

Rongxin Su

List of Publications by Year in descending order

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305
papers

9,616
citations

31949

53
h-index

66879

78
g-index

315
all docs

315
docs citations

315
times ranked

11674
citing authors

#	ARTICLE	IF	CITATIONS
1	Construction of a bioinspired laccase-mimicking nanozyme for the degradation and detection of phenolic pollutants. <i>Applied Catalysis B: Environmental</i> , 2019, 254, 452-462.	10.8	228
2	Facile in Situ Synthesis of Silver Nanoparticles on Procyanidin-Grafted Eggshell Membrane and Their Catalytic Properties. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 4638-4649.	4.0	175
3	Ethanol production from high dry matter corn cob using fed-batch simultaneous saccharification and fermentation after combined pretreatment. <i>Bioresource Technology</i> , 2010, 101, 4959-4964.	4.8	174
4	Self-assembling peptide-polysaccharide hybrid hydrogel as a potential carrier for drug delivery. <i>Soft Matter</i> , 2011, 7, 6222.	1.2	170
5	Rational Design of Chiral Nanostructures from Self-Assembly of a Ferrocene-Modified Dipeptide. <i>Journal of the American Chemical Society</i> , 2015, 137, 7869-7880.	6.6	170
6	Constructing Redox-Responsive Metal-Organic Framework Nanocarriers for Anticancer Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16698-16706.	4.0	147
7	Integrating enzymatic and acid catalysis to convert glucose into 5-hydroxymethylfurfural. <i>Chemical Communications</i> , 2010, 46, 1115-1117.	2.2	142
8	A polydopamine-modified optical fiber SPR biosensor using electroless-plated gold films for immunoassays. <i>Biosensors and Bioelectronics</i> , 2015, 74, 454-460.	5.3	133
9	Fractionating lignocellulose by formic acid: Characterization of major components. <i>Biomass and Bioenergy</i> , 2010, 34, 525-532.	2.9	126
10	Affinity of rosmarinic acid to human serum albumin and its effect on protein conformation stability. <i>Food Chemistry</i> , 2016, 192, 178-187.	4.2	123
11	Bioconversion of Lignocellulose into Bioethanol: Process Intensification and Mechanism Research. <i>Bioenergy Research</i> , 2011, 4, 225-245.	2.2	117
12	A facile strategy for enzyme immobilization with highly stable hierarchically porous metal-organic frameworks. <i>Nanoscale</i> , 2017, 9, 17561-17570.	2.8	117
13	Grafting Hyaluronic Acid onto Gold Surface to Achieve Low Protein Fouling in Surface Plasmon Resonance Biosensors. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13034-13042.	4.0	116
14	Enhanced photocatalytic degradation of antibiotics in water over functionalized N,S-doped carbon quantum dots embedded ZnO nanoflowers under sunlight irradiation. <i>Chemical Engineering Journal</i> , 2020, 382, 123016.	6.6	116
15	Biomimetic surface coatings for marine antifouling: Natural antifoulants, synthetic polymers and surface microtopography. <i>Science of the Total Environment</i> , 2021, 766, 144469.	3.9	114
16	A carbon dot-based fluorescent probe for highly selective and sensitive detection of phytic acid. <i>Biosensors and Bioelectronics</i> , 2015, 70, 232-238.	5.3	107
17	Enhanced Enzymatic Hydrolysis of Lignocellulose by Optimizing Enzyme Complexes. <i>Applied Biochemistry and Biotechnology</i> , 2010, 160, 1407-1414.	1.4	106
18	Rational Design of Mimic Multienzyme Systems in Hierarchically Porous Biomimetic Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33407-33415.	4.0	103

