherically aggregated Cu‹sub›2‹/sub›Oâ€“TA hybrid sub-microparticles with modulated size and improved chemical stability. CrystEngComm, 2017, 19, 1888-1895.	1.3	13
140	Multifunctional Thin Films and Coatings from Caffeic Acid and a Cross-Linking Diamine. Langmuir, 2017, 33, 2096-2102.	1.6	41
141	Controlled Fabrication of Functional Capsules Based on the Synergistic Interaction between Polyphenols and MOFs under Weak Basic Condition. ACS Applied Materials & Interfaces, 2017, 9, 14258-14264.	4.0	37
142	UVâ€Triggered Polymerization, Deposition, and Patterning of Plant Phenolic Compounds. Advanced Functional Materials, 2017, 27, 1700127.	7.8	111
143	Selective biomolecular separation system inspired by the nuclear pore complex and nuclear transport. Molecular Systems Design and Engineering, 2017, 2, 149-158.	1.7	11
144	One-Pot Water-Based Hydrophobic Surface Modification of Cellulose Nanocrystals Using Plant Polyphenols. ACS Sustainable Chemistry and Engineering, 2017, 5, 5018-5026.	3.2	171
145	Bio-inspired Ni‹sup›2+‹/sup›-polyphenol hydrophilic network to achieve unconventional high-flux nanofiltration membranes for environmental remediation. Chemical Communications, 2017, 53, 6128-6131.	2.2	84

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146	A Facile Strategy to Prepare an Enzyme-Responsive Mussel Mimetic Coating for Drug Delivery Based on Mesoporous Silica Nanoparticles. Langmuir, 2017, 33, 5511-5518.	1.6	20
147	Fabrication of hydrophobic cotton fabrics inspired by polyphenol chemistry. Cellulose, 2017, 24, 2635-2646.	2.4	45
148	Plant Flavonoid-Mediated Multifunctional Surface Modification Chemistry: Catechin Coating for Enhanced Osteogenesis of Human Stem Cells. Chemistry of Materials, 2017, 29, 4375-4384.	3.2	56
149	Oxidative polymerization of catecholamines: structural access by high-resolution mass spectrometry. Polymer Chemistry, 2017, 8, 3050-3055.	1.9	20
150	Simulating the protective role of bark proanthocyanidins in surface coatings: Unexpected beneficial photo-stabilisation of exposed timber surfaces. Progress in Organic Coatings, 2017, 110, 55-61.	1.9	19
151	Controlled carbon coating of Fe 2 O 3 nanotube with tannic acid: A bio-inspired approach toward high performance lithium-ion battery anode. Journal of Alloys and Compounds, 2017, 719, 347-352.	2.8	28
152	Tea polyphenol-inspired tannic acid-treated polypropylene membrane as a stable separator for lithiumâ€“oxygen batteries. Journal of Materials Chemistry A, 2017, 5, 12782-12786.	5.2	34
153	Signalâ€induced Release of Guests from a Photolatent Metalâ€“Phenolic Supramolecular Cage and Its Hybrid Assemblies. Angewandte Chemie - International Edition, 2017, 56, 5485-5489.	7.2	45
154	Signalâ€induced Release of Guests from a Photolatent Metalâ€“Phenolic Supramolecular Cage and Its Hybrid Assemblies. Angewandte Chemie, 2017, 129, 5577-5581.	1.6	6
155	Formation of Turmeric-Based Thin Films: Universal, Transparent Coatings. Langmuir, 2017, 33, 3639-3646.	1.6	16
156	Adhesive Prebiotic Chemistry Inspired Coatings for Bone Contacting Applications. ACS Biomaterials Science and Engineering, 2017, 3, 793-806.	2.6	30
157	Tannin-inspired superhydrophilic and underwater superoleophobic polypropylene membrane for effective oil/water emulsions separation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 522, 585-592.	2.3	83
158	Tea Stains-Inspired Antifouling Coatings Based on Tannic Acid-Functionalized Agarose. ACS Sustainable Chemistry and Engineering, 2017, 5, 3055-3062.	3.2	37
159	Direct Synthesis of Ultrasmall Ruthenium Nanoparticles on Porous Supports Using Natural Sources for Highly Efficient and Selective Furfural Hydrogenation. ChemCatChem, 2017, 9, 2448-2452.	1.8	25
160	Bioactive glasses functionalized with polyphenols: in vitro interactions with healthy and cancerous osteoblast cells. Journal of Materials Science, 2017, 52, 9211-9223.	1.7	26
161	Ultrathin Monomolecular Films and Robust Assemblies Based on Cyclic Catechols. Langmuir, 2017, 33, 670-679.	1.6	9
162	Metal-phenolic networks as a versatile platform to engineer nanomaterials and biointerfaces. Nano Today, 2017, 12, 136-148.	6.2	411
163	Biofunctional metalâ€“phenolic films from dietary flavonoids. Chemical Communications, 2017, 53, 1068-1071.	2.2	59

#	Article	IF	Citations
164	Revealing the formation mechanism of insoluble polydopamine by using a simplified model system. Polymer Chemistry, 2017, 8, 860-864.	1.9	71
165	A catechol-based biomimetic strategy combined with surface mineralization to enhance hydrophilicity and anti-fouling property of PTFE flat membrane. Journal of Membrane Science, 2017, 524, 409-418.	4.1	80
166	Catechol Redox Reaction: Reactive Oxygen Species Generation, Regulation, and Biomedical Applications. ACS Symposium Series, 2017, , 179-196.	0.5	13
167	Aesthetically improved and efficient tanninâ€“metal chelates for the treatment of dentinal hypersensitivity. RSC Advances, 2017, 7, 87-94.	1.7	10
168	Bioinspired Peptide-Decorated Tannic Acid for in Situ Remineralization of Tooth Enamel: In Vitro and in Vivo Evaluation. ACS Biomaterials Science and Engineering, 2017, 3, 3553-3562.	2.6	24
169	Gallol-Rich Hyaluronic Acid Hydrogels: Shear-Thinning, Protein Accumulation against Concentration Gradients, and Degradation-Resistant Properties. Chemistry of Materials, 2017, 29, 8211-8220.	3.2	70
170	Galloyl groups-regulated fibrinogen conformation: Understanding antiplatelet adhesion on tannic acid coating. Acta Biomaterialia, 2017, 64, 187-199.	4.1	43
171	Facile Oriented Immobilization of Histidine-Tagged Proteins on Nonfouling Cobalt Polyphenolic Self-Assembly Surfaces. ACS Biomaterials Science and Engineering, 2017, 3, 3328-3337.	2.6	14
172	Universal Nature-Inspired Coatings for Preparing Noncharging Surfaces. ACS Applied Materials & Interfaces, 2017, 9, 32220-32226.	4.0	25
173	Paper Sensor Coated with a Poly(carboxybetaine)-Multiple DOPA Conjugate via Dip-Coating for Biosensing in Complex Media. Analytical Chemistry, 2017, 89, 10999-11004.	3.2	49
174	Versatile Surface Modification Using Polydopamine and Related Polycatecholamines: Chemistry, Structure, and Applications. Advanced Materials Interfaces, 2017, 4, 1601192.	1.9	266
175	Antimicrobial membrane surfaces via efficient polyethyleneimine immobilization and cationization. Applied Surface Science, 2017, 426, 972-979.	3.1	55
176	Codeposition of catecholâ€“polyethyleneimine followed by interfacial polymerization for nanofiltration membranes with enhanced stability. Journal of Applied Polymer Science, 2017, 134, 45422.	1.3	31
177	Tetramer as efficient structural mode for organizing antioxidative carboxylic acids: The case in inhibiting DNA oxidation. Archives of Biochemistry and Biophysics, 2017, 631, 1-10.	1.4	4
179	A Metalâ€“Polyphenol Network Coated Nanotheranostic System for Metastatic Tumor Treatments. Small, 2017, 13, 1702714.	5.2	56
180	Bio-inspired, fouling resistant, tannic acid functionalized halloysite nanotube reinforced polysulfone loose nanofiltration hollow fiber membranes for efficient dye and salt separation. Journal of Water Process Engineering, 2017, 20, 138-148.	2.6	53
181	Electrotriggered Confined Self-assembly of Metalâ€“Polyphenol Nanocoatings Using a Morphogenic Approach. Chemistry of Materials, 2017, 29, 9668-9679.	3.2	65
182	Large anion incorporation to improve the performance of large, paper based conducting polymer supercapacitors. Materials Today Energy, 2017, 5, 112-117.	2.5	8

#	Article	IF	Citations
183	Perspectives on Mussel-Inspired Wet Adhesion. Journal of the American Chemical Society, 2017, 139, 10166-10171.	6.6	309
184	Iron-tannin-framework complex modified PES ultrafiltration membranes with enhanced filtration performance and fouling resistance. Journal of Colloid and Interface Science, 2017, 505, 642-652.	5.0	67
185	Nanoengineering Particles through Template Assembly. Chemistry of Materials, 2017, 29, 289-306.	3.2	76
186	A loose nano-filtration membrane prepared by coating HPAN UF membrane with modified PEI for dye reuse and desalination. Journal of Membrane Science, 2017, 524, 214-224.	4.1	235
187	In vitro corrosion behaviour of phenolic coated nickel-titanium surfaces. Biosurface and Biotribology, 2017, , .	0.6	0
188	Phenolic Modified Ceramic Coating on Biodegradable Mg Alloy: The Improved Corrosion Resistance and Osteoblast-Like Cell Activity. Materials, 2017, 10, 696.	1.3	25
189	Tailoring stimuli-responsive delivery system driven by metal–ligand coordination bonding. International Journal of Nanomedicine, 2017, Volume 12, 3315-3330.	3.3	15
190	Coordination-Driven Controlled Assembly of Polyphenol-Metal Green Coating on Wood Micro-Grooved Surfaces: A Novel Approach to Stable Superhydrophobicity. Polymers, 2017, 9, 347.	2.0	8
191	Development of Room Temperature Curable Natural Polyphenols-Based Hybrid Epoxy Polymers. Journal of Fiber Science and Technology, 2017, 73, 192-201.	0.2	2
192	Versatile Surface Functionalization of Metalâ€“Organic Frameworks through Direct Metal Coordination with a Phenolic Lipid Enables Diverse Applications. Advanced Functional Materials, 2018, 28, 1705274.	7.8	90
193	Fabrication of high flux nanofiltration membrane via hydrogen bonding based co-deposition of polydopamine with poly(vinyl alcohol). Journal of Membrane Science, 2018, 552, 222-233.	4.1	53
194	Polydopamine Surface Chemistry: A Decade of Discovery. ACS Applied Materials & Interfaces, 2018, 10, 7523-7540.	4.0	1,232
195	Phenolic Pyrogallol Fluorogen for Red Fluorescence Development in a PAS Domain Protein. Chemistry of Materials, 2018, 30, 1467-1471.	3.2	5
196	Bioinspired Strategy for Controlled Polymerization and Photopatterning of Plant Polyphenols. Chemistry of Materials, 2018, 30, 1937-1946.	3.2	30
197	Endolysosomalâ€Escape Nanovaccines through Adjuvantâ€Induced Tumor Antigen Assembly for Enhanced Effector CD8‹sup›+‹/sup› T Cell Activation. Small, 2018, 14, e1703539.	5.2	38
198	Engineering Nitroxide Functional Surfaces Using Bioinspired Adhesion. Langmuir, 2018, 34, 3264-3274.	1.6	21
199	Development of Freezeâ€resistant Aluminum Surfaces by Tannic Acid Coating and Subsequent Immobilization of Antifreeze Proteins. Bulletin of the Korean Chemical Society, 2018, 39, 559-562.	1.0	5
200	Physical and oxidative stability of functional avocado oil high internal phase emulsions collaborative formulated using citrus nanofibers and tannic acid. Food Hydrocolloids, 2018, 82, 248-257.	5.6	52

