Renliang Huang

List of Publications by Citations

218 papers	5,357 citations	42 h-index	62 g-index
228 ext. papers	6,675 ext. citations	6.9 avg, IF	6.1 L-index

#	Paper	IF	Citations
218	Ethanol production from high dry matter corncob using fed-batch simultaneous saccharification and fermentation after combined pretreatment. *Bioresource Technology*, **2010**, 101, 4959-64	11	149
217	Facile in situ synthesis of silver nanoparticles on procyanidin-grafted eggshell membrane and their catalytic properties. *ACS Applied Materials & Interfaces*, **2014**, 6, 4638-49	9.5	147
216	Self-assembling peptide–polysaccharide hybrid hydrogel as a potential carrier for drug delivery. *Soft Matter*, **2011**, 7, 6222	3.6	139
215	Integrating enzymatic and acid catalysis to convert glucose into 5-hydroxymethylfurfural. *Chemical Communications*, **2010**, 46, 1115-7	5.8	129
214	Rational Design of Chiral Nanostructures from Self-Assembly of a Ferrocene-Modified Dipeptide. *Journal of the American Chemical Society*, **2015**, 137, 7869-80	16.4	121
213	Bioconversion of Lignocellulose into Bioethanol: Process Intensification and Mechanism Research. *Bioenergy Research*, **2011**, 4, 225-245	3.1	109
212	Fractionating lignocellulose by formic acid: Characterization of major components. *Biomass and Bioenergy*, **2010**, 34, 525-532	5.3	107
211	Constructing Redox-Responsive Metal-Organic Framework Nanocarriers for Anticancer Drug Delivery. *ACS Applied Materials & Interfaces*, **2018**, 10, 16698-16706	9.5	100
210	Grafting hyaluronic acid onto gold surface to achieve low protein fouling in surface plasmon resonance biosensors. *ACS Applied Materials & Interfaces*, **2014**, 6, 13034-42	9.5	97
209	A polydopamine-modified optical fiber SPR biosensor using electroless-plated gold films for immunoassays. *Biosensors and Bioelectronics*, **2015**, 74, 454-60	11.8	95
208	A carbon dot-based "off-on" fluorescent probe for highly selective and sensitive detection of phytic acid. *Biosensors and Bioelectronics*, **2015**, 70, 232-8	11.8	94
207	Synthesis of well-dispersed Ag nanoparticles on eggshell membrane for catalytic reduction of 4-nitrophenol. *Journal of Materials Science*, **2014**, 49, 1639-1647	4.3	91
206	Enhanced enzymatic hydrolysis of lignocellulose by optimizing enzyme complexes. *Applied Biochemistry and Biotechnology*, **2010**, 160, 1407-14	3.2	91
205	Construction of a bioinspired laccase-mimicking nanozyme for the degradation and detection of phenolic pollutants. *Applied Catalysis B: Environmental*, **2019**, 254, 452-462	21.8	82
204	A facile strategy for enzyme immobilization with highly stable hierarchically porous metal-organic frameworks. *Nanoscale*, **2017**, 9, 17561-17570	7.7	81
203	Reduction of Hexavalent Chromium Using Recyclable Pt/Pd Nanoparticles Immobilized on Procyanidin-Grafted Eggshell Membrane. *Industrial & Engineering Chemistry Research*, **2014**, 53, 13635-13643	3.9	79
202	Fractional pretreatment of lignocellulose by alkaline hydrogen peroxide: Characterization of its major components. *Food and Bioproducts Processing*, **2015**, 94, 322-330	4.9	78

201	Solvent and surface controlled self-assembly of diphenylalanine peptide: from microtubes to nanofibers. *Soft Matter*, **2011**, 7, 6418	3.6	74
200	Superior Antifouling Performance of a Zwitterionic Peptide Compared to an Amphiphilic, Non-Ionic Peptide. *ACS Applied Materials & Interfaces*, **2015**, 7, 22448-57	9.5	70