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19	Superior Antifouling Performance of a Zwitterionic Peptide Compared to an Amphiphilic, Non-Ionic Peptide. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 22448-22457.	4.0	101
20	Synthesis of well-dispersed Ag nanoparticles on eggshell membrane for catalytic reduction of 4-nitrophenol. <i>Journal of Materials Science</i> , 2014, 49, 1639-1647.	1.7	100
21	Design and mechanisms of antifouling materials for surface plasmon resonance sensors. <i>Acta Biomaterialia</i> , 2016, 40, 100-118.	4.1	98
22	Reduction of Hexavalent Chromium Using Recyclable Pt/Pd Nanoparticles Immobilized on Procyanidin-Grafted Eggshell Membrane. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 13635-13643.	1.8	95
23	Fractional pretreatment of lignocellulose by alkaline hydrogen peroxide: Characterization of its major components. <i>Food and Bioproducts Processing</i> , 2015, 94, 322-330.	1.8	95
24	Solvent and surface controlled self-assembly of diphenylalanine peptide: from microtubes to nanofibers. <i>Soft Matter</i> , 2011, 7, 6418.	1.2	90
25	Porous-CLEAs of papain: Application to enzymatic hydrolysis of macromolecules. <i>Bioresource Technology</i> , 2011, 102, 3541-3545.	4.8	82
26	Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1308-1314.	7.2	81
27	Selective Synthesis of 2,5-Diformylfuran and 2,5-Furandicarboxylic Acid from 5-Hydroxymethylfurfural and Fructose Catalyzed by Magnetically Separable Catalysts. <i>Energy & Fuels</i> , 2017, 31, 533-541.	2.5	80
28	High-performance ultrafiltration membranes based on polyethersulfone-graphene oxide composites. <i>RSC Advances</i> , 2013, 3, 21394.	1.7	79
29	Hydrolysis of cellulose by sulfonated magnetic reduced graphene oxide. <i>Chemical Engineering Journal</i> , 2015, 280, 90-98.	6.6	78
30	Optimization and Application of Reflective LSPR Optical Fiber Biosensors Based on Silver Nanoparticles. <i>Sensors</i> , 2015, 15, 12205-12217.	2.1	77
31	Enhancing the Activity of Peptide-Based Artificial Hydrolase with Catalytic Ser/His/Asp Triad and Molecular Imprinting. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 14133-14141.	4.0	76
32	Advances in nanocellulose-based materials as adsorbents of heavy metals and dyes. <i>Carbohydrate Polymers</i> , 2021, 272, 118471.	5.1	76
33	Functionalized silica nanoparticles for conversion of fructose to 5-hydroxymethylfurfural. <i>Chemical Engineering Journal</i> , 2016, 296, 209-216.	6.6	75
34	Interaction between lysozyme and procyanidin: Multilevel structural nature and effect of carbohydrates. <i>Food Chemistry</i> , 2013, 138, 1596-1603.	4.2	73
35	Synthesis of silver nanoparticles within cross-linked lysozyme crystals as recyclable catalysts for 4-nitrophenol reduction. <i>Catalysis Science and Technology</i> , 2013, 3, 1910.	2.1	71
36	Self-Assembly of Amphiphilic Janus Particles into Monolayer Capsules for Enhanced Enzyme Catalysis in Organic Media. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 465-473.	4.0	71