#	Article	IF	Citations
201	Facile and Robust Anchoring of CaCO₃ Crystals on Solid Substrates by Tannic Acid Coating. Bulletin of the Korean Chemical Society, 2018, 39, 691-694.	1.0	0
202	Chitosan-catechol: a writable bioink under serum culture media. Biomaterials Science, 2018, 6, 1040-1047.	2.6	63
203	Strategic Advances in Formation of Cellâ€inâ€Shell Structures: From Syntheses to Applications. Advanced Materials, 2018, 30, e1706063.	11.1	102
204	Robust superhydrophobic surface by nature-inspired polyphenol chemistry for effective oil-water separation. Applied Surface Science, 2018, 440, 535-546.	3.1	51
205	Antifouling membrane surface construction: Chemistry plays a critical role. Journal of Membrane Science, 2018, 551, 145-171.	4.1	309
206	Diazonium-functionalized thin films from the spontaneous reaction of p-phenylenebis(diazonium) salts. RSC Advances, 2018, 8, 6690-6698.	1.7	9
207	One-step transformation of highly hydrophobic membranes into superhydrophilic and underwater superoleophobic ones for high-efficiency separation of oil-in-water emulsions. Journal of Materials Chemistry A, 2018, 6, 3391-3396.	5.2	257
208	Applications Using the Metal Affinity of Polyphenols with Mussel-Inspired Chemistry. Macromolecular Research, 2018, 26, 93-99.	1.0	13
209	Fast assemble of polyphenol derived coatings on polypropylene separator for high performance lithium-ion batteries. Journal of Electroanalytical Chemistry, 2018, 808, 252-258.	1.9	51
210	Dopamine: Just the Right Medicine for Membranes. Advanced Functional Materials, 2018, 28, 1705327.	7.8	222
211	Bio-inspired redox-cycling antimicrobial film for sustained generation of reactive oxygen species. Biomaterials, 2018, 162, 109-122.	5.7	72
212	Gallol-containing homopolymers and block copolymers: ROMP synthesis and gelation properties by metal-coordination and oxidation. Polymer, 2018, 143, 212-227.	1.8	23
213	Fabrication of 3D porous superhydrophobic sponges using plant polyphenol-Fe3+ complexes as adhesive and their applications in oil/water separation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 551, 9-16.	2.3	33
214	Targeting protein and peptide therapeutics to the heart via tannic acid modification. Nature Biomedical Engineering, 2018, 2, 304-317.	11.6	202
215	Effect of polyphenol-polyamine treated polyethylene separator on the ionic conduction and interface properties for lithium-metal anode batteries. Journal of Electroanalytical Chemistry, 2018, 816, 68-74.	1.9	52
216	Development of tannin-inspired antimicrobial bioadhesives. Acta Biomaterialia, 2018, 72, 35-44.	4.1	213
217	Morin-based nanofiltration membranes for organic solvent separation processes. Journal of Membrane Science, 2018, 554, 1-5.	4.1	34
218	Multiligand Metalâ€“Phenolic Assembly from Green Tea Infusions. ACS Applied Materials & Interfaces, 2018, 10, 7632-7639.	4.0	60

#	Article	IF	Citations
219	Universal oneâ€pot, oneâ€step synthesis of coreâ€“shell nanocomposites with selfâ€assembled tannic acid shell and their antibacterial and catalytic activities. Journal of Applied Polymer Science, 2018, 135, 45829.	1.3	9
220	Synthesis of Metal Nanoparticles in Metalâ€Phenolic Networks: Catalytic and Antimicrobial Applications of Coated Textiles. Advanced Healthcare Materials, 2018, 7, 1700934.	3.9	55
221	Mussel inspired polymerized P(TA-TETA) for facile functionalization of carbon nanotube. Applied Surface Science, 2018, 433, 94-100.	3.1	23
222	Fabrication of silver nanoparticle sponge leather with durable antibacterial property. Journal of Colloid and Interface Science, 2018, 514, 338-348.	5.0	59
223	High Strength Astringent Hydrogels Using Protein as the Building Block for Physically Cross-linked Multi-Network. ACS Applied Materials & Interfaces, 2018, 10, 7593-7601.	4.0	103
224	Mussel-Inspired Self-Healing Double-Cross-Linked Hydrogels by Controlled Combination of Metal Coordination and Covalent Cross-Linking. Biomacromolecules, 2018, 19, 1402-1409.	2.6	95
225	Highly sensitive naked eye detection of Iron (III) and H2O2 using poly-(tannic acid) (PTA) coated Au nanocomposite. Sensors and Actuators B: Chemical, 2018, 259, 155-161.	4.0	17
226	Designing Multifunctional Coatings for Cost-Effectively Sustainable Water Remediation. ACS Sustainable Chemistry and Engineering, 2018, 6, 1881-1890.	3.2	50
227	Multilayered films made from tannic acid and alkaline phosphatase with enzymatic activity and electrochemical behavior. Journal of Colloid and Interface Science, 2018, 512, 722-729.	5.0	18
228	Fabrication of advanced nanofiltration membranes with nanostrand hybrid morphology mediated by ultrafast Noriaâ€“polyethyleneimine codeposition. Journal of Materials Chemistry A, 2018, 6, 21207-21215.	5.2	105
229	Assembly of Metalâ€“Phenolic/Catecholamine Networks for Synergistically Anti-Inflammatory, Antimicrobial, and Anticoagulant Coatings. ACS Applied Materials & Interfaces, 2018, 10, 40844-40853.	4.0	104
230	Polyphenol-Assisted Exfoliation of Transition Metal Dichalcogenides into Nanosheets as Photothermal Nanocarriers for Enhanced Antibiofilm Activity. ACS Nano, 2018, 12, 12347-12356.	7.3	147
231	Spray Assembly of Metalâ€“Phenolic Networks: Formation, Growth, and Applications. ACS Applied Materials & Interfaces, 2018, 10, 33721-33729.	4.0	92
232	Salt-Induced, Continuous Deposition of Supramolecular Iron(III)â€“Tannic Acid Complex. Langmuir, 2018, 34, 12318-12323.	1.6	27
233	Synthesis and Biomedical Applications of Self-healing Hydrogels. Frontiers in Chemistry, 2018, 6, 449.	1.8	158
234	Iron Gall Ink Revisited: In Situ Oxidation of Fe(II)â€“Tannin Complex for Fluidicâ€Interface Engineering. Advanced Materials, 2018, 30, e1805091.	11.1	65
235	Highly Active Protein Surfaces Enabled by Plant-Based Polyphenol Coatings. ACS Applied Materials & Interfaces, 2018, 10, 39353-39362.	4.0	21
236	Continuous Surface Polymerization via Fe(II)â€Mediated Redox Reaction for Thick Hydrogel Coatings on Versatile Substrates. Advanced Materials, 2018, 30, e1803371.	11.1	84

#	Article	IF	Citations
237	Natural Polyphenol Surfactants: Solvent-Mediated Spherical Nanocontainers and Their Stimuli-Responsive Release of Molecular Payloads. Chemistry of Materials, 2018, 30, 8025-8033.	3.2	11
238	Dynamic Nitroxide Functional Materials. Chemistry - A European Journal, 2018, 24, 18873-18879.	1.7	6
239	Surface Functionalization and Patterning by Multifunctional Resorcinarenes. ACS Applied Materials & Interfaces, 2018, 10, 39268-39278.	4.0	14
240	Natural polyphenols as versatile platforms for material engineering and surface functionalization. Progress in Polymer Science, 2018, 87, 165-196.	11.8	225
241	Hot electron transfer promotes ion production in plasmonic metal nanostructure assisted laser desorption ionization mass spectrometry. Chemical Communications, 2018, 54, 10905-10908.	2.2	44
242	An active oxygen reduction electrocatalyst derived from bio-inspired tannic acid-Fe assembly. Materials Research Express, 2018, 5, 095505.	0.8	1
243	Surface modified halloysite nanotubes: A flexible interface for biological, environmental and catalytic applications. Advances in Colloid and Interface Science, 2018, 261, 82-101.	7.0	154
244	Electrochemical deposition of aminomalonitrile based films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 552, 124-129.	2.3	15
245	g-C₃N₄@Î±-Fe₂O₃/C Photocatalysts: Synergistically Intensified Charge Generation and Charge Transfer for NADH Regeneration. ACS Catalysis, 2018, 8, 5664-5674.	5.5	165
246	Enzymatic film formation of nature-derived phenolic amines. Nanoscale, 2018, 10, 13351-13355.	2.8	29
247	Biomimetic Chemistry at Interfaces. Interface Science and Technology, 2018, 21, 367-404.	1.6	3
248	Silk Cocoon as Counter â€•Electrode Substrate in Dye â€•Sensitized Solar Cells. ChemistrySelect, 2018, 3, 7195-7199.	0.7	5
249	Tannic acid encountering ovalbumin: a green and mild strategy for superhydrophilic and underwater superoleophobic modification of various hydrophobic membranes for oil/water separation. Journal of Materials Chemistry A, 2018, 6, 13959-13967.	5.2	107
250	Plant-inspired gallolamine catalytic surface chemistry for engineering an efficient nitric oxide generating coating. Acta Biomaterialia, 2018, 76, 89-98.	4.1	22
251	Injectable dynamic covalent hydrogels of boronic acid polymers cross-linked by bioactive plant-derived polyphenols. Biomaterials Science, 2018, 6, 2487-2495.	2.6	72
252	Green Tea Polyphenols Coupled with a Bioactive Titanium Alloy Surface: In Vitro Characterization of Osteoinductive Behavior through a KUSA A1 Cell Study. International Journal of Molecular Sciences, 2018, 19, 2255.	1.8	28
253	Universal Nature-Inspired and Amine-Promoted Metallization for Flexible Electronics and Supercapacitors. ACS Applied Materials & Interfaces, 2018, 10, 28963-28970.	4.0	18
254	Tanninâ€“Titanium Oxide Multilayer as a Photochemically Suppressed Ultraviolet Filter. ACS Applied Materials & Interfaces, 2018, 10, 27344-27354.	4.0	32

#	Article	IF	Citations
255	Recent Developments in Tough Hydrogels for Biomedical Applications. Gels, 2018, 4, 46.	2.1	85
256	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
257	Multi-scale pectin/polyphenol beads for non-fouling fluorescence tracking on soft matter under water. Carbohydrate Polymers, 2018, 199, 186-192.	5.1	0
258	Metal-Phenolic Surfaces for Generating Therapeutic Nitric Oxide Gas. Chemistry of Materials, 2018, 30, 5220-5226.	3.2	64
259	Degradable Natural Lacquer (Urushi) Adhesives Using a Reversible Polymer Based on Hemiaminal Dynamic Covalent Networks. ChemistrySelect, 2018, 3, 6665-6670.	0.7	5
260	Enhanced Antibacterial Activity of Curcumin by Combination With Metal Ions. Colloids and Interface Science Communications, 2018, 25, 1-6.	2.0	41
261	Bio-Inspired Underwater Super Oil-Repellent Coatings for Anti-Oil Pollution. Langmuir, 2018, 34, 6063-6069.	1.6	21
262	Surface characteristics and antimicrobial properties of modified catheter surfaces by polypyrogallol and metal ions. Materials Science and Engineering C, 2018, 90, 673-684.	3.8	21
263	Novel Nutraceutical Compounds. , 2018, , 201-226.		2
264	Biomimetic Silicification on Membrane Surface for Highly Efficient Treatments of Both Oil-in-Water Emulsion and Protein Wastewater. ACS Applied Materials & Interfaces, 2018, 10, 29982-29991.	4.0	101
265	Facile synthesis and surface modification of bioinspired nanoparticles from quercetin for drug delivery. Biomaterials Science, 2018, 6, 2656-2666.	2.6	31
266	Biomimetic Anchors for Antifouling and Antibacterial Polymeric Coatings. ACS Symposium Series, 2018, , 233-261.	0.5	1
267	Highly transparent thermoresponsive surfaces based on teaâ€stainâ€inspired chemistry. Journal of Applied Polymer Science, 2018, 135, 46694.	1.3	1
268	A Chemical Method for Specific Capture of Circulating Tumor Cells Using Label-Free Polyphenol-Functionalized Films. Chemistry of Materials, 2018, 30, 4372-4382.	3.2	35
269	Polyphenols at interfaces. Advances in Colloid and Interface Science, 2018, 257, 31-41.	7.0	62
270	Engineering Multifunctional Coatings on Nanoparticles Based on Oxidative Coupling Assembly of Polyphenols for Stimuli-Responsive Drug Delivery. Journal of Agricultural and Food Chemistry, 2018, 66, 6897-6905.	2.4	20
271	Quantitative Assessment of Nanoparticle Biodistribution by Fluorescence Imaging, Revisited. ACS Nano, 2018, 12, 6458-6468.	7.3	123
272	Synthesis and properties of UV-curable cardanol-based acrylate oligomers with cyclotriphosphazene core. Journal of Coatings Technology Research, 2019, 16, 179-188.	1.2	11