199	Design and mechanisms of antifouling materials for surface plasmon resonance sensors. *Acta Biomaterialia*, **2016**, 40, 100-118	10.8	68
198	Enhanced photocatalytic degradation of antibiotics in water over functionalized N,S-doped carbon quantum dots embedded ZnO nanoflowers under sunlight irradiation. *Chemical Engineering Journal* , **2020**, 382, 123016	14.7	65
197	Hydrolysis of cellulose by sulfonated magnetic reduced graphene oxide. *Chemical Engineering Journal*, **2015**, 280, 90-98	14.7	63
196	Self-assembly of peptide-based colloids containing lipophilic nanocrystals. *Small*, **2008**, 4, 1687-93	11	63
195	Rational Design of Mimic Multienzyme Systems in Hierarchically Porous Biomimetic Metal-Organic Frameworks. *ACS Applied Materials & Interfaces*, **2018**, 10, 33407-33415	9.5	62
194	Synthesis of silver nanoparticles within cross-linked lysozyme crystals as recyclable catalysts for 4-nitrophenol reduction. *Catalysis Science and Technology*, **2013**, 3, 1910	5.5	61
193	Self-assembly of amphiphilic janus particles into monolayer capsules for enhanced enzyme catalysis in organic media. *ACS Applied Materials & Interfaces*, **2015**, 7, 465-73	9.5	60
192	Copper nanocluster-based fluorescent sensors for sensitive and selective detection of kojic acid in food stuff. *Sensors and Actuators B: Chemical*, **2014**, 195, 359-364	8.5	59
191	Interfacial Polymerization of Dopamine in a Pickering Emulsion: Synthesis of Cross-Linkable Colloidosomes and Enzyme Immobilization at Oil/Water Interfaces. *ACS Applied Materials & Interfaces*, **2015**, 7, 14954-64	9.5	58
190	Functionalized silica nanoparticles for conversion of fructose to 5-hydroxymethylfurfural. *Chemical Engineering Journal*, **2016**, 296, 209-216	14.7	57
189	Electrostatic and aromatic interaction-directed supramolecular self-assembly of a designed Fmoc-tripeptide into helical nanoribbons. *Langmuir*, **2015**, 31, 2885-94	4	56
188	Optimization and application of reflective LSPR optical fiber biosensors based on silver nanoparticles. *Sensors*, **2015**, 15, 12205-17	3.8	55
187	Hierarchical, interface-induced self-assembly of diphenylalanine: formation of peptide nanofibers and microvesicles. *Nanotechnology*, **2011**, 22, 245609	3.4	55
186	Conjugation of Hyaluronic Acid onto Surfaces via the Interfacial Polymerization of Dopamine to Prevent Protein Adsorption. *Langmuir*, **2015**, 31, 12061-70	4	54
185	Selective Synthesis of 2,5-Diformylfuran and 2,5-Furandicarboxylic Acid from 5-Hydroxymethylfurfural and Fructose Catalyzed by Magnetically Separable Catalysts. *Energy & Fuels*, **2017**, 31, 533-541	4.1	53
184	Enhancing the Activity of Peptide-Based Artificial Hydrolase with Catalytic Ser/His/Asp Triad and Molecular Imprinting. *ACS Applied Materials & Interfaces*, **2016**, 8, 14133-41	9.5	50

183	Insulin amyloid fibrillation studied by terahertz spectroscopy and other biophysical methods. *Biochemical and Biophysical Research Communications*, **2010**, 391, 862-7	3.4	48
182	Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. *Angewandte Chemie - International Edition*, **2019**, 58, 1308-1314	16.4	47
181	Deciphering the binding patterns and conformation changes upon the bovine serum albumin-rosmarinic acid complex. *Food and Function*, **2015**, 6, 2712-26	6.1	45