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37	Electrostatic and Aromatic Interaction-Directed Supramolecular Self-Assembly of a Designed Fmoc-Triptide into Helical Nanoribbons. <i>Langmuir</i> , 2015, 31, 2885-2894.	1.6	70
38	Interfacial Polymerization of Dopamine in a Pickering Emulsion: Synthesis of Cross-Linkable Colloidosomes and Enzyme Immobilization at Oil/Water Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 14954-14964.	4.0	69
39	Copper nanocluster-based fluorescent sensors for sensitive and selective detection of kojic acid in food stuff. <i>Sensors and Actuators B: Chemical</i> , 2014, 195, 359-364.	4.0	67
40	Conjugation of Hyaluronic Acid onto Surfaces via the Interfacial Polymerization of Dopamine to Prevent Protein Adsorption. <i>Langmuir</i> , 2015, 31, 12061-12070.	1.6	66
41	Promising Techniques for Depolymerization of Lignin into Value-added Chemicals. <i>ChemCatChem</i> , 2019, 11, 639-654.	1.8	65
42	An effective in-situ method for laccase immobilization: Excellent activity, effective antibiotic removal rate and low potential ecological risk for degradation products. <i>Bioresource Technology</i> , 2020, 308, 123271.	4.8	65
43	Hierarchical, interface-induced self-assembly of diphenylalanine: formation of peptide nanofibers and microvesicles. <i>Nanotechnology</i> , 2011, 22, 245609.	1.3	64
44	Enhanced Ethanol Production from Pomelo Peel Waste by Integrated Hydrothermal Treatment, Multienzyme Formulation, and Fed-Batch Operation. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 4643-4651.	2.4	64
45	Cross-linking enzyme aggregates in the macropores of silica gel: A practical and efficient method for enzyme stabilization. <i>Biochemical Engineering Journal</i> , 2010, 52, 168-174.	1.8	62
46	Temperature-induced reversible self-assembly of diphenylalanine peptide and the structural transition from organogel to crystalline nanowires. <i>Nanoscale Research Letters</i> , 2014, 9, 653.	3.1	62
47	Catalytic Membrane Reactor Immobilized with Alloy Nanoparticle-Loaded Protein Fibrils for Continuous Reduction of 4-Nitrophenol. <i>Environmental Science & Technology</i> , 2016, 50, 11263-11273.	4.6	61
48	Insulin amyloid fibrillation studied by terahertz spectroscopy and other biophysical methods. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 862-867.	1.0	60
49	Preparation of Î ² -mannanase CLEAs using macromolecular cross-linkers. <i>Catalysis Science and Technology</i> , 2013, 3, 1937.	2.1	59
50	Preparation of amorphous MOF based biomimetic nanozyme with high laccase- and catecholase-like activity for the degradation and detection of phenolic compounds. <i>Chemical Engineering Journal</i> , 2022, 434, 134677.	6.6	59
51	Superhydrophobic, elastic and anisotropic cellulose nanofiber aerogels for highly effective oil/water separation. <i>Separation and Purification Technology</i> , 2022, 295, 121266.	3.9	59
52	A supramolecular approach to construct a hydrolase mimic with photo-switchable catalytic activity. <i>Journal of Materials Chemistry B</i> , 2018, 6, 2444-2449.	2.9	58
53	Three-dimensionally printed bioinspired superhydrophobic PLA membrane for oil-water separation. <i>AIChE Journal</i> , 2018, 64, 3700-3708.	1.8	57
54	Synthesis of superhydrophobic and high stable Zr-MOFs for oil-water separation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 602, 125102.	2.3	57