#	Article	IF	Citations
273	Plantâ€Inspired Pyrogallolâ€Containing Functional Materials. Advanced Functional Materials, 2019, 29, 1903022.	7.8	132
274	Supramolecular design and applications of polyphenol-based architecture: A review. Advances in Colloid and Interface Science, 2019, 272, 102019.	7.0	46
275	Probing the Interaction Forces of Phenol/Amine Deposition in Wet Adhesion: Impact of Phenol/Amine Mass Ratio and Surface Properties. Langmuir, 2019, 35, 15639-15650.	1.6	12
276	Artificial humification of lignin architecture: Top-down and bottom-up approaches. Biotechnology Advances, 2019, 37, 107416.	6.0	46
277	Deposition of Aminomalononitrile-Based Films: Kinetics, Chemistry, and Morphology. Langmuir, 2019, 35, 9896-9903.	1.6	26
278	Enhanced Adhesion and Cohesion of Bioinspired Dry/Wet Pressure-Sensitive Adhesives. ACS Applied Materials & Interfaces, 2019, 11, 28296-28306.	4.0	92
279	Biomimetic hydrophilization engineering on membrane surface for highly-efficient water purification. Journal of Membrane Science, 2019, 589, 117223.	4.1	90
280	Mussel-Inspired pH-Switched Assembly of Capsules with an Ultrathin and Robust Nanoshell. ACS Applied Materials & Interfaces, 2019, 11, 28228-28235.	4.0	12
281	Mussel-Inspired Surface Engineering for Water-Remediation Materials. Matter, 2019, 1, 115-155.	5.0	301
282	Advancing Metalâ€“Phenolic Networks for Visual Information Storage. ACS Applied Materials & Interfaces, 2019, 11, 29305-29311.	4.0	43
283	Use of Polyphenol Tannic Acid to Functionalize Titanium with Strontium for Enhancement of Osteoblast Differentiation and Reduction of Osteoclast Activity. Polymers, 2019, 11, 1256.	2.0	23
284	Electrodeposition from Tannic acid-polyamine blends at pHâ€¯=â€¯5.0 is due to aggregate deposition and oxidation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 578, 123530.	2.3	4
285	Fabrication of Hybrid Hydrogels from Silk Fibroin and Tannic Acid with Enhanced Gelation and Antibacterial Activities. ACS Biomaterials Science and Engineering, 2019, 5, 4601-4611.	2.6	106
286	Competitive self-assembly driven as a route to control the morphology of poly(tannic acid) assemblies. Nanoscale, 2019, 11, 4751-4758.	2.8	33
287	Effect of tannic acid on blood components and functions. Colloids and Surfaces B: Biointerfaces, 2019, 184, 110505.	2.5	29
288	Bionic Tea Stainâ€“Like, Allâ€Nanoparticle Coating for Biocompatible Corrosion Protection. Advanced Materials Interfaces, 2019, 6, 1900899.	1.9	20
289	One-pot synthesis of multi-functional and environmental friendly tannic acid polymer with Fe3+ and formaldehyde as double crosslinking agents for selective removal of cation pollutants. Environmental Science and Pollution Research, 2019, 26, 31834-31845.	2.7	14
290	Inspired by Grape Seed and Wine: Tannic Acid as a Modified Coating for Fabricating Highly Flexible, Transparent and Conductive Film. Chemical Research in Chinese Universities, 2019, 35, 945-950.	1.3	2

#	Article	IF	Citations
291	Acid-induced Control of Surface Properties Using a Catecholic Silane Coupling Reagent. Chemistry Letters, 2019, 48, 551-554.	0.7	4
292	Valorization of Carob Fruit Residues for the Preparation of Novel Bi-Functional Polyphenolic Coating for Food Packaging Applications. Molecules, 2019, 24, 3162.	1.7	11
293	A fluoroimmunodiagnostic nanoplatform for thyroglobulin detection based on fluorescence quenching signal. Sensors and Actuators B: Chemical, 2019, 300, 127052.	4.0	15
294	Telechelic poly(2-oxazoline)s. European Polymer Journal, 2019, 121, 109281.	2.6	38
295	The effect of the dispersion of microfibrillated cellulose on the mechanical properties of melt-compounded polypropyleneâ€“polyethylene copolymer. Cellulose, 2019, 26, 9645-9659.	2.4	22
296	Surface-Initiated ARGET ATRP of Antifouling Zwitterionic Brushes Using Versatile and Uniform Initiator Film. Langmuir, 2019, 35, 13268-13274.	1.6	24
297	Charge-Switchable Polymeric Coating Kills Bacteria and Prevents Biofilm Formation in Vivo. ACS Applied Materials & Interfaces, 2019, 11, 39150-39162.	4.0	52
298	A bio-inspired, one-step but versatile coating onto various substrates with strong antibacterial and enhanced osteogenesis. Chemical Communications, 2019, 55, 2058-2061.	2.2	10
299	Tailoring the Performance of Organic Solvent Nanofiltration Membranes with Biophenol Coatings. ACS Applied Polymer Materials, 2019, 1, 452-460.	2.0	61
300	Camouflaging Nanoparticles for Ratiometric Delivery of Therapeutic Combinations. Nano Letters, 2019, 19, 1479-1487.	4.5	24
301	An integrated transparent, UV-filtering organohydrogel sensor via molecular-level ion conductive channels. Journal of Materials Chemistry A, 2019, 7, 4525-4535.	5.2	143
302	Plant seed-inspired cell protection, dormancy, and growth for large-scale biofabrication. Biofabrication, 2019, 11, 025008.	3.7	23
303	Tuning the Mechanical Behavior of Metalâ€“Phenolic Networks through Building Block Composition. ACS Applied Materials & Interfaces, 2019, 11, 6404-6410.	4.0	45
304	Silicateâ€Phenolic Networks: Coordinationâ€Mediated Deposition of Bioinspired Tannic Acid Coatings. Chemistry - A European Journal, 2019, 25, 9870-9874.	1.7	20
305	Improve Plant Photosynthesis by a New Slow-Release Carbon Dioxide Gas Fertilizer. ACS Omega, 2019, 4, 10354-10361.	1.6	9
306	Engineering of Tannic Acid Inspired Antifouling and Antibacterial Membranes through Co-deposition of Zwitterionic Polymers and Ag Nanoparticles. Industrial & Engineering Chemistry Research, 2019, 58, 11689-11697.	1.8	52
307	Stability and osteogenic potential evaluation of micro-patterned titania mesoporous-nanotube structures . International Journal of Nanomedicine, 2019, Volume 14, 4133-4144.	3.3	10
308	Regulations of organism by materials: a new understanding of biological inorganic chemistry. Journal of Biological Inorganic Chemistry, 2019, 24, 467-481.	1.1	16

#	Article	IF	Citations
309	Photochemically Enhanced Selective Adsorption of Gold Ions on Tannin-Coated Porous Polymer Microspheres. ACS Applied Materials & Interfaces, 2019, 11, 21915-21925.	4.0	29
310	PGâ€“PEIâ€“Ag NPs-Decorated Membrane for Pretreatment of Laboratory Wastewater: Simultaneous Removal of Water-Insoluble Organic Solvents and Water-Soluble Anionic Organic Pollutants. Langmuir, 2019, 35, 7680-7690.	1.6	9
311	In Vitro Performance of Bioinspired Phenolic Nanocoatings for Endosseous Implant Applications. ACS Biomaterials Science and Engineering, 2019, 5, 3340-3351.	2.6	11
312	Tannin-inspired robust fabrication of superwettability membranes for highly efficient separation of oil-in-water emulsions and immiscible oil/water mixtures. Separation and Purification Technology, 2019, 227, 115657.	3.9	54
313	Polyphenol-Based Particles for Theranostics. Theranostics, 2019, 9, 3170-3190.	4.6	123
314	The Chemistry of Bioinspired Catechol(amine)-Based Coatings. ACS Biomaterials Science and Engineering, 2019, 5, 2708-2724.	2.6	72
315	Superwetting Polymeric Three Dimensional (3D) Porous Materials for Oil/Water Separation: A Review. Polymers, 2019, 11, 806.	2.0	103
316	Grafting of Gallic Acid onto a Bioactive Ti6Al4V Alloy: A Physico-Chemical Characterization. Coatings, 2019, 9, 302.	1.2	15
317	Role of Surface Chemistry in Mediating the Uptake of Ultrasmall Iron Oxide Nanoparticles by Cancer Cells. ACS Applied Materials & Interfaces, 2019, 11, 17157-17166.	4.0	20
318	Plasma Treatment Conversion of Phenolic Compounds into Fluorescent Organic Nanoparticles for Cell Imaging. Analytical Chemistry, 2019, 91, 6754-6760.	3.2	11
319	Enhancing surface-assisted laser desorption ionization mass spectrometry performance by integrating plasmonic hot-electron transfer effect through surface modification. Chemical Communications, 2019, 55, 5769-5772.	2.2	18
320	Constructing zwitterionic coatings on thin-film nanofibrous composite membrane substrate for multifunctionality. Applied Surface Science, 2019, 483, 979-990.	3.1	24
321	Mussel-Inspired Nanocomposite Hydrogel-Based Electrodes with Reusable and Injectable Properties for Human Electrophysiological Signals Detection. ACS Sustainable Chemistry and Engineering, 2019, 7, 7918-7925.	3.2	83
322	Synthesis of g-C₃N₄ Nanosheet/TiO₂ Heterojunctions Inspired by Bioadhesion and Biomineralization Mechanism. Industrial & Engineering Chemistry Research, 2019, 58, 5516-5525.	1.8	35
323	Material-Independent Surface Chemistry beyond Polydopamine Coating. Accounts of Chemical Research, 2019, 52, 704-713.	7.6	275
324	Self-assembled tannic acid complexes for pH-responsive delivery of antibiotics: Role of drug-carrier interactions. International Journal of Pharmaceutics, 2019, 562, 76-85.	2.6	43
325	Bioinspired polydopamine and polyphenol tannic acid functionalized titanium suppress osteoclast differentiation: a facile and efficient strategy to regulate osteoclast activity at boneâ€“implant interface. Journal of the Royal Society Interface, 2019, 16, 20180799.	1.5	16
326	Surface Modification of Polymeric Nanoparticles with M2pep Peptide for Drug Delivery to Tumor-Associated Macrophages. Pharmaceutical Research, 2019, 36, 65.	1.7	50

#	Article	IF	Citations
327	Bioinspired Metalâ€“Polyphenol Materials: Self-Healing and Beyond. Biomimetics, 2019, 4, 30.	1.5	43
328	Electrodeposition of coatings made from catecholamines, polyphenols and aminimalonitrile: Common features, perspectives and challenges. Progress in Organic Coatings, 2019, 131, 441-447.	1.9	7
329	Biomimetic preparation of coreâ€shell structured surfaceâ€enhanced Raman scattering substrate with antifouling ability, good stability, and reliable quantitative capability. Electrophoresis, 2019, 40, 2172-2179.	1.3	8
330	Fabrication of durable self-repairing superhydrophobic fabrics via a fluorinate-free waterborne biomimetic silicification strategy. New Journal of Chemistry, 2019, 43, 5032-5038.	1.4	11
331	Role of polydopamineâ€™s redox-activity on its pro-oxidant, radical-scavenging, and antimicrobial activities. Acta Biomaterialia, 2019, 88, 181-196.	4.1	137
332	Silicic Acid-Mediated Formation of Tannic Acid Nanocoatings. Langmuir, 2019, 35, 3327-3336.	1.6	21
333	Surface Deposition of Juglone/Fe^{III} on Microporous Membranes for Oil/Water Separation and Dye Adsorption. Langmuir, 2019, 35, 3643-3650.	1.6	35
334	A tannic acid-modified fluoride pre-treated Mgâ€“Znâ€“Yâ€“Nd alloy with antioxidant and platelet-repellent functionalities for vascular stent application. Journal of Materials Chemistry B, 2019, 7, 7314-7325.	2.9	29
335	Extracellular vesicle (EV)-polyphenol nanoaggregates for microRNA-based cancer diagnosis. NPG Asia Materials, 2019, 11, .	3.8	10
336	An integrated self-healable and robust conductive hydrogel for dynamically self-adhesive and highly conformable electronic skin. Journal of Materials Chemistry C, 2019, 7, 15208-15218.	2.7	67
337	Superoleophobic micro-nanostructure surface formation of PVDF membranes by tannin and a condensed silane coupling agent. RSC Advances, 2019, 9, 32021-32026.	1.7	12
338	Laccase-immobilized tannic acid-mediated surface modification of halloysite nanotubes for efficient bisphenol-A degradation. RSC Advances, 2019, 9, 38935-38942.	1.7	16
339	Phenolic Building Blocks for the Assembly of Functional Materials. Angewandte Chemie - International Edition, 2019, 58, 1904-1927.	7.2	302
340	Phenolische Bausteine fÃ¼r die Assemblierung von Funktionsmaterialien. Angewandte Chemie, 2019, 131, 1920-1945.	1.6	34
341	Tannic acid coating and in situ deposition of silver nanoparticles to improve the antifouling properties of an ultrafiltration membrane. Journal of Applied Polymer Science, 2019, 136, 47314.	1.3	18
342	One-Step Anchoring of Tannic Acid-Scaffolded Bifunctional Coatings of Antifouling and Antimicrobial Polymer Brushes. ACS Sustainable Chemistry and Engineering, 2019, 7, 1786-1795.	3.2	25
343	Low-pressure electroneutral loose nanofiltration membranes with polyphenol-inspired coatings for effective dye/divalent salt separation. Chemical Engineering Journal, 2019, 359, 1442-1452.	6.6	137
344	A Nondestructive Surface Zwitterionization of Polydimethylsiloxane for the Improved Human Blood-inert Properties. ACS Applied Bio Materials, 2019, 2, 39-48.	2.3	12