180	Catalytic Membrane Reactor Immobilized with Alloy Nanoparticle-Loaded Protein Fibrils for Continuous Reduction of 4-Nitrophenol. *Environmental Science & Technology*, **2016**, 50, 11263-11273	10.3	44
179	Enhanced ethanol production from pomelo peel waste by integrated hydrothermal treatment, multienzyme formulation, and fed-batch operation. *Journal of Agricultural and Food Chemistry*, **2014**, 62, 4643-51	5.7	43
178	Kinetically controlled self-assembly of redox-active ferrocene-diphenylalanine: from nanospheres to nanofibers. *Nanotechnology*, **2013**, 24, 465603	3.4	43
177	Temperature-induced reversible self-assembly of diphenylalanine peptide and the structural transition from organogel to crystalline nanowires. *Nanoscale Research Letters*, **2014**, 9, 653	5	42
176	Cross-linked lysozyme crystal templated synthesis of Au nanoparticles as high-performance recyclable catalysts. *Nanotechnology*, **2013**, 24, 245601	3.4	41
175	Promising Techniques for Depolymerization of Lignin into Value-added Chemicals. *ChemCatChem*, **2019**, 11, 639-654	5.2	41
174	Dopamine-assisted deposition and zwitteration of hyaluronic acid for the nanoscale fabrication of low-fouling surfaces. *Journal of Materials Chemistry B*, **2016**, 4, 4084-4091	7.3	40
173	3D Flower-like Micro/Nano CeMo Composite Oxides as Effective Bifunctional Catalysts for One-Pot Conversion of Fructose to 2,5-Diformylfuran. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 4179-4187	8.3	38
172	Highly Efficient Catalysis of Azo Dyes Using Recyclable Silver Nanoparticles Immobilized on Tannic Acid-Grafted Eggshell Membrane. *Nanoscale Research Letters*, **2016**, 11, 440	5	38
171	Three-dimensionally printed bioinspired superhydrophobic PLA membrane for oil-water separation. *AICHE Journal*, **2018**, 64, 3700-3708	3.6	38
170	Controlled adsorption of cellulase onto pretreated corncob by pH adjustment. *Cellulose*, **2012**, 19, 371-380	5.5	37
169	Effect of Formic Acid on Conversion of Fructose to 5-Hydroxymethylfurfural in Aqueous/Butanol Media. *Bioenergy Research*, **2012**, 5, 380-386	3.1	37
168	Advances in carrier-bound and carrier-free immobilized nanobiocatalysts. *Chemical Engineering Science*, **2015**, 135, 21-32	4.4	34
167	Bioinspired Peptide-Coated Superhydrophilic Poly(vinylidene fluoride) Membrane for Oil/Water Emulsion Separation. *Langmuir*, **2018**, 34, 6621-6627	4	34
166	A casein-polysaccharide hybrid hydrogel cross-linked by transglutaminase for drug delivery. *Journal of Materials Science*, **2012**, 47, 2045-2055	4.3	33

165	Oriented Enzyme Immobilization at the Oil/Water Interface Enhances Catalytic Activity and Recyclability in a Pickering Emulsion. *Langmuir*, **2017**, 33, 12317-12325	4	32
164	Amphiphilic hydrogels for biomedical applications. *Journal of Materials Chemistry B*, **2019**, 7, 2899-2910	7.3	32
163	Understanding the key factors for enzymatic conversion of pretreated lignocellulose by partial least square analysis. *Biotechnology Progress*, **2010**, 26, 384-92	2.8	32
162	Synthesis of superhydrophobic and high stable Zr-MOFs for oil-water separation. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 602, 125102	5.1	31
161	Integrating interfacial self-assembly and electrostatic complexation at an aqueous interface for capsule synthesis and enzyme immobilization. *Journal of Materials Chemistry A*, **2014**, 2, 1672-1676	13	31