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55	Utilization of biodiesel by-product as substrate for high-production of Î²-farnesene via relatively balanced mevalonate pathway in Escherichia coli. <i>Bioresource Technology</i> , 2017, 243, 228-236.	4.8	54
56	Amphiphilic hydrogels for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2019, 7, 2899-2910.	2.9	54
57	Polydopamine-Assisted Surface Coating of MIL-53 and Dodecanethiol on a Melamine Sponge for Oil/Water Separation. <i>Langmuir</i> , 2020, 36, 1212-1220.	1.6	54
58	Preparation of laccase mimicking nanozymes and their catalytic oxidation of phenolic pollutants. <i>Catalysis Science and Technology</i> , 2021, 11, 3402-3410.	2.1	54
59	Construction of biomimetic nanozyme with high laccase- and catecholase-like activity for oxidation and detection of phenolic compounds. <i>Journal of Hazardous Materials</i> , 2022, 429, 128404.	6.5	54
60	Deciphering the binding patterns and conformation changes upon the bovine serum albumin-rosmarinic acid complex. <i>Food and Function</i> , 2015, 6, 2712-2726.	2.1	53
61	Aromatic Motifs Dictate Nanohelix Handedness of Tripeptides. <i>ACS Nano</i> , 2018, 12, 12305-12314.	7.3	53
62	Controllable synthesis of ZnO nanoflowers with structure-dependent photocatalytic activity. <i>Catalysis Today</i> , 2020, 355, 397-407.	2.2	53
63	3D Flower-like Micro/Nano Ce-Mo Composite Oxides as Effective Bifunctional Catalysts for One-Pot Conversion of Fructose to 2,5-Diformylfuran. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 4179-4187.	3.2	52
64	Highly Efficient Catalysis of Azo Dyes Using Recyclable Silver Nanoparticles Immobilized on Tannic Acid-Grafted Eggshell Membrane. <i>Nanoscale Research Letters</i> , 2016, 11, 440.	3.1	50
65	Bioinspired Peptide-Coated Superhydrophilic Poly(vinylidene fluoride) Membrane for Oil/Water Emulsion Separation. <i>Langmuir</i> , 2018, 34, 6621-6627.	1.6	50
66	Highly efficient and selective production of FFCA from CotA-TJ102 laccase-catalyzed oxidation of 5-HMF. <i>International Journal of Biological Macromolecules</i> , 2019, 128, 132-139.	3.6	50
67	CoMFA and CoMSIA analysis of ACE-inhibitory, antimicrobial and bitter-tasting peptides. <i>European Journal of Medicinal Chemistry</i> , 2014, 84, 100-106.	2.6	49
68	Dopamine-assisted deposition and zwitteration of hyaluronic acid for the nanoscale fabrication of low-fouling surfaces. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4084-4091.	2.9	48
69	Effect of Formic Acid on Conversion of Fructose to 5-Hydroxymethylfurfural in Aqueous/Butanol Media. <i>Bioenergy Research</i> , 2012, 5, 380-386.	2.2	46
70	Cross-linked lysozyme crystal templated synthesis of Au nanoparticles as high-performance recyclable catalysts. <i>Nanotechnology</i> , 2013, 24, 245601.	1.3	46
71	Kinetically controlled self-assembly of redox-active ferrocene-diphenylalanine: from nanospheres to nanofibers. <i>Nanotechnology</i> , 2013, 24, 465603.	1.3	46
72	Multilevel structural nature and interactions of bovine serum albumin during heat-induced aggregation process. <i>Food Hydrocolloids</i> , 2008, 22, 995-1005.	5.6	45

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73	Advances in carrier-bound and carrier-free immobilized nanobiocatalysts. <i>Chemical Engineering Science</i> , 2015, 135, 21-32.	1.9	42
74	Oriented Enzyme Immobilization at the Oil/Water Interface Enhances Catalytic Activity and Recyclability in a Pickering Emulsion. <i>Langmuir</i> , 2017, 33, 12317-12325.	1.6	42
75	Controlled adsorption of cellulase onto pretreated corncob by pH adjustment. <i>Cellulose</i> , 2012, 19, 371-380.	2.4	41
76	A casein-polysaccharide hybrid hydrogel cross-linked by transglutaminase for drug delivery. <i>Journal of Materials Science</i> , 2012, 47, 2045-2055.	1.7	41
77	Rationally Designed Peptidyl Virus-Like Particles Enable Targeted Delivery of Genetic Cargo. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14032-14036.	7.2	41
78	Self-Assembly of Peptide Hierarchical Helical Arrays with Sequence-Encoded Circularly Polarized Luminescence. <i>Nano Letters</i> , 2021, 21, 6406-6415.	4.5	41
79	Chiral self-assembly of peptides: Toward the design of supramolecular polymers with enhanced chemical and biological functions. <i>Progress in Polymer Science</i> , 2021, 123, 101469.	11.8	39
80	Understanding the key factors for enzymatic conversion of pretreated lignocellulose by partial least square analysis. <i>Biotechnology Progress</i> , 2010, 26, 384-392.	1.3	37
81	Enhancement of activity of cross-linked enzyme aggregates by a sugar-assisted precipitation strategy: Technical development and molecular mechanism. <i>Journal of Biotechnology</i> , 2011, 156, 30-38.	1.9	37
82	Reconfigurable Chiral Self-Assembly of Peptides through Control of Terminal Charges. <i>Small</i> , 2017, 13, 1700999.	5.2	37
83	Columnar Liquid Crystals Self-Assembled by Minimalistic Peptides for Chiral Sensing and Synthesis of Ordered Mesoporous Silica. <i>Chemistry of Materials</i> , 2018, 30, 7902-7911.	3.2	37
84	Biomimetic copper-cystine nanoleaves capable of laccase-like catalysis for the colorimetric detection of epinephrine. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 310-318.	2.3	37
85	Highly selective reductive catalytic fractionation at atmospheric pressure without hydrogen. <i>Green Chemistry</i> , 2021, 23, 1648-1657.	4.6	37
86	Laccase-catalyzed soy protein and gallic acid complexation: Effects on conformational structures and antioxidant activity. <i>Food Chemistry</i> , 2022, 375, 131865.	4.2	37
87	Glucomannan-mediated facile synthesis of gold nanoparticles for catalytic reduction of 4-nitrophenol. <i>Nanoscale Research Letters</i> , 2014, 9, 404.	3.1	36
88	One-pot synthesis of mercapto functionalized Zr-MOFs for the enhanced removal of Hg ²⁺ ions from water. <i>Chemical Communications</i> , 2019, 55, 6775-6778.	2.2	36
89	Calcium-Ion-Triggered Co-assembly of Peptide and Polysaccharide into a Hybrid Hydrogel for Drug Delivery. <i>Nanoscale Research Letters</i> , 2016, 11, 184.	3.1	35
90	Molecularly Imprinted Core-Shell CdSe@SiO ₂ /CDs as a Ratiometric Fluorescent Probe for 4-Nitrophenol Sensing. <i>Nanoscale Research Letters</i> , 2018, 13, 27.	3.1	35