#	Article	IF	Citations
345	Plant polyphenol-inspired nano-engineering topological and chemical structures of commercial sponge surface for oils/organic solvents clean-up and recovery. Chemosphere, 2019, 218, 559-568.	4.2	20
346	Nature-inspired polyphenol chemistry to fabricate halloysite nanotubes decorated PVDF membrane for the removal of wastewater. Separation and Purification Technology, 2019, 212, 326-336.	3.9	44
347	Ultralight Conductive and Elastic Aerogel for Skeletal Muscle Atrophy Regeneration. Advanced Functional Materials, 2019, 29, 1806200.	7.8	36
348	Universal method for direct bioconjugation of electrode surfaces by fast enzymatic polymerization. Biosensors and Bioelectronics, 2019, 127, 50-56.	5.3	4
349	Oxidative Epigallocatechin Gallate Coating on Polymeric Substrates for Bone Tissue Regeneration. Macromolecular Bioscience, 2019, 19, e1800392.	2.1	21
350	Oxidant-induced plant phenol surface chemistry for multifunctional coatings: Mechanism and potential applications. Journal of Membrane Science, 2019, 570-571, 176-183.	4.1	56
351	Fabrication of polylysine based antibacterial coating for catheters by facile electrostatic interaction. Chemical Engineering Journal, 2019, 360, 1030-1041.	6.6	69
352	Fabrication of durable antibacterial and superhydrophobic textiles via in situ synthesis of silver nanoparticle on tannic acid-coated viscose textiles. Cellulose, 2019, 26, 2109-2122.	2.4	77
353	Dual-Function Polymerâ€“Silver Nanocomposites for Rapid Killing of Microbes and Inhibiting Biofilms. ACS Biomaterials Science and Engineering, 2019, 5, 81-91.	2.6	26
354	Nanofiltration membranes with hydrophobic microfiltration substrates for robust structure stability and high water permeation flux. Journal of Membrane Science, 2020, 593, 117444.	4.1	65
355	Nature-inspired chemistry toward hierarchical superhydrophobic, antibacterial and biocompatible nanofibrous membranes for effective UV-shielding, self-cleaning and oil-water separation. Journal of Hazardous Materials, 2020, 384, 121476.	6.5	240
356	Copper Tannic Acid Coordination Nanosheet: A Potent Nanozyme for Scavenging ROS from Cigarette Smoke. Small, 2020, 16, e1902123.	5.2	136
357	Fabrication of high-performance composite nanofiltration membranes for dye wastewater treatment: mussel-inspired layer-by-layer self-assembly. Journal of Colloid and Interface Science, 2020, 560, 273-283.	5.0	170
358	One-pot assembly tannic acid-titanium dual network coating for low-pressure nanofiltration membranes. Separation and Purification Technology, 2020, 233, 116051.	3.9	32
359	Surface hydrophilic modification of PVDF membranes based on tannin and zwitterionic substance towards effective oil-in-water emulsion separation. Separation and Purification Technology, 2020, 234, 116015.	3.9	85
360	Bio-inspired immobilization of low-fouling phospholipid polymers via a simple dipping process: a comparative study of phenol, catechol and gallol as tethering groups. Polymer Chemistry, 2020, 11, 249-253.	1.9	20
361	Green and robust superhydrophilic electrospun stereocomplex polylactide membranes: Multifunctional oil/water separation and self-cleaning. Journal of Membrane Science, 2020, 593, 117420.	4.1	115
362	Metastable intermixed Core-shell Al@M(IO3)x nanocomposites with improved combustion efficiency by using tannic acid as a functional interfacial layer. Chemical Engineering Journal, 2020, 384, 123369.	6.6	32

#	Article	IF	Citations
363	Smart, Photothermally Activated, Antibacterial Surfaces with Thermally Triggered Bacteria-Releasing Properties. ACS Applied Materials & Interfaces, 2020, 12, 21283-21291.	4.0	116
364	Manipulating the mussel-inspired co-deposition of tannic acid and amine for fabrication of nanofiltration membranes with an enhanced separation performance. Journal of Colloid and Interface Science, 2020, 565, 23-34.	5.0	87
365	Tannic acid-mediated rapid layer-by-layer deposited non-leaching silver nanoparticles hybridized cellulose membranes for point-of-use water disinfection. Carbohydrate Polymers, 2020, 231, 115746.	5.1	29
366	Utilization of tannic acid into spherical structured carbons based on charge-transfer complexation with tetracyanoethylene acceptor: Liquid-liquid and solid-solid interactions. Journal of Molecular Liquids, 2020, 300, 112325.	2.3	22
367	Metal nanoscale systems functionalized with organic compounds. , 2020, , 407-436.		2
368	Controlled reactivity of metastable n-Al@Bi(IO3)3 by employment of tea polyphenols as an interfacial layer. Chemical Engineering Journal, 2020, 381, 122747.	6.6	29
369	Reversible Bioadhesives Using Tannic Acid Primed Thermallyâ€Responsive Polymers. Advanced Functional Materials, 2020, 30, 1907478.	7.8	42
370	Polydopamine as a stable and functional nanomaterial. Colloids and Surfaces B: Biointerfaces, 2020, 186, 110719.	2.5	62
371	Electrocatalytic nanostructured ferric tannate as platform for enzyme conjugation: Electrochemical determination of phenolic compounds. Bioelectrochemistry, 2020, 132, 107418.	2.4	13
372	Expanding the Toolbox of Metalâ€"Phenolic Networks via Enzymeâ€Mediated Assembly. Angewandte Chemie, 2020, 132, 1728-1734.	1.6	11
373	Expanding the Toolbox of Metalâ€"Phenolic Networks via Enzymeâ€Mediated Assembly. Angewandte Chemie - International Edition, 2020, 59, 1711-1717.	7.2	40
374	Phenolâ€Derived Carbon Sealant Inspired by a Coalification Process. Angewandte Chemie, 2020, 132, 3892-3898.	1.6	4
375	Highly sensitive detection of hydrazine by a disposable, Poly(Tannic Acid)-Coated carbon electrode. Biosensors and Bioelectronics, 2020, 150, 111927.	5.3	12
376	Phenolâ€Derived Carbon Sealant Inspired by a Coalification Process. Angewandte Chemie - International Edition, 2020, 59, 3864-3870.	7.2	15
377	Design and Fabrication of Highly Stretchable and Tough Hydrogels. Polymer Reviews, 2020, 60, 420-441.	5.3	24
378	Preparation of hydrophobic tanninsâ€inspired polymer materials via lowâ€ppm ATRP methods. Polymers for Advanced Technologies, 2020, 31, 913-921.	1.6	8
379	A facile strategy to construct silk fibroin based GTR membranes with appropriate mechanical performance and enhanced osteogenic capacity. Journal of Materials Chemistry B, 2020, 8, 10407-10415.	2.9	18
380	Novel Hybrid Biomass Anti-Aging Filler for Styrene-Butadiene Rubber Composites with Antioxidative and Reinforcing Properties. Materials, 2020, 13, 4045.	1.3	7

#	Article	IF	Citations
381	Visual sensing of proteins using gold nanoparticles coated with polyphenolic glycoside. Advanced Powder Technology, 2020, 31, 4129-4133.	2.0	5
382	Antibacterial nanotruffles for treatment of intracellular bacterial infection. Biomaterials, 2020, 262, 120344.	5.7	33
383	Superhydrophilic versus normal polydopamine coating: A superior and robust platform for synergistic antibacterial and antithrombotic properties. Chemical Engineering Journal, 2020, 402, 126196.	6.6	78
384	Mussel-inspired structure evolution customizing membrane interface hydrophilization. Journal of Membrane Science, 2020, 612, 118471.	4.1	40
385	Very Strong, Superâ€Tough, Antibacterial, and Biodegradable Polymeric Materials with Excellent UVâ€Blocking Performance. ChemSusChem, 2020, 13, 4974-4984.	3.6	41
386	In situ synthesizing silver nanoparticels by bio-derived gallic acid to enhance antimicrobial performance of PVDF membrane. Separation and Purification Technology, 2020, 251, 117381.	3.9	12
387	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.	1.8	4
388	Tannic Acid Radicals in the Presence of Alkali Metal Salts and Their Impact on the Formation of Silicate-Phenolic Networks. ACS Applied Materials & Interfaces, 2020, 12, 52457-52466.	4.0	18
389	Oriented immobilization of enzymeâ€“DNA conjugates on magnetic Janus particles for constructing a multicompartment multienzyme system with high activity and stability. Journal of Materials Chemistry B, 2020, 8, 8467-8475.	2.9	9
390	Facile Macrocyclic Polyphenol Barrier Coatings for PDMS Microfluidic Devices. Advanced Functional Materials, 2020, 30, 2001274.	7.8	12
391	Tea stain-inspired treatment for fine recycled concrete aggregates. Construction and Building Materials, 2020, 262, 120027.	3.2	27
392	Grafting of gallic acid to metallic surfaces. Applied Surface Science, 2020, 511, 145615.	3.1	12
393	Unraveling the gallol-driven assembly mechanism of thermoreversible supramolecular hydrogels inspired by ascidians. Polymer Chemistry, 2020, 11, 7185-7198.	1.9	13
394	Facile Synthesis of Fe₃O₄@Tannic Acid@Au Nanocomposites as a Catalyst for 4-Nitrophenol and Methylene Blue Removal. ACS Omega, 2020, 5, 20903-20911.	1.6	23
395	Grafting of the hierarchical natural tannic acid and polyethyleneimine onto carbon fiber for significantly improved surface/interface properties. Polymers for Advanced Technologies, 2020, 31, 3126-3133.	1.6	14
396	Optimization of the Preparation and Characterization of Tannylated-Albumin Nanoagents. Macromolecular Research, 2020, 28, 969-972.	1.0	0
397	Robust Conductive Hydrogel with Antibacterial Activity and UV-Shielding Performance. Industrial & Engineering Chemistry Research, 2020, 59, 17867-17875.	1.8	21
398	In vivo study of polyurethane and tannin-modified hydroxyapatite composites for calvarial regeneration. Journal of Tissue Engineering, 2020, 11, 204173142096803.	2.3	17