160	Aromatic Motifs Dictate Nanohelix Handedness of Tripeptides. *ACS Nano*, **2018**, 12, 12305-12314	16.7	30
159	Columnar Liquid Crystals Self-Assembled by Minimalistic Peptides for Chiral Sensing and Synthesis of Ordered Mesoporous Silica. *Chemistry of Materials*, **2018**, 30, 7902-7911	9.6	28
158	Polydopamine-Assisted Surface Coating of MIL-53 and Dodecanethiol on a Melamine Sponge for Oil-Water Separation. *Langmuir*, **2020**, 36, 1212-1220	4	27
157	Green Synthesis of a Gold Nanoparticle Nanocluster Composite Nanostructures Using Trypsin as Linking and Reducing Agents. *ACS Sustainable Chemistry and Engineering*, **2013**, 1, 1398-1404	8.3	27
156	Capillary Force-Driven, Hierarchical Co-Assembly of Dandelion-Like Peptide Microstructures. *Small*, **2015**, 11, 2893-902	11	27
155	Two-dimensional MOF-derived nanoporous Cu/Cu2O networks as catalytic membrane reactor for the continuous reduction of p-nitrophenol. *Journal of Membrane Science*, **2019**, 582, 30-36	9.6	26
154	Encapsulation of enzyme via one-step template-free formation of stable organic-inorganic capsules: A simple and efficient method for immobilizing enzyme with high activity and recyclability. *Biotechnology and Bioengineering*, **2015**, 112, 1092-101	4.9	26
153	A supramolecular approach to construct a hydrolase mimic with photo-switchable catalytic activity. *Journal of Materials Chemistry B*, **2018**, 6, 2444-2449	7.3	26
152	Recycling cellulases by pH-triggered adsorption-desorption during the enzymatic hydrolysis of lignocellulosic biomass. *Applied Microbiology and Biotechnology*, **2014**, 98, 5765-74	5.7	26
151	Glucomannan-mediated facile synthesis of gold nanoparticles for catalytic reduction of 4-nitrophenol. *Nanoscale Research Letters*, **2014**, 9, 404	5	26
150	Rationally Designed Peptidyl Virus-Like Particles Enable Targeted Delivery of Genetic Cargo. *Angewandte Chemie - International Edition*, **2018**, 57, 14032-14036	16.4	25
149	Molecularly Imprinted Core-Shell CdSe@SiO/CDs as a Ratiometric Fluorescent Probe for 4-Nitrophenol Sensing. *Nanoscale Research Letters*, **2018**, 13, 27	5	24
148	Tunable Design of Structural Colors Produced by Pseudo-1D Photonic Crystals of Graphene Oxide. *Small*, **2016**, 12, 3433-43	11	24

147	Reconfigurable Chiral Self-Assembly of Peptides through Control of Terminal Charges. *Small*, **2017**, 13, 1700999	11	24
146	Bioinspired fabrication of optical fiber SPR sensors for immunoassays using polydopamine-accelerated electroless plating. *Journal of Materials Chemistry C*, **2016**, 4, 7554-7562	7.1	23
145	Lipase immobilized on novel ceramic supporter with Ni activation for efficient cinnamyl acetate synthesis. *Journal of Molecular Catalysis B: Enzymatic*, **2014**, 110, 32-38		23
144	Biomimetic surface coatings for marine antifouling: Natural antifoulants, synthetic polymers and surface microtopography. *Science of the Total Environment*, **2021**, 766, 144469	10.2	23
143	Cascade catalysis via dehydration and oxidation: one-pot synthesis of 2,5-diformylfuran from fructose using acid and V2O5/ceramic catalysts. *RSC Advances*, **2017**, 7, 7560-7566	3.7	22
142	Design of elution strategy for simultaneous detection of chloramphenicol and gentamicin in complex samples using surface plasmon resonance. *Biosensors and Bioelectronics*, **2017**, 92, 266-272	11.8	22