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91	Construction of luffa sponge-based magnetic carbon nanocarriers for laccase immobilization and its application in the removal of bisphenol A. <i>Bioresource Technology</i> , 2020, 305, 123085.	4.8	35
92	Synergy between Zwitterionic Polymers and Hyaluronic Acid Enhances Antifouling Performance. <i>Langmuir</i> , 2019, 35, 15535-15542.	1.6	34
93	Sandwich-Like Sensor for the Highly Specific and Reproducible Detection of Rhodamine 6G on a Surface-Enhanced Raman Scattering Platform. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 4699-4706.	4.0	34
94	Controllable synthesis of a sponge-like Z-scheme N,S-CQDs/Bi ₂ MoO ₆ @TiO ₂ film with enhanced photocatalytic and antimicrobial activity under visible/NIR light irradiation. <i>Journal of Hazardous Materials</i> , 2022, 429, 128310.	6.5	34
95	Physicochemical Strategies for Inhibition of Amyloid Fibril Formation: An Overview of Recent Advances. <i>Current Medicinal Chemistry</i> , 2012, 19, 4157-4174.	1.2	33
96	Bioinspired fabrication of optical fiber SPR sensors for immunoassays using polydopamine-accelerated electroless plating. <i>Journal of Materials Chemistry C</i> , 2016, 4, 7554-7562.	2.7	33
97	Interactions between Lubricin and Hyaluronic Acid Synergistically Enhance Antiadhesive Properties. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18090-18102.	4.0	33
98	Green fluorescent protein inspired fluorophores. <i>Advances in Colloid and Interface Science</i> , 2020, 285, 102286.	7.0	33
99	Microfluidic Synthesis of Lignin/Chitosan Nanoparticles for the pH-Responsive Delivery of Anticancer Drugs. <i>Langmuir</i> , 2021, 37, 7219-7226.	1.6	33
100	Simultaneous production of multi-functional peptides by pancreatic hydrolysis of bovine casein in an enzymatic membrane reactor via combinational chromatography. <i>Food Chemistry</i> , 2013, 141, 2944-2951.	4.2	32
101	Gold Nanoparticle-Aptamer-Based LSPR Sensing of Ochratoxin A at a Widened Detection Range by Double Calibration Curve Method. <i>Frontiers in Chemistry</i> , 2018, 6, 94.	1.8	32
102	Structures and Antifouling Properties of Self-Assembled Zwitterionic Peptide Monolayers: Effects of Peptide Charge Distributions and Divalent Cations. <i>Biomacromolecules</i> , 2020, 21, 2087-2095.	2.6	32
103	Bioinspired Phosphatase-like Mimic Built from the Self-Assembly of De Novo Designed Helical Short Peptides. <i>ACS Catalysis</i> , 2021, 11, 5839-5849.	5.5	32
104	Pancreatic hydrolysis of bovine casein: Identification and release kinetics of phosphopeptides. <i>Food Chemistry</i> , 2007, 104, 276-286.	4.2	31
105	Green Synthesis of a Gold Nanoparticle@Nanocluster Composite Nanostructures Using Trypsin as Linking and Reducing Agents. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 1398-1404.	3.2	31
106	Recycling cellulases by pH-triggered adsorption-desorption during the enzymatic hydrolysis of lignocellulosic biomass. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 5765-5774.	1.7	31
107	Capillary Force-Driven, Hierarchical Co-Assembly of Dandelion-Like Peptide Microstructures. <i>Small</i> , 2015, 11, 2893-2902.	5.2	31
108	Cascade catalysis via dehydration and oxidation: one-pot synthesis of 2,5-diformylfuran from fructose using acid and V ₂ O ₅ /ceramic catalysts. <i>RSC Advances</i> , 2017, 7, 7560-7566.	1.7	31