#	Article	IF	Citations
399	H₂O₂-Triggered Rapid Deposition of Poly(caffeic acid) Coatings: A Mechanism-Based Entry to Versatile and High-Efficient Molecular Separation. ACS Applied Materials & Interfaces, 2020, 12, 52104-52115.	4.0	12
400	Musselâ€Inspired Surface Acrylation on Graphene Oxide Using Acrylic Surface Primers and Its Hydrogelâ€Based Applications: Sustained Drug Release and Tissue Scaffolds. ChemistrySelect, 2020, 5, 5842-5849.	0.7	1
401	One-step cross-linking and tannic acid modification of polyacrylonitrile hollow fibers for organic solvent nanofiltration. Journal of Membrane Science, 2020, 610, 118294.	4.1	36
402	Conformable self-assembling amyloid protein coatings with genetically programmable functionality. Science Advances, 2020, 6, eaba1425.	4.7	36
403	Controlled coâ€immobilization of biomolecules on quinoneâ€bearing plasma polymer films for multifunctional biomaterial surfaces. Plasma Processes and Polymers, 2020, 17, 2000090.	1.6	4
404	Construction and application of therapeutic metal-polyphenol capsule for peripheral artery disease. Biomaterials, 2020, 255, 120199.	5.7	63
405	Polyphenol-Mediated Assembly for Particle Engineering. Accounts of Chemical Research, 2020, 53, 1269-1278.	7.6	244
406	Amino-containing tannic acid derivative-mediated universal coatings for multifunctional surface modification. Biomaterials Science, 2020, 8, 2120-2128.	2.6	19
407	Conformal Bacterial Cellulose Coatings as Lubricious Surfaces. ACS Nano, 2020, 14, 3885-3895.	7.3	42
408	Metal-catechol-(amine) networks for surface synergistic catalytic modï¬cation: Therapeutic gas generation and biomolecule grafting. Biomaterials, 2020, 248, 119981.	5.7	37
409	TA/Fe(III) anti-chloride coating to protect concrete. Journal of Cleaner Production, 2020, 259, 120922.	4.6	17
410	Facile hydrophilic modification of PVDF membrane with Ag/EGCG decorated micro/nanostructural surface for efficient oil-in-water emulsion separation. Chemical Engineering Journal, 2020, 402, 126200.	6.6	103
411	Polyphenols in Dental Applications. Bioengineering, 2020, 7, 72.	1.6	31
412	Mussel inspired self-healing materials: Coordination chemistry of polyphenols. Advances in Inorganic Chemistry, 2020, 76, 229-258.	0.4	5
413	Poly(gallic acid)-coated polycaprolactone inhibits oxidative stress in epithelial cells. Materials Science and Engineering C, 2020, 115, 111154.	3.8	11
414	Biocidal activity of polylactic acid-based nano-formulated abamectin on Acyrthosiphon pisum (Hemiptera: Aphididae) and the aphid predator Adalia bipunctata (Coleoptera: Coccinellidae). PLoS ONE, 2020, 15, e0228817.	1.1	13
415	One pot protein assisted deposition of pyrocatechol based functional films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 593, 124624.	2.3	1
416	Polyphenolâ€Sensitized Atomic Layer Deposition for Membrane Interface Hydrophilization. Advanced Functional Materials, 2020, 30, 1910062.	7.8	70

#	Article	IF	Citations
417	Mussel-inspired â€œbuilt-upâ€•surface chemistry for combining nitric oxide catalytic and vascular cell selective properties. Biomaterials, 2020, 241, 119904.	5.7	54
418	Inkjet printing assisted fabrication of polyphenol-based coating membranes for oil/water separation. Chemosphere, 2020, 250, 126236.	4.2	71
419	Tannic acid-assisted deposition of silk sericin on the titanium surfaces for antifouling application. Colloids and Interface Science Communications, 2020, 35, 100241.	2.0	19
420	Spout Fluidized Bed Assisted Preparation of Poly(tannic acid)-Coated Urea Fertilizer. ACS Omega, 2020, 5, 1127-1133.	1.6	19
421	Nanostructured Polyphenol-Mediated Coating: a Versatile Platform for Enzyme Immobilization and Micropollutant Removal. Industrial & Engineering Chemistry Research, 2020, 59, 2708-2717.	1.8	29
422	Injectable and Sprayable Polyphenol-Based Hydrogels for Controlling Hemostasis. ACS Applied Bio Materials, 2020, 3, 1258-1266.	2.3	66
423	Fabrication of PAN Electrospun Nanofibers Modified by Tannin for Effective Removal of Trace Cr(III) in Organic Complex from Wastewater. Polymers, 2020, 12, 210.	2.0	27
424	Coffee Melanoidinâ€Based Multipurpose Film Formation: Application to Singleâ€Cell Nanoencapsulation. ChemNanoMat, 2020, 6, 379-385.	1.5	16
425	Citrateâ€Based Tanninâ€Bridged Bone Composites for Lumbar Fusion. Advanced Functional Materials, 2020, 30, 2002438.	7.8	43
426	Formation of glyco-functionalized interfaces for protein binding using polyphenolic glycoside. Carbohydrate Research, 2020, 492, 108002.	1.1	3
427	In-situ coating TiO2 surface by plant-inspired tannic acid for fabrication of thin film nanocomposite nanofiltration membranes toward enhanced separation and antibacterial performance. Journal of Colloid and Interface Science, 2020, 572, 114-121.	5.0	55
428	Pressure-assisted in-depth hydrophilic tailoring of porous membranes achieving high water permeability, excellent fouling resistance and superior antimicrobial ability. Journal of Membrane Science, 2020, 604, 118071.	4.1	16
429	Effect of molecular weight and polymer composition on gallol-functionalized underwater adhesive. Journal of Materials Chemistry B, 2020, 8, 6798-6801.	2.9	24
430	Nanoantioxidantâ€“Based Silica Particles as Flavonoid Carrier for Drug Delivery Applications. Pharmaceutics, 2020, 12, 302.	2.0	26
431	Tannic acid-mediated dual peptide-functionalized scaffolds to direct stem cell behavior and osteochondral regeneration. Chemical Engineering Journal, 2020, 396, 125232.	6.6	43
432	Prevention of Bacterial Colonization Based on Self-Assembled Metalâ€“Phenolic Nanocoating from Rare-Earth Ions and Catechin. ACS Applied Materials & Interfaces, 2020, 12, 22237-22245.	4.0	19
433	Stimuliâ€responsive photofunctional materials for green and security printing. InformaÄnÃ-MateriÃ¡ly, 2021, 3, 82-100.	8.5	25
434	Light-activated polydopamine coatings for efficient metal recovery from electronic waste. Separation and Purification Technology, 2021, 254, 117674.	3.9	10

#	Article	IF	Citations
435	Polyphenol scaffolds in tissue engineering. Materials Horizons, 2021, 8, 145-167.	6.4	203
436	Strength and toughness of carbon fibers reinforced rigid polyurethane composites by adsorbing tannic acid and refining Ni grains on carbon fibers surface. Polymers for Advanced Technologies, 2021, 32, 326-334.	1.6	4
437	Hierarchical Janus membrane with superior fouling and wetting resistance for efficient water recovery from challenging wastewater via membrane distillation. Journal of Membrane Science, 2021, 618, 118676.	4.1	50
438	One-step modification of PVDF membrane with tannin-inspired highly hydrophilic and underwater superoleophobic coating for effective oil-in-water emulsion separation. Separation and Purification Technology, 2021, 255, 117724.	3.9	53
439	Epigallocatechin gallate mediated sandwich-like coating for mimicking endothelium with sustained therapeutic nitric oxide generation and heparin release. Biomaterials, 2021, 269, 120418.	5.7	61
440	A smart dual-drug nanosystem based on co-assembly of plant and food-derived natural products for synergistic HCC immunotherapy. Acta Pharmaceutica Sinica B, 2021, 11, 246-257.	5.7	31
441	Tea stain-inspired solar energy harvesting polyphenolic nanocoatings with tunable absorption spectra. Nano Research, 2021, 14, 969-975.	5.8	46
442	Plant polyphenol intermediated metal-organic framework (MOF) membranes for efficient desalination. Journal of Membrane Science, 2021, 618, 118726.	4.1	94
443	Facile preparation of metal-polyphenol coordination complex coated PVDF membrane for oil/water emulsion separation. Separation and Purification Technology, 2021, 258, 118022.	3.9	38
444	Self-healing, anti-freezing, adhesive and remoldable hydrogel sensor with ion-liquid metal dual conductivity for biomimetic skin. Composites Science and Technology, 2021, 203, 108608.	3.8	130
445	Polyphenolâ€Induced Adhesive Liquid Metal Inks for Substrateâ€Independent Direct Pen Writing. Advanced Functional Materials, 2021, 31, 2007336.	7.8	84
446	Tannic acid-coated gold nanorod as a spectrometric probe for sensitive and selective detection of Al3+ in aqueous system. Journal of Industrial and Engineering Chemistry, 2021, 94, 507-514.	2.9	6
447	Tannic acid and Poly(N-acryloyl morpholine) layer-by-layer built hemodialysis membrane surface for intervening oxidative stress integrated with high biocompatibility and dialysis performance. Journal of Membrane Science, 2021, 621, 118896.	4.1	23
448	Phenolic-amine chemistry mediated synergistic modification with polyphenols and thrombin inhibitor for combating the thrombosis and inflammation of cardiovascular stents. Biomaterials, 2021, 269, 120626.	5.7	47
449	A bioinspired gallol-functionalized collagen as wet-tissue adhesive for biomedical applications. Chemical Engineering Journal, 2021, 417, 127962.	6.6	37
450	Solution-processed deposition based on plant polyphenol for silver conductive coating and its application on human motions detecting sensor. Composites Science and Technology, 2021, 201, 108550.	3.8	8
451	Self-assembled zeolitic imidazolate framework-8/Ag nanoparticles composite with well-controlled flower-like architectures for ultrasensitive surface-enhanced Raman scattering detection. Applied Surface Science, 2021, 537, 147853.	3.1	16
452	Enhanced adhesion property of aramid fibers by polyphenol-metal iron complexation and silane grafting. Journal of Adhesion, 2021, 97, 346-360.	1.8	17

#	Article	IF	Citations
453	Molecularly Smooth and Conformal Nanocoating by Amine-Mediated Redox Modulation of Catechol. Chemistry of Materials, 2021, 33, 952-965.	3.2	9
454	Bioinspired and eco-friendly high efficacy cinnamaldehyde antibacterial surfaces. Journal of Materials Chemistry B, 2021, 9, 2918-2930.	2.9	34
455	Strategic Advances in Spatiotemporal Control of Bioinspired Phenolic Chemistries in Materials Science. Advanced Functional Materials, 2021, 31, 2008821.	7.8	39
456	A novel coating with universal adhesion and inflammation-responsive drug release functions to manipulate the osteoimmunomodulation of implants. Journal of Materials Chemistry B, 2021, 9, 5272-5283.	2.9	7
457	Films and Materials Derived from Aminomalononitrile. Processes, 2021, 9, 82.	1.3	16
458	Polyphenol-mediated chitin self-assembly for constructing a fully naturally resourced hydrogel with high strength and toughness. Materials Horizons, 2021, 8, 2503-2512.	6.4	57
459	Plant-derived polyphenol-based nanomaterials for drug delivery and theranostics. , 2021, , 39-54.		1
460	Heterostructured graphene oxide membranes with tunable water-capture coatings for highly selective water permeation. Journal of Materials Chemistry A, 2021, 9, 7903-7912.	5.2	18
461	Development of a light activatable lignin nanosphere based spray coating for bioimaging and antimicrobial photodynamic therapy. Journal of Materials Chemistry B, 2021, 9, 1592-1603.	2.9	27
462	A tough, adhesive, self-healable, and antibacterial plant-inspired hydrogel based on pyrogallolâ€“borax dynamic cross-linking. Journal of Materials Chemistry B, 2021, 9, 4230-4240.	2.9	41
463	Plant-inspired quercetin thin films: universal coatings and their postfunctionalization for non-biofouling applications. New Journal of Chemistry, 2021, 45, 7533-7541.	1.4	5
464	Postharvest spraying of zinc oxide nanoparticles enhances shelf life qualities and zinc concentration of tomato fruits. Crop and Pasture Science, 2022, 73, 22-31.	0.7	13
465	Tannic acid/Mg²⁺-based versatile coating to manipulate the osteoimmunomodulation of implants. Journal of Materials Chemistry B, 2021, 9, 1096-1106.	2.9	23
466	Conjugation of Polysulfobetaine via Poly(pyrogallol) Coatings for Improving the Antifouling Efficacy of Biomaterials. ACS Omega, 2021, 6, 3517-3524.	1.6	12
467	Recent advances in membrane hydrophilic modification with plant polyphenolâ€inspired coatings for enhanced oily emulsion separation. Journal of Applied Polymer Science, 2021, 138, 50587.	1.3	18
468	Antimicrobial hydroxyapatite and its composites for the repair of infected femoral condyle. Materials Science and Engineering C, 2021, 121, 111807.	3.8	13
469	Metalâ€“Organic-Framework-Based Materials for Antimicrobial Applications. ACS Nano, 2021, 15, 3808-3848.	7.3	241
470	TiO₂@HNTs Robustly Decorated PVDF Membrane Prepared by a Bioinspired Accurate-Deposition Strategy for Complex Corrosive Wastewater Treatment. ACS Applied Materials & Interfaces, 2021, 13, 11320-11331.	4.0	23