141	Gold Nanoparticle-Aptamer-Based LSPR Sensing of Ochratoxin A at a Widened Detection Range by Double Calibration Curve Method. *Frontiers in Chemistry*, **2018**, 6, 94	5	22
140	Calcium-Ion-Triggered Co-assembly of Peptide and Polysaccharide into a Hybrid Hydrogel for Drug Delivery. *Nanoscale Research Letters*, **2016**, 11, 184	5	21
139	Bioorganometallic ferrocene-tripeptide nanoemulsions. *Nanoscale*, **2017**, 9, 15323-15331	7.7	21
138	Controllable synthesis of ZnO nanoflowers with structure-dependent photocatalytic activity. *Catalysis Today*, **2020**, 355, 397-407	5.3	20
137	Advances in nanocellulose-based materials as adsorbents of heavy metals and dyes. *Carbohydrate Polymers*, **2021**, 272, 118471	10.3	20
136	Synergy between Zwitterionic Polymers and Hyaluronic Acid Enhances Antifouling Performance. *Langmuir*, **2019**, 35, 15535-15542	4	19
135	One-pot synthesis of mercapto functionalized Zr-MOFs for the enhanced removal of Hg ions from water. *Chemical Communications*, **2019**, 55, 6775-6778	5.8	19
134	Green synthesis of gold nanoparticles using aspartame and their catalytic activity for p-nitrophenol reduction. *Nanoscale Research Letters*, **2015**, 10, 213	5	19
133	Enzymatic hydrolysis of lignocellulose: SEC-MALLS analysis and reaction mechanism. *RSC Advances*, **2013**, 3, 1871-1877	3.7	19
132	Chelate immobilization of amylase on metal ceramic powder: Preparation, characterization and application. *Biochemical Engineering Journal*, **2013**, 77, 190-197	4.2	19
131	Self-Assembled Microporous Peptide-Polysaccharide Aerogels for Oil-Water Separation. *Langmuir*, **2018**, 34, 10732-10738	4	18
130	Elucidating the influence of gold nanoparticles on the binding of salvianolic acid B and rosmarinic acid to bovine serum albumin. *PLoS ONE*, **2015**, 10, e0118274	3.7	18

129	Enzymatic saccharification of pretreated corn stover in a fed-batch membrane bioreactor. *Bioenergy Research*, **2011**, 4, 134-140	3.1	18
128	Interactions between Lubricin and Hyaluronic Acid Synergistically Enhance Antiadhesive Properties. *ACS Applied Materials & Interfaces*, **2019**, 11, 18090-18102	9.5	17
127	Jet flow directed supramolecular self-assembly at aqueous liquid–liquid interface. *RSC Advances*, **2014**, 4, 15340	3.7	16
126	Production enhancement of 5-hydroxymethyl furfural from fructose via mechanical stirring control and high-fructose solution addition. *Journal of Chemical Technology and Biotechnology*, **2014**, 89, 56-64	3.5	16
125	Pancreatic hydrolysis of bovine casein: Changes in the aggregate size and molecular weight distribution. *Food Chemistry*, **2008**, 107, 151-157	8.5	16
124	Superior Catalytic Performance of Gold Nanoparticles Within Small Cross-Linked Lysozyme Crystals. *Langmuir*, **2016**, 32, 10895-10904	4	16
123	Long-range ordered graphite oxide liquid crystals. *Chemical Communications*, **2014**, 50, 7776-9	5.8	15
122	Enhanced enzymatic hydrolysis of corncob by ultrasound-assisted soaking in aqueous ammonia pretreatment. *3 Biotech*, **2018**, 8, 166	2.8	14
121	One-pot conversions of carbohydrates to 5-hydroxymethylfurfural using Sn-ceramic powder and hydrochloric acid. *Catalysis Today*, **2018**, 302, 94-99	5.3	14
120	Tannic acid-assisted fabrication of Fe-Pd nanoparticles for stable rapid dechlorination of two organochlorides. *Chemical Engineering Journal*, **2018**, 352, 716-721	14.7	14