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109	Mechanistic and conformational studies on the interaction of human serum albumin with rhodamine B by NMR, spectroscopic and molecular modeling methods. <i>Journal of Molecular Liquids</i> , 2020, 316, 113889.	2.3	31
110	Tunable Design of Structural Colors Produced by Pseudo-1D Photonic Crystals of Graphene Oxide. <i>Small</i> , 2016, 12, 3433-3443.	5.2	30
111	Design of elution strategy for simultaneous detection of chloramphenicol and gentamicin in complex samples using surface plasmon resonance. <i>Biosensors and Bioelectronics</i> , 2017, 92, 266-272.	5.3	30
112	High-efficiency and low-cost production of cadaverine from a permeabilized-cell bioconversion by a Lysine-induced engineered <i>Escherichia coli</i> . <i>Bioresource Technology</i> , 2020, 302, 122844.	4.8	29
113	Lipase immobilized on novel ceramic supporter with Ni activation for efficient cinnamyl acetate synthesis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 110, 32-38.	1.8	27
114	Cinnamyl acetate synthesis by lipase-catalyzed transesterification in a solvent-free system. <i>Biotechnology and Applied Biochemistry</i> , 2012, 59, 270-275.	1.4	26
115	Greener production of cellulose nanocrystals: An optimised design and life cycle assessment. <i>Journal of Cleaner Production</i> , 2022, 345, 131073.	4.6	26
116	Elucidating the Influence of Gold Nanoparticles on the Binding of Salvianolic Acid B and Rosmarinic Acid to Bovine Serum Albumin. <i>PLoS ONE</i> , 2015, 10, e0118274.	1.1	25
117	Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. <i>Angewandte Chemie</i> , 2019, 131, 1322-1328.	1.6	25
118	Construction of a Mercapto-Functionalized Zr-MOF/Melamine Sponge Composite for the Efficient Removal of Oils and Heavy Metal Ions from Water. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 13220-13227.	1.8	25
119	Purification, characterization, and production of Î ² -mannanase from <i>Bacillus subtilis</i> TJ-102 and its application in gluco-mannooligosaccharides preparation. <i>European Food Research and Technology</i> , 2013, 237, 399-408.	1.6	24
120	Detection of tubule boundaries based on circular shortest path and polar transformation of arbitrary shapes. <i>Journal of Microscopy</i> , 2016, 264, 127-142.	0.8	24
121	Bioorganometallic ferrocene-tripeptide nanoemulsions. <i>Nanoscale</i> , 2017, 9, 15323-15331.	2.8	24
122	Chelate immobilization of amylase on metal ceramic powder: Preparation, characterization and application. <i>Biochemical Engineering Journal</i> , 2013, 77, 190-197.	1.8	23
123	Green synthesis of gold nanoparticles using aspartame and their catalytic activity for p-nitrophenol reduction. <i>Nanoscale Research Letters</i> , 2015, 10, 213.	3.1	23
124	Frontiers in process development, integration and intensification for circular life cycles and reduced emissions. <i>Journal of Cleaner Production</i> , 2018, 201, 178-191.	4.6	23
125	Self-Assembled Microporous Peptide-Polysaccharide Aerogels for Oil-Water Separation. <i>Langmuir</i> , 2018, 34, 10732-10738.	1.6	23
126	Molecularly imprinted peptide-based enzyme mimics with enhanced activity and specificity. <i>Soft Matter</i> , 2020, 16, 7033-7039.	1.2	23