#	Article	IF	Citations
471	Synthesis and properties of corresponding polymers of urushiol-based benzoxazine monomers modified by silane. International Journal of Polymer Analysis and Characterization, 2021, 26, 265-276.	0.9	3
472	Designing Adaptive Binders for Microenvironment Settings of Silicon Anode Particles. Advanced Materials, 2021, 33, e2007460.	11.1	46
473	Liquid Metal-Triggered Assembly of Phenolic Nanocoatings with Antioxidant and Antibacterial Properties. ACS Applied Nano Materials, 2021, 4, 2987-2998.	2.4	26
474	Preparation of refreshable membrane by partially sacrificial hydrophilic coating. Journal of Materials Science, 2021, 56, 10676-10690.	1.7	5
475	High thermal conductive silicone rubber composites constructed by strawberry-structured Al2O3-PCPA-Ag hybrids. Composites Part A: Applied Science and Manufacturing, 2021, 142, 106260.	3.8	23
476	Preparation of polyvinylidene fluoride modified membrane by tannin and halloysite nanotubes for dyes and antibiotics removal. Journal of Materials Science, 2021, 56, 10218-10230.	1.7	13
477	High-throughput screening of multifunctional nanocoatings based on combinations of polyphenols and catecholamines. Materials Today Bio, 2021, 10, 100108.	2.6	8
478	Development of Polyvinylidene Fluoride Membrane via Assembly of Tannic Acid and Polyvinylpyrrolidone for Filtration of Oil/Water Emulsion. Polymers, 2021, 13, 976.	2.0	18
479	Standardized User-Independent Confocal Microscopy Image Acquisition and Analysis for Thickness Measurements of Microscale Collagen Scaffolds. Microscopy and Microanalysis, 2021, 27, 543-548.	0.2	0
480	Silanization of a Metalâ€“Polyphenol Coating onto Diverse Substrates as a Strategy for Controllable Wettability with Enhanced Performance to Resist Acid Corrosion. Langmuir, 2021, 37, 3637-3647.	1.6	8
481	Universal and Switchable Omni-Repellency of Liquid-Infused Surfaces for On-Demand Separation of Multiphase Liquid Mixtures. ACS Nano, 2021, 15, 6977-6986.	7.3	20
482	Polyphenolâ€Containing Nanoparticles: Synthesis, Properties, and Therapeutic Delivery. Advanced Materials, 2021, 33, e2007356.	11.1	216
483	Fabrication of Antiswelling Loose Nanofiltration Membranes via a â€œSelective-Etching-Induced Reinforcingâ€•Strategy for Bioseparation. ACS Applied Materials & Interfaces, 2021, 13, 19312-19323.	4.0	14
484	Oxidant-dependent antioxidant activity of polydopamine films: The chemistry-morphology interplay. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 614, 126134.	2.3	14
485	Musselâ€inspired polymer materials derived from nonphytogenic and phytogenic catechol derivatives and their applications. Polymer International, 2021, 70, 1209-1224.	1.6	12
486	Evaluation of the anti-oxidative and ROS scavenging properties of biomaterials coated with epigallocatechin gallate for tissue engineering. Acta Biomaterialia, 2021, 124, 166-178.	4.1	40
487	Metal-phenolic network as precursor for fabrication of metal-organic framework (MOF) nanofiltration membrane for efficient desalination. Journal of Membrane Science, 2021, 624, 119101.	4.1	104
488	Poly(catecholamine) Coated CsPbBr₃ Perovskite Microlasers: Lasing in Water and Biofunctionalization. Advanced Functional Materials, 2021, 31, 2101902.	7.8	12

#	Article	IF	Citations
489	Simultaneous deposition of tannic acid and poly(ethylene glycol) to construct the antifouling polymeric coating on Titanium surface. Colloids and Surfaces B: Biointerfaces, 2021, 200, 111592.	2.5	29
490	Toward Biosourced Materials for Electrochemical Energy Storage: The Case of Tannins. ACS Sustainable Chemistry and Engineering, 2021, 9, 6079-6086.	3.2	7
491	Stem cell spheroid engineering with osteoinductive and ROS scavenging nanofibers for bone regeneration. Biofabrication, 2021, 13, 034101.	3.7	18
492	Gravity-driven multifunctional microporous membranes for household water treatment: Simultaneous pathogenic disinfection, metal recycling, and biofouling mitigation. Chemical Engineering Journal, 2021, 410, 128289.	6.6	8
493	Spraying layer-by-layer assembly of tannin-Fe3+ and polyethyleneimine for antibacterial coating. Colloids and Interface Science Communications, 2021, 42, 100422.	2.0	20
494	A Plant Leaf-Mimetic Membrane with Controllable Gas Permeation for Efficient Preservation of Perishable Products. ACS Nano, 2021, 15, 8742-8752.	7.3	79
495	Tannic acid speeds up the setting of mineral trioxide aggregate cements and improves its surface and bulk properties. Journal of Colloid and Interface Science, 2021, 589, 318-326.	5.0	26
496	Superhydrophobic cotton fabric coated with tannic acid/polyhedral oligomeric silsesquioxane for highly effective oil/water separation. Progress in Organic Coatings, 2021, 154, 106191.	1.9	24
497	A CaO₂@Tannic Acidâ€Fe^{III} Nanoconjugate for Enhanced Chemodynamic Tumor Therapy. ChemMedChem, 2021, 16, 2278-2286.	1.6	27
498	New advances in gated materials of mesoporous silica for drug controlled release. Chinese Chemical Letters, 2021, 32, 3696-3704.	4.8	59
499	Universal Surface Coating with a Non-Phenolic Molecule, Sulfonated Pyrene. Langmuir, 2021, 37, 7227-7236.	1.6	3
500	Mechanobiology of Dental Pulp Stem Cells at the Interface of Aqueous-Based Fabricated ZIF8 Thin Film. ACS Applied Bio Materials, 2021, 4, 4885-4895.	2.3	1
501	Biomimetic construction of highly durable nacre-like MoS2 bio-nanocomposite coatings on polyacrylonitrile textile for intumescent flame retardation and sustainable solar-thermal-electricity conversion. Composites Part B: Engineering, 2021, 215, 108742.	5.9	20
502	Synthesis of Silica Nanoparticles with Physical Encapsulation of Near-Infrared Fluorescent Dyes and Their Tannic Acid Coating. ACS Omega, 2021, 6, 17651-17659.	1.6	4
503	Application of polydopamine on the implant surface modification. Polymer Bulletin, 2022, 79, 5613-5633.	1.7	11
504	Laccase-like nanozymes fabricated by copper and tannic acid for removing malachite green from aqueous solution. Colloid and Polymer Science, 2021, 299, 1533-1542.	1.0	9
505	Integrating Antioxidant Functionality into Polymer Materials: Fundamentals, Strategies, and Applications. ACS Applied Materials & Interfaces, 2021, 13, 41372-41395.	4.0	45
506	Sonoâ€Fenton Chemistry Converts Phenol and Phenyl Derivatives into Polyphenols for Engineering Surface Coatings. Angewandte Chemie, 2021, 133, 21699-21705.	1.6	5

#	Article	IF	Citations
507	Sonoâ€Fenton Chemistry Converts Phenol and Phenyl Derivatives into Polyphenols for Engineering Surface Coatings. Angewandte Chemie - International Edition, 2021, 60, 21529-21535.	7.2	18
508	Multifaceted role of phyto-derived polyphenols in nanodrug delivery systems. Advanced Drug Delivery Reviews, 2021, 176, 113870.	6.6	64
509	Metal-phenolic network coatings for engineering bioactive interfaces. Colloids and Surfaces B: Biointerfaces, 2021, 205, 111851.	2.5	23
510	A rechargeable anti-thrombotic coating for blood-contacting devices. Biomaterials, 2021, 276, 121011.	5.7	8
511	Metal-phenolic network-coated hollow fiber catalytic membranes via solvent transfer induced phase separation (STRIPS) for Suzuki coupling reaction. Journal of Membrane Science, 2021, 634, 119386.	4.1	11
512	A self-matching, ultra-fast film forming and washable removal bio-crosslinked hydrogel films for perishable fruits. Carbohydrate Polymers, 2021, 267, 118177.	5.1	30
513	Unexpected Superhydrophobicity on a Wide Range of Substrates via a One-step Immersion in Aqueous Solution without Hydrophobic Agent. Chemistry Letters, 2021, 50, 1601-1603.	0.7	1
514	Complexation of tannic acid with polyoxypropylene diamine in water and application for the preparation of hierarchically structured functional surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 627, 127201.	2.3	1
515	One-step self-assembly of biogenic Au NPs/PEG-based universal coatings for antifouling and photothermal killing of bacterial pathogens. Chemical Engineering Journal, 2021, 421, 130005.	6.6	41
516	Plant polyphenols induced the synthesis of rich oxygen vacancies Co3O4/Co@N-doped carbon hollow nanomaterials for electrochemical energy storage and conversion. Journal of Colloid and Interface Science, 2021, 600, 58-71.	5.0	32
517	Bioinspired construction of carbonized poly(tannic acid)/g-C3N4 nanorod photocatalysts for organics degradation. Applied Surface Science, 2021, 562, 150256.	3.1	19
518	Vanillin-bioglass cross-linked 3D porous chitosan scaffolds with strong osteopromotive and antibacterial abilities for bone tissue engineering. Carbohydrate Polymers, 2021, 271, 118440.	5.1	37
519	Self-sealing hemostatic and antibacterial needles by polyphenol-assisted surface self-assembly of multifunctional nanoparticles. Chemical Engineering Journal, 2021, 425, 130621.	6.6	8
520	Coatable tannic acid-deposited cellulose nanocrystals for Fe(III) sensing and its application to a facile, scalable and portable sensing platform. Dyes and Pigments, 2021, 196, 109732.	2.0	8
521	The bonding strength, water resistance and flame retardancy of soy protein-based adhesive by incorporating tailor-made coreâ€“shell nanohybrid compounds. Chemical Engineering Journal, 2022, 428, 132390.	6.6	57
522	Modification of naturally abundant resources for remediation of potentially toxic elements: A review. Journal of Hazardous Materials, 2022, 421, 126755.	6.5	32
523	Ultrasound-based one-step fabrication of nobiletin particle: A facile stabilization strategy. Food Chemistry, 2022, 369, 130896.	4.2	6
524	Coffee Bean Polyphenols Can Form Biocompatible Template-free Antioxidant Nanoparticles with Various Sizes and Distinct Colors. ACS Omega, 2021, 6, 2767-2776.	1.6	17