119	Enhanced enzymatic hydrolysis of lignocellulose by integrated decrystallization and fed-batch operation. *RSC Advances*, **2014**, 4, 44659-44665	3.7	14
118	Ethanol Production from High-Solid SSCF of Alkaline-Pretreated Corncob Using Recombinant Zymomonas mobilis CP4. *Bioenergy Research*, **2013**, 6, 292-299	3.1	14
117	Three-Dimensionally Printed Bioinspired Superhydrophobic Packings for Oil-in-Water Emulsion Separation. *Langmuir*, **2019**, 35, 12799-12806	4	13
116	Construction of luffa sponge-based magnetic carbon nanocarriers for laccase immobilization and its application in the removal of bisphenol A. *Bioresource Technology*, **2020**, 305, 123085	11	13
115	Structures and Antifouling Properties of Self-Assembled Zwitterionic Peptide Monolayers: Effects of Peptide Charge Distributions and Divalent Cations. *Biomacromolecules*, **2020**, 21, 2087-2095	6.9	13
114	Integrating chromium-based ceramic and acid catalysis to convert glucose into 5-hydroxymethylfurfural. *Renewable Energy*, **2018**, 125, 327-333	8.1	13
113	Green fluorescent protein inspired fluorophores. *Advances in Colloid and Interface Science*, **2020**, 285, 102286	14.3	13
112	Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. *Angewandte Chemie*, **2019**, 131, 1322-1328	3.6	13

111	Exploration of Intrinsic Lipase-Like Activity of Zirconium-Based Metal-Organic Frameworks. *European Journal of Inorganic Chemistry*, **2018**, 2018, 4579-4585	2.3	13
110	Photo-Induced Polymerization and Reconfigurable Assembly of Multifunctional Ferrocene-Tyrosine. *Small*, **2018**, 14, e1800772	11	13
109	Highly selective reductive catalytic fractionation at atmospheric pressure without hydrogen. *Green Chemistry*, **2021**, 23, 1648-1657	10	13
108	Fluorescent silicon nanoparticles inhibit the amyloid fibrillation of insulin. *Journal of Materials Chemistry B*, **2019**, 7, 1397-1403	7.3	12
107	Construction of a Mercapto-Functionalized Zr-MOF/Melamine Sponge Composite for the Efficient Removal of Oils and Heavy Metal Ions from Water. *Industrial & Engineering Chemistry Research*, **2020**, 59, 13220-13227	3.9	12
106	Magnetic fluorescent nanocomposites as reusable fluorescence probes for sensitive detection of hydrogen peroxide and glucose. *Analytical Methods*, **2014**, 6, 6352-6357	3.2	12
105	Synthesis of 2,5-diformylfuran from 5-hydroxymethylfurfural in ethyl acetate using 4-acetamido-TEMPO as a recyclable catalyst. *Catalysis Today*, **2019**, 319, 121-127	5.3	12
104	Preparation of laccase mimicking nanozymes and their catalytic oxidation of phenolic pollutants. *Catalysis Science and Technology*, **2021**, 11, 3402-3410	5.5	12
103	Zwitterionic Peptide Enhances Protein-Resistant Performance of Hyaluronic Acid-Modified Surfaces. *Langmuir*, **2020**, 36, 1923-1929	4	11
102	Enzyme-substrate interactions promote the self-assembly of amino acid derivatives into supramolecular hydrogels. *Journal of Materials Chemistry B*, **2016**, 4, 844-851	7.3	11
101	Bioinspired pH-Sensitive Fluorescent Peptidyl Nanoparticles for Cell Imaging. *ACS Applied Materials & Interfaces*, **2020**, 12, 4212-4220	9.5	11
100	Real-time adsorption and action of expansin on cellulose. *Biotechnology for Biofuels*, **2018**, 11, 317	7.8	11
99	Structural Insight into Stabilization of Pickering Emulsions with Fe3O4@SiO2 Nanoparticles for Enzyme Catalysis in Organic Media. *Particle and Particle Systems Characterization*, **2017**, 34, 1700117	3.1	10