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127	Enzymatic saccharification of pretreated corn stover in a fed-batch membrane bioreactor. <i>Bioenergy Research</i> , 2011, 4, 134-140.	2.2	22
128	Enzymatic hydrolysis of lignocellulose: SEC-MALLS analysis and reaction mechanism. <i>RSC Advances</i> , 2013, 3, 1871-1877.	1.7	22
129	Integrating chromium-based ceramic and acid catalysis to convert glucose into 5-hydroxymethylfurfural. <i>Renewable Energy</i> , 2018, 125, 327-333.	4.3	22
130	Improved conversion efficiency of Lignin-to-Fuel conversion by limiting catalyst deactivation. <i>Chemical Engineering Journal</i> , 2021, 410, 128270.	6.6	22
131	Pancreatic hydrolysis of bovine casein: Peptide release and time-dependent reaction behavior. <i>Food Chemistry</i> , 2012, 133, 851-858.	4.2	21
132	Sensitive and Efficient Electrochemical Determination of Kojic Acid in Foodstuffs Based on Graphene-Pt Nanocomposite-Modified Electrode. <i>Food Analytical Methods</i> , 2014, 7, 109-115.	1.3	21
133	Recyclable Strategy for the Production of High-Purity Galacto-oligosaccharides by <i>Kluyveromyces lactis</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 5679-5685.	2.4	21
134	Three-Dimensionally Printed Bioinspired Superhydrophobic Packings for Oil-in-Water Emulsion Separation. <i>Langmuir</i> , 2019, 35, 12799-12806.	1.6	21
135	Chiral photonic materials self-assembled by cellulose nanocrystals. <i>Current Opinion in Solid State and Materials Science</i> , 2022, 26, 101017.	5.6	21
136	Exploration of Intrinsic Lipase-Like Activity of Zirconium-Based Metal-Organic Frameworks. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 4579-4585.	1.0	20
137	Rational design of a thermophilic β -mannanase from <i>Bacillus subtilis</i> TJ-102 to improve its thermostability. <i>Enzyme and Microbial Technology</i> , 2018, 118, 50-56.	1.6	20
138	Tannic acid-assisted fabrication of Fe-Pd nanoparticles for stable rapid dechlorination of two organochlorides. <i>Chemical Engineering Journal</i> , 2018, 352, 716-721.	6.6	20
139	Fluorescent silicon nanoparticles inhibit the amyloid fibrillation of insulin. <i>Journal of Materials Chemistry B</i> , 2019, 7, 1397-1403.	2.9	20
140	Role of molecular chirality and solvents in directing the self-assembly of peptide into an ultra-pH-sensitive hydrogel. <i>Journal of Colloid and Interface Science</i> , 2020, 577, 388-396.	5.0	20
141	Structure-tunable assembly of lignin sub-micro spheres by modifying the amphiphilic interfaces of lignin via n-alkane. <i>European Polymer Journal</i> , 2020, 126, 109539.	2.6	20
142	Synergistic effect of polystyrene nanoplastics and contaminants on the promotion of insulin fibrillation. <i>Ecotoxicology and Environmental Safety</i> , 2021, 214, 112115.	2.9	20
143	Shape evolution and thermal stability of lysozyme crystals: effect of pH and temperature. <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 91-99.	1.7	19
144	Study of the Interaction Between Coenzyme Q10 and Human Serum Albumin: Spectroscopic Approach. <i>Journal of Solution Chemistry</i> , 2014, 43, 585-607.	0.6	19