#	Article	IF	Citations
525	Binding enhancements of antibody functionalized natural and synthetic fibers. RSC Advances, 2021, 11, 30353-30360.	1.7	0
526	A facile and economic route assisted by trace tannic acid to construct a high-performance thin film composite NF membrane for desalination. Environmental Science: Water Research and Technology, 2021, 7, 956-968.	1.2	9
527	Poly(tannic acid) nanocoating based surface modification for construction of multifunctional composite CeO₂NZs to enhance cell proliferation and antioxidative viability of preosteoblasts. Nanoscale, 2021, 13, 16349-16361.	2.8	22
528	An Overview of the Options for Antimicrobial Hard Surfaces in Hospitals. , 2014, , 137-166.		4
529	Metal-polyphenol dual crosslinked graphene oxide membrane for desalination of textile wastewater. Desalination, 2020, 487, 114503.	4.0	64
530	Stimuli-sensitive complexation and the strongly adhesive antibacterial gel from biocompatible PolyAspAm(EA/EDA) and tannic acid. International Journal of Polymeric Materials and Polymeric Biomaterials, 2022, 71, 462-469.	1.8	4
531	3D printed micro-chambers carrying stem cell spheroids and pro-proliferative growth factors for bone tissue regeneration. Biofabrication, 2021, 13, 015011.	3.7	11
532	Preparation of novel anisotropic gold nanoplatform as NIR absorbing agents for photothermal therapy of liver cancer and enhanced ultrasound contrast imaging. Materials Research Express, 2020, 7, 125006.	0.8	2
533	Sensing of epigallocatechin gallate and tannic acid based on near infrared optical spectroscopy of DNA-wrapped single-walled carbon nanotube hybrids. Journal of Near Infrared Spectroscopy, 2021, 29, 73-83.	0.8	6
534	An Unconventional Nano-Aiegen Originating from a Natural Plant Polyphenol for Multicolor Bioimaging. SSRN Electronic Journal, 0, , .	0.4	0
535	Low Loading of Tannic Acid-Functionalized WS₂ Nanosheets for Robust Epoxy Nanocomposites. ACS Applied Nano Materials, 2021, 4, 10419-10429.	2.4	15
536	Mussel-inspired chemistry: A promising strategy for natural polysaccharides in biomedical applications. Progress in Polymer Science, 2021, 123, 101472.	11.8	77
537	In vitro corrosion behaviour of phenolic coated nickelâ€“titanium surfaces. Biosurface and Biotribology, 2020, 6, 25-30.	0.6	0
538	The effect of red wine in modifying the salivary pellicle and modulating dental erosion kinetics. European Journal of Oral Sciences, 2021, 129, e12749.	0.7	8
539	Modification, Degradation and Evaluation of a Few Organic Coatings for Some Marine Applications. Corrosion and Materials Degradation, 2020, 1, 408-442.	1.0	15
540	Enhanced deposition of Fe(III)-tannic acid complex nanofilm by Fe(III)-embedded dextran nanocoating. Applied Surface Science, 2022, 573, 151598.	3.1	3
541	A new strategy to accelerate co-deposition of plant polyphenol and amine for fabrication of antibacterial nanofiltration membranes by in-situ grown Ag nanoparticles. Separation and Purification Technology, 2022, 280, 119866.	3.9	43
542	Construction of a sensitive and selective plasmonic biosensor for prostate specific antigen by combining magnetic molecularly-imprinted polymer and surface-enhanced Raman spectroscopy. Talanta, 2022, 237, 122926.	2.9	35

#	Article	IF	Citations
543	Use of Gelatin as Tannic Acid Carrier for Its Sustained Local Delivery. , 2020, 2, .		2
544	Teaâ€“Essential Oilâ€“Metal Hybrid Nanocoatings for Bacterial and Viral Inactivation. ACS Applied Nano Materials, 2021, 4, 12619-12628.	2.4	9
545	Metal-polyphenol Complexes as Versatile Building Blocks for Functional Biomaterials. Biotechnology and Bioprocess Engineering, 2021, 26, 689-707.	1.4	12
546	Nanoparticles-stacked superhydrophilic coating supported synergistic antimicrobial ability for enhanced wound healing. Materials Science and Engineering C, 2022, 132, 112535.	3.8	14
547	Insight into the mechanism and formation process of bioinspired poly(amino acid)/polyphenol capsules engineered with fast pH switchable permeability. Colloids and Surfaces B: Biointerfaces, 2022, 210, 112234.	2.5	0
548	Changes in Browning Degree and Reducibility of Polyphenols during Autoxidation and Enzymatic Oxidation. Antioxidants, 2021, 10, 1809.	2.2	17
549	Preparation of Polyfunctionalized Aromatic Nitriles from Aryl Oxazolines. Chemistry - A European Journal, 2021, , .	1.7	4
550	Immobilization of glucose oxidase on bioinspired polyphenol coatings as a high-throughput glucose assay platform. RSC Advances, 2021, 11, 39582-39592.	1.7	7
551	Review on polymer composites with high thermal conductivity and low dielectric properties for electronic packaging. Materials Today Physics, 2022, 22, 100594.	2.9	79
552	The Application of Tannic Acid in Orthopedics. Frontiers in Materials, 2022, 8, .	1.2	5
553	Tailored design of nanofiltration membranes for water treatment based on synthesisâ€“propertyâ€“performance relationships. Chemical Society Reviews, 2022, 51, 672-719.	18.7	182
554	Outstanding flame retardancy for poly(vinyl alcohol) achieved using a resveratrol/tannic acid complex. RSC Advances, 2021, 12, 285-296.	1.7	3
555	A hydrophilic coating capable of withstanding acid and alkali to modify PVDF membrane. Journal of Water Process Engineering, 2022, 45, 102519.	2.6	11
556	Bioinspired polydopamine deposition and silane grafting modification of bamboo fiber for improved interface compatibility of poly (lactic acid) composites. International Journal of Biological Macromolecules, 2022, 201, 121-132.	3.6	31
557	Antifouling and antimicrobial modification of polyvinylidene fluoride micropore membrane by plant tannic acid and polyhexamethylene guanidine. Surfaces and Interfaces, 2022, 29, 101708.	1.5	6
558	Photothermally triggered melting and perfusion: responsive colloidosomes for cytosolic delivery of membrane-impermeable drugs in tumor therapy. Journal of Materials Chemistry B, 2022, , .	2.9	1
559	Preparation of biomimetic non-iridescent structural color based on polystyreneâ€“polycaffeic acid coreâ€“shell nanospheres. RSC Advances, 2022, 12, 3602-3610.	1.7	1
560	Biomedical applications of tannic acid. Journal of Biomaterials Applications, 2022, 36, 1503-1523.	1.2	44

#	Article	IF	Citations
561	Promoting Effects of Titanium Implants Coated with Dipterocarpus tuberculatus Extract on Osseointegration. ACS Biomaterials Science and Engineering, 2022, 8, 847-858.	2.6	4
562	One-step electrochemical deposition of antifouling polymers with pyrogallol for biosensing applications. Journal of Materials Chemistry B, 2022, 10, 2504-2511.	2.9	3
563	Hot Melt Super Glue: Multiâ€Recyclable Polyphenolâ€Based Supramolecular Adhesives. Macromolecular Rapid Communications, 2022, 43, e2100830.	2.0	19
564	Antifreeze Proteins: A Tale of Evolution From Origin to Energy Applications. Frontiers in Bioengineering and Biotechnology, 2021, 9, 770588.	2.0	13
565	An unconventional nano-AIEgen originating from a natural plant polyphenol for multicolor bioimaging. Cell Reports Physical Science, 2022, 3, 100745.	2.8	15
566	Surface co-deposition of polypyrrole nanoparticles and tannic acid for photothermal bacterial eradication. Colloids and Surfaces B: Biointerfaces, 2022, 212, 112381.	2.5	7
567	One-step modification of electrospun PVDF nanofiber membranes for effective separation of oilâ€“water emulsion. New Journal of Chemistry, 2022, 46, 4734-4745.	1.4	14
568	A Promising Therapeutic Soy-Based Pickering Emulsion Gel Stabilized by a Multifunctional Microcrystalline Cellulose: Application in 3D Food Printing. Journal of Agricultural and Food Chemistry, 2022, 70, 2374-2388.	2.4	32
569	Hydrogen-Bonding-Driven Multifunctional Polymer Hydrogel Networks Based on Tannic Acid. ACS Applied Polymer Materials, 2022, 4, 1836-1845.	2.0	24
570	Decaffeinated green tea extract as a nature-derived antibiotic alternative: An application in antibacterial nano-thin coating on medical implants. Food Chemistry, 2022, 383, 132399.	4.2	7
571	Tannic acid: a crosslinker leading to versatile functional polymeric networks: a review. RSC Advances, 2022, 12, 7689-7711.	1.7	115
572	Machine learning as a tool to engineer microstructures: Morphological prediction of tannin-based colloids using Bayesian surrogate models. MRS Bulletin, 2022, 47, 29-37.	1.7	5
573	Impacts of Resveratrol and Pyrogallol on Physicochemical, Mechanical and Biological Properties of Epoxy-Resin Sealers. Bioengineering, 2022, 9, 85.	1.6	9
574	Fabrication of Polysulfobetaine Gradient Coating via Oxidation Polymerization of Pyrogallol To Modulate Biointerfaces. ACS Omega, 2022, 7, 7125-7133.	1.6	3
575	Advances in the Synthesis and Applications of Mussel-Inspired Polymers. Polymer Reviews, 2023, 63, 1-39.	5.3	17
576	Bridged Ti₃C₂T_X MXene Film with Superior Oxidation Resistance and Structural Stability for High-Performance Flexible Supercapacitors. ACS Applied Energy Materials, 2022, 5, 2898-2908.	2.5	34
577	Future Direction of Designing Antioxidant Polymers in Modulating Protein Aggregation Process. Journal of Molecular and Engineering Materials, 2021, 09, .	0.9	4
578	Tea Polyphenol Liposomes Overcome Gastric Mucus to Treat Helicobacter Pylori Infection and Enhance the Intestinal Microenvironment. ACS Applied Materials & Interfaces, 2022, 14, 13001-13012.	4.0	18

#	Article	IF	Citations
579	Cellâ€Mediated Biointerfacial Phenolic Assembly for Probiotic Nano Encapsulation. Advanced Functional Materials, 2022, 32, .	7.8	34
580	Biomimic Heterostructured Graphene Oxide Membranes via Supramolecularâ€Mediated Intercalation Assembly for Efficient Water Transport. Small, 2022, 18, e2200461.	5.2	7
581	Polyphenol-driving assembly for constructing chitin-polyphenol-metal hydrogel as wound dressing. Carbohydrate Polymers, 2022, 290, 119444.	5.1	42
582	Hierarchical collagen fibers complexed with tannic acid and Fe3+ as a heterogeneous catalyst for enhancing sulfate radical-based advanced oxidation process. Environmental Science and Pollution Research, 2022, 29, 58675-58684.	2.7	4
583	Poly(methyl methacrylate) surface grafted with poly(2-ethyl-2-oxazoline) using tea polyphenol as linker molecule. Progress in Organic Coatings, 2022, 166, 106796.	1.9	4
584	Catechol modification of non-woven chitosan gauze for enhanced hemostatic efficacy. Carbohydrate Polymers, 2022, 286, 119319.	5.1	18
585	Phytic Acid-Promoted rapid fabrication of natural polypeptide coatings for multifunctional applications. Chemical Engineering Journal, 2022, 440, 135917.	6.6	14
586	Fabrication of pH-degradable supramacromolecular microgels with tunable size and shape via droplet-based microfluidics. Journal of Colloid and Interface Science, 2022, 617, 409-421.	5.0	23
587	Facile fabrication of self-healing silicone-based poly(urea-thiourea)/tannic acid composite for anti-biofouling. Journal of Materials Science and Technology, 2022, 124, 1-13.	5.6	29
588	High-Performance Biocomposite Polyvinyl Alcohol (PVA) Films Modified with Cellulose Nanocrystals (CNCs), Tannic Acid (TA), and Chitosan (CS) for Food Packaging. Journal of Nanomaterials, 2021, 2021, 1-9.	1.5	16
589	Controllable Synthesis of Polyphenol Spheres via Amine-Catalyzed Polymerization-Induced Self-Assembly. Biomacromolecules, 2022, 23, 140-149.	2.6	8
590	Site-Specific and Covalent Immobilization of Lipase on Natural Polyphenol-Modified Magnetic Nanoparticles for Effective Biodiesel Production. ACS Sustainable Chemistry and Engineering, 2022, 10, 5384-5395.	3.2	14
591	New Graphitic Carbon Nitride-Based Composite Membranes: Fast Water Transport Through the Synergistic Effect of Ta and Tris. SSRN Electronic Journal, 0, , .	0.4	0
592	Nanostructured particles assembled from natural building blocks for advanced therapies. Chemical Society Reviews, 2022, 51, 4287-4336.	18.7	64
593	Sustainable and Versatile Superhydrophobic Cellulose Nanocrystals. ACS Sustainable Chemistry and Engineering, 2022, 10, 5939-5948.	3.2	36
594	Sensitive Detection of 8â€Hydroxyquinoline in Cosmetics by Using a Poly(tannic acid)â€Modified Glassy Carbon Electrode. ChemistrySelect, 2022, 7, .	0.7	0
595	Discovering the direct evidence of photocatalytic sterilization mechanism on bimetallic sulfides heterostructures. Journal of Colloid and Interface Science, 2022, 623, 182-195.	5.0	9
596	Designing energy-efficient separation membranes: Knowledge from nature for a sustainable future. , 2022, 2, 100031.		13