98	Constructing peptide-based artificial hydrolases with customized selectivity. *Journal of Materials Chemistry B*, **2019**, 7, 3804-3810	7.3	10
97	Continuous rapid dechlorination of p-chlorophenol by Fe-Pd nanoparticles promoted by procyanidin. *Chemical Engineering Science*, **2019**, 201, 121-131	4.4	10
96	A tumor-sensitive biological metal-organic complex for drug delivery and cancer therapy. *Journal of Materials Chemistry B*, **2020**, 8, 7189-7196	7.3	10
95	Three-dimensional printing of black phosphorous/polypyrrole electrode for energy storage using thermoresponsive ink. *Chemical Communications*, **2020**, 56, 3115-3118	5.8	10
94	Nontoxic Black Phosphorus Quantum Dots Inhibit Insulin Amyloid Fibrillation at an Ultralow Concentration. *IScience*, **2020**, 23, 101044	6.1	10

93	Enhanced cellulase recovery without β-glucosidase supplementation for cellulosic ethanol production using an engineered strain and surfactant. *Biotechnology and Bioengineering*, **2017**, 114, 543-551	4.9	10
92	Counterion-Directed, Structurally Tunable Assembly of Hydrogels, Membranes, and Sacs at Aqueous Liquid–Liquid Interfaces. *Advanced Materials Interfaces*, **2016**, 3, 1500327	4.6	10
91	Adsorption-Desorption Behavior of Black Phosphorus Quantum Dots on Mucin Surface. *Langmuir*, **2018**, 34, 8508-8515	4	10
90	Co-optimization of sugar yield and input energy by the stepwise reduction of agitation rate during lignocellulose hydrolysis. *Food and Bioproducts Processing*, **2015**, 95, 1-6	4.9	9
89	Role of molecular chirality and solvents in directing the self-assembly of peptide into an ultra-pH-sensitive hydrogel. *Journal of Colloid and Interface Science*, **2020**, 577, 388-396	9.3	9
88	Adsorptive removal of Ni(II) ions from aqueous solution and the synthesis of a Ni-doped ceramic: an efficient enzyme carrier exhibiting enhanced activity of immobilized lipase. *RSC Advances*, **2016**, 6, 64581-64588	3.7	9
87	Alginate-casein microspheres as bioactive vehicles for nutrients. *Transactions of Tianjin University*, **2015**, 21, 383-391	2.9	9
86	Changes in the supramolecular structures of cellulose after hydrolysis studied by terahertz spectroscopy and other methods. *RSC Advances*, **2014**, 4, 57945-57952	3.7	9
85	Enzymatic Hydrolysis of Cellulose with Different Crystallinities Studied by Means of SEC-MALLS. *Chinese Journal of Chemical Engineering*, **2011**, 19, 773-778	3.2	9
84	Preparation and activity of bubbling-immobilized cellobiase within chitosan-alginate composite. *Preparative Biochemistry and Biotechnology*, **2010**, 40, 57-64	2.4	9
83	Molecularly imprinted peptide-based enzyme mimics with enhanced activity and specificity. *Soft Matter*, **2020**, 16, 7033-7039	3.6	9
82	Ferrocene-Modified Metal–Organic Frameworks as a Peroxidase-Mimicking Catalyst. *Catalysis Letters*, **2021**, 151, 478-486	2.8	9
81	Synergy between endo/exo-glucanases and expansin enhances enzyme adsorption and cellulose conversion. *Carbohydrate Polymers*, **2021**, 253, 117287	10.3	9
80	Real-Time Adsorption of Exo- and Endoglucanases on Cellulose: Effect of pH, Temperature, and Inhibitors. *Langmuir*, **2018**, 34, 13514-13522	4	9
79	Disulfide crosslinking and helical coiling of peptide micelles facilitate the formation of a printable hydrogel. *Journal of Materials Chemistry B*, **2019**, 7, 2981-2988	7.3	8