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290	Enhanced Polychromatic Luminescence of Bionic Peptidyl Nanoparticles Driven by Hydrogen Bonds. <i>Particle and Particle Systems Characterization</i> , 0, , 2100260.	1.2	2
291	EFFECT OF PHOSPHORYLATION ON THE RETENTION BEHAVIOR OF PEPTIDES IN ION PAIRING REVERSED-PHASE HPLC BASED ON A PREDICTION MODEL. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2010, 33, 733-747.	0.5	1
292	Photonic Crystals: Tunable Design of Structural Colors Produced by Pseudo-1D Photonic Crystals of Graphene Oxide (Small 25/2016). <i>Small</i> , 2016, 12, 3432-3432.	5.2	1
293	Peptide Biomaterials: Photo-Induced Polymerization and Reconfigurable Assembly of Multifunctional Ferrocene-Tyrosine (Small 25/2018). <i>Small</i> , 2018, 14, 1870118.	5.2	1
294	Protamine-Induced condensation of peptide nanofilaments into twisted bundles with controlled helical geometry. <i>Journal of Peptide Science</i> , 2019, 25, e3176.	0.8	1
295	Interactions of Transition Metal Dichalcogenide Nanosheets With Mucin: Quartz Crystal Microbalance With Dissipation, Surface Plasmon Resonance, and Spectroscopic Probing. <i>Frontiers in Chemistry</i> , 2019, 7, 166.	1.8	1
296	Rapid enrichment of peptides with calcium-chelating capacity and characterization of physical chemical properties. <i>Acta Alimentaria</i> , 2019, 48, 466-476.	0.3	1
297	Enzyme-free visualization of nucleic acids during HIV infection by octopus-like DNA. <i>International Journal of Biological Macromolecules</i> , 2020, 150, 122-128.	3.6	1
298	Hydrodynamically driven self-assembly of lignin bowls and spheres by line-type micro-mixer. <i>Chemical Engineering Science</i> , 2022, 250, 117390.	1.9	1
299	Self-assembly of Fibonacci number spirals in amyloid-like nanofibril films. <i>Science China Materials</i> , 2022, 65, 3150-3156.	3.5	1
300	Regeneration of insulin monomers from amyloid fibrils by a NH ₃ /H ₂ O ₂ two-step method. <i>Biotechnology Letters</i> , 2012, 34, 1959-1964.	1.1	0
301	Advanced Methods and Technology in Biomedicine and Biology. <i>Biotechnology and Biotechnological Equipment</i> , 2013, 27, 3909-3910.	0.5	0
302	Peptide Microstructures: Capillary Force-Driven, Hierarchical Co-Assembly of Dandelion-Like Peptide Microstructures (Small 24/2015). <i>Small</i> , 2015, 11, 2830-2830.	5.2	0
303	Counterion-Directed Assembly: Counterion-Directed, Structurally Tunable Assembly of Hydrogels, Membranes, and Sacs at Aqueous Liquid-Liquid Interfaces (Adv. Mater. Interfaces 5/2016). <i>Advanced Materials Interfaces</i> , 2016, 3, .	1.9	0
304	Innentitelbild: Rationally Designed Peptidyl Virus-Like Particles Enable Targeted Delivery of Genetic Cargo (Angew. Chem. 43/2018). <i>Angewandte Chemie</i> , 2018, 130, 14134-14134.	1.6	0
305	Frontispiece: Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. <i>Angewandte Chemie - International Edition</i> , 2019, 58, .	7.2	0