#	Article	IF	Citations
597	Non-covalent small molecule partnership for redox-active films: Beyond polydopamine technology. Journal of Colloid and Interface Science, 2022, 624, 400-410.	5.0	3
598	Cross-linked laminar graphene oxide membranes for wastewater treatment and desalination: A review. Journal of Environmental Management, 2022, 317, 115367.	3.8	14
599	Novel Cellulose Nanocrystals-Based Polyurethane: Synthesis, Characterization and Antibacterial Activity. Polymers, 2022, 14, 2197.	2.0	1
600	Bioinspired construction of g-C3N4 isotype heterojunction on carbonized poly(tannic acid) nanorod surface with multistep electron transfer path. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 431, 114045.	2.0	3
601	Low-temperature liquid platinum catalyst. Nature Chemistry, 2022, 14, 935-941.	6.6	61
602	New graphitic carbon nitride-based composite membranes: Fast water transport through the synergistic effect of tannic acid and tris(hydroxymethyl) aminomethane. Journal of Membrane Science, 2022, 658, 120736.	4.1	4
603	Engineering functional mesoporous materials from plant polyphenol based coordination polymers. Coordination Chemistry Reviews, 2022, 468, 214649.	9.5	39
604	Sustainable nanotechnology for human resource development. , 2022, , 357-372.		2
605	Preparation of Ultrathin and Degradable Polymeric Films by Electropolymerization of 3â€Aminoâ€<scp>l</scp>â€tyrosine. Macromolecular Rapid Communications, 2023, 44, .	2.0	3
606	Fabrication of Highly Conductive Silver-Coated Aluminum Microspheres Based on Poly(catechol/polyamine) Surface Modification. Polymers, 2022, 14, 2727.	2.0	5
607	Harnessing a biopolymer hydrogel reinforced by copper/tannic acid nanosheets for treating bacteria-infected diabetic wounds. Materials Today Advances, 2022, 15, 100271.	2.5	20
608	A dual-biomimetic strategy to construct zwitterionic anti-fouling membrane with superior emulsion separation performance. Journal of Membrane Science, 2022, 660, 120829.	4.1	27
609	Dental plaque-inspired versatile nanosystem for caries prevention and tooth restoration. Bioactive Materials, 2023, 20, 418-433.	8.6	24
610	Biosourced quinones for high-performance environmentally benign electrochemical capacitors via interface engineering. Communications Chemistry, 2022, 5, .	2.0	12
611	Polydopamine-based polysaccharide materials for water treatment. Cellulose, 2022, 29, 8025-8064.	2.4	17
612	Preparation and application of (<scp>Cu₂Oâ€Ag</scp>)@<scp>TA</scp> composite nanomaterials with enhanced stability and photocatalytic antibacterial activity. Journal of Vinyl and Additive Technology, 2023, 29, 5-16.	1.8	3
613	Naturally Derived Allylated Gallic Acid for Interfacially Polymerized Membranes. ACS Sustainable Chemistry and Engineering, 2022, 10, 13585-13594.	3.2	1
614	Biopolymer coating for particle surface engineering and their biomedical applications. Materials Today Bio, 2022, 16, 100407.	2.6	9

#	Article	IF	Citations
615	A Gallic Acid-Doped Polypyrrole Coating with Anticorrosion and Antibacterial Properties on Magnesium Alloy. ACS Applied Bio Materials, 2022, 5, 4244-4255.	2.3	4
616	Tannic acid (TA)-based coating modified membrane enhanced by successive inkjet printing of Fe3+ and sodium periodate (SP) for efficient oil-water separation. Journal of Membrane Science, 2022, 660, 120873.	4.1	26
617	Multifunctional coatings of phenolic phytocompounds of medical interest: Assembly methods and applications. Progress in Organic Coatings, 2022, 172, 107068.	1.9	2
618	Curcuminâ€Based Universal Grafting of Poly(OEGMA) Brushes and Their Antibacterial Applications. Macromolecular Bioscience, 2022, 22, .	2.1	4
619	Tannin-coated PVA/PVP/PEI nanofibrous membrane as a highly effective adsorbent and detoxifier for Cr(VI) contamination in water. Separation and Purification Technology, 2022, 303, 122164.	3.9	11
620	Antibacterial and antioxidant films based on HA/Gr/TA fabricated using electrospinning for wound healing. International Journal of Pharmaceutics, 2022, 626, 122139.	2.6	12
621	Preparation of ultrafine and highly loaded silver nanoparticle composites and their highly efficient applications as reductive catalysts and antibacterial agents. Journal of Colloid and Interface Science, 2023, 629, 766-777.	5.0	16
622	Assembly of surface-independent polyphenol/liquid gallium composite nanocoatings. Nanoscale, 2022, 14, 14760-14769.	2.8	8
623	Applications of metalâ€“phenolic networks in nanomedicine: a review. Biomaterials Science, 2022, 10, 5786-5808.	2.6	8
624	Rhoifolin loaded in PLGA nanoparticles alleviates oxidative stress and inflammation in vitro and in vivo. Biomaterials Science, 2022, 10, 5504-5519.	2.6	15
625	Robust and multifunctional natural polyphenolic composites for water remediation. Materials Horizons, 2022, 9, 2496-2517.	6.4	59
626	The rapid synthesis of intrinsic green-fluorescent poly(pyrogallol)-derived carbon dots for amoxicillin drug sensing in clinical samples. New Journal of Chemistry, 2022, 46, 18805-18814.	1.4	5
627	One-step rapid co-deposition of oxidant induced mussel-polyphenol coating on PVDF substrate for separating oily water. Separation and Purification Technology, 2022, 303, 122304.	3.9	9
628	EGCG/Zn coating on titanium implants by one-step hydrothermal method for improving anticorrosion, antibacterial and osteogenesis properties. Materials Chemistry and Physics, 2022, 292, 126872.	2.0	4
629	TAâ€“Fe(<scp>iii</scp>) complex coated PS nanospheres for non-iridescent structural coloration of cotton fabric. Journal of Materials Chemistry C, 2022, 10, 17472-17480.	2.7	5
630	Biomimetic anti-inflammatory and osteogenic nanoparticles self-assembled with mineral ions and tannic acid for tissue engineering. Nano Convergence, 2022, 9, .	6.3	11
631	Amphotericin B-Loaded Plant-Inspired Polyphenol Nanoparticles Enhance Its Antifungal Activity and Biocompatibility. ACS Applied Bio Materials, 2022, 5, 5156-5164.	2.3	4
632	Targeted and Infarcted Microenvironmentâ€Responsive Peptide Therapeutics to Reverse Cardiac Remodeling. Advanced Therapeutics, 0, , 2200121.	1.6	0

#	Article	IF	Citations
633	Surface Coating with Naphthalene Trisulfonate/Hafnium(IV) Complexes: Versatility and Post-Functionalization. Langmuir, 2022, 38, 12711-12716.	1.6	1
634	Chitosan-Polyphenol Conjugates for Human Health. Life, 2022, 12, 1768.	1.1	5
635	Multifunctional hybrid hydrogel with transparency, conductivity, and self-adhesion for soft sensors using hemicellulose-decorated polypyrrole as a conductive matrix. International Journal of Biological Macromolecules, 2022, 223, 1-10.	3.6	7
636	A bioinspired strategy to construct dual-superlyophobic PPMB membrane for switchable oil/water separation. Journal of Membrane Science, 2023, 665, 121128.	4.1	5
637	MOFs and MOF-Derived Materials for Antibacterial Application. Journal of Functional Biomaterials, 2022, 13, 215.	1.8	36
638	Tannic acid/ethylenediamine/succinic acid graft modified PVDF anti-pollution membrane and its application in the field of organic pollutant separation. Journal of Materials Science, 0, , .	1.7	1
639	Multifunctionalization of self-assembled silver nanoparticle coated poly(ethyleneimine)/poly(diallyldimethylammonium chloride) modified silk fabric. Journal of the Textile Institute, 2023, 114, 1758-1768.	1.0	0
640	Simple Fabrication of Polycaprolactone-co-lactide Membrane with Silver Nanowires: Synthesis, Characterization and Cytotoxicity Studies. Fibers and Polymers, 2022, 23, 2983-2993.	1.1	0
641	â€œOne for moreâ€•functionalization by plant-inspired polyphenols assisted 3D printing. Additive Manufacturing, 2023, 61, 103294.	1.7	0
642	A Multifunctional Coating Strategy for Promotion of Immunomodulatory and Osteo/Angioâ€Genic Activity. Advanced Functional Materials, 2023, 33, .	7.8	11
643	One-pot synthesis of stable antioxidant metal-ornamented polyphenol supramolecular assemblies for material engineering. NPG Asia Materials, 2022, 14, .	3.8	3
644	Laccaseâ€Triggered Surface Coâ€Deposition of Gentisic Acid and Chitosan for Multifunctional Polymer Membranes. Advanced Materials Interfaces, 2023, 10, .	1.9	1
645	Recent Advances in Limiting Fatigue Damage Accumulation Induced by Self-Heating in Polymerâ€“Matrix Composites. Polymers, 2022, 14, 5384.	2.0	5
646	A 3D multifunctional bi-layer scaffold to regulate stem cell behaviors and promote osteochondral regeneration. Journal of Materials Chemistry B, 2023, 11, 1240-1261.	2.9	3
647	Copper electroless metallization of 3D printed poly(lactide acid) elements via tannic acid or polydopamine coatings and silver catalyst. Materials Today Communications, 2023, 34, 105332.	0.9	1
648	Steering CO₂electroreduction selectivity towards CH₄and C₂H₄on a tannic acid-modified Cu electrode. Materials Chemistry Frontiers, 2023, 7, 1395-1402.	3.2	3
649	Plant-Derived Polyphenol and LL-37 Peptide-Modified Nanofibrous Scaffolds for Promotion of Antibacterial Activity, Anti-Inflammation, and Type-H Vascularized Bone Regeneration. ACS Applied Materials & Interfaces, 2023, 15, 7804-7820.	4.0	7
650	Breaking the Photostability and pH Limitation of Haloâ€Fluoresceins through Chitosan Conjugation. Advanced Materials, 2023, 35, .	11.1	0

#	Article	IF	Citations
651	Fabrication of Cu2+-loaded phase-transited lysozyme nanofilm on bacterial cellulose: Antibacterial, anti-inflammatory, and pro-angiogenesis for bacteria-infected wound healing. Carbohydrate Polymers, 2023, 309, 120681.	5.1	18
652	Simultaneous deposition of tannic acid derivative and covalent conjugation of poly(2-methyl-2-oxazoline) for the construction of antifouling coatings. Colloids and Surfaces B: Biointerfaces, 2023, 224, 113194.	2.5	2
653	Polyphenols Coordinated with Cu (II) in an Aqueous System Build Ion-Channel Coatings on Hair Surfaces. Materials, 2023, 16, 1333.	1.3	0
654	Binary Carbon Modification Promoting the Electrochemical Performance of Silicon Anode for Lithiumâ€ion Batteries. ChemistrySelect, 2023, 8, .	0.7	1
655	Experimental Methods to Get Polydopamine Films: A Comparative Review on the Synthesis Methods, the Filmsâ€™ Composition and Properties. Macromolecular Rapid Communications, 2023, 44, .	2.0	3
656	Quercetin Nanoparticle-Based Hypoxia-Responsive Probe for Cancer Detection. ACS Applied Bio Materials, 2023, 6, 1546-1555.	2.3	0
657	Dynamic Metalâ€“Phenolic Coordination Complexes for Versatile Surface Nanopatterning. Journal of the American Chemical Society, 2023, 145, 7974-7982.	6.6	7
658	Synergistic Effect of Thermoresponsive and Photocuring Methacrylated Chitosan-Based Hybrid Hydrogels for Medical Applications. Pharmaceutics, 2023, 15, 1090.	2.0	4
659	Effect of surface modification of sisal fibers with polyphenols on the mechanical properties, interfacial adhesion and durability in cement-based matrices. Cellulose, 2023, 30, 4315-4336.	2.4	3
660	Bimodal Antimicrobial Surfaces of Phytic Acidâ€“Prussian Blue Nanoparticlesâ€“Cationic Polymer Networks. Advanced Science, 2023, 10, .	5.6	4
661	Adsorption of Tannic Acid onto Gold Surfaces. Langmuir, 2023, 39, 5851-5860.	1.6	4
662	Highâ€internal phase Pickering emulsion stabilized by crystals of nobiletin: assembly of supramolecular metalâ€polyphenolic coordination complexes for surface coating. Journal of the Science of Food and Agriculture, 0, , .	1.7	0
664	Nanoscale surface coatings based on plant phenolics. , 2023, , 195-216.		1
682	Bio-sourced and biodegradable materials for membrane fabrication. , 2023, , 169-208.		0
685	Room-temperature phosphorescent materials derived from natural resources. Nature Reviews Chemistry, 2023, 7, 800-812.	13.8	10