78	Photo- and Aromatic Stacking-Induced Green Emissive Peptidyl Nanoparticles for Cell Imaging and Monitoring of Nucleic Acid Delivery. *ACS Applied Materials & Interfaces*, **2019**, 11, 15401-15410	9.5	8
77	Reducing β-glucosidase supplementation during cellulase recovery using engineered strain for successive lignocellulose bioconversion. *Bioresource Technology*, **2015**, 187, 362-368	11	8
76	Ferrocene-modified peptides as inhibitors against insulin amyloid aggregation based on molecular simulation. *Journal of Materials Chemistry B*, **2020**, 8, 3076-3086	7.3	8

75	Tandem Biocatalysis by CotA-TJ102@UIO-66-NH2 and Novozym 435 for Highly Selective Transformation of HMF into FDCA. *Transactions of Tianjin University*, **2019**, 25, 488-496	2.9	8
74	Self-Assembly of Peptide Hierarchical Helical Arrays with Sequence-Encoded Circularly Polarized Luminescence. *Nano Letters*, **2021**, 21, 6406-6415	11.5	8
73	Co-assembly of Fmoc-tripeptide and gold nanoparticles as a facile approach to immobilize nanocatalysts. *RSC Advances*, **2017**, 7, 15736-15741	3.7	7
72	Bioinspired Fluorescent Peptidyl Nanoparticles with Rainbow Colors. *ACS Applied Materials & Interfaces*, **2020**, 12, 31830-31841	9.5	7
71	Self-assembled oligomeric procyanidin-insulin hybrid nanoparticles: a novel strategy for controllable insulin delivery. *Biomaterials Science*, **2013**, 1, 834-841	7.4	7
70	The Optimization of Fractionating Lignocellulose by Formic Acid Using Response Surface Methodology. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, **2010**, 32, 1282-1292	1.6	7
69	Co-assembly of curcumin and a cystine bridged peptide to construct tumor-responsive nano-micelles for efficient chemotherapy. *Journal of Materials Chemistry B*, **2020**, 8, 1944-1951	7.3	7
68	Peptide-Templated Synthesis of TiO Nanofibers with Tunable Photocatalytic Activity. *Chemistry - A European Journal*, **2018**, 24, 18123-18129	4.8	7
67	Interactions of Fly Ash Particles with Mucin and Serum Albumin. *Langmuir*, **2018**, 34, 12251-12258	4	7
66	In situ fabrication of multifunctional gold-amino acid superstructures based on self-assembly. *Chemical Communications*, **2019**, 55, 3967-3970	5.8	6
65	Poly (Glutamic Acid) Promotes Enhanced Dechlorination of p-Chlorophenol by Fe-Pd Nanoparticles. *Nanoscale Research Letters*, **2018**, 13, 219	5	6
64	Recycling Strategy and Repression Elimination for Lignocellulosic-Based Farnesene Production with an Engineered. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 9858-9867	5.7	6
63	Chemical catalysis triggered self-assembly for the bottom-up fabrication of peptide nanofibers and hydrogels. *Materials Letters*, **2014**, 128, 216-219	3.3	6
62	Cellulase Recycling after High-Solids Simultaneous Saccharification and Fermentation of Combined Pretreated Corncob. *Frontiers in Energy Research*, **2014**, 2,	3.8	6
61	Preparation of amorphous MOF based biomimetic nanozyme with high laccase- and catecholase-like activity for the degradation and detection of phenolic compounds. *Chemical Engineering Journal*, **2022**, 434, 134677	14.7	6
60	Bioinspired Phosphatase-like Mimic Built from the Self-Assembly of De Novo Designed Helical Short Peptides. *ACS Catalysis*, **2021**, 11, 5839-5849	13.1	6
59	One-pot synthesis of fluorine functionalized Zr-MOFs and their in situ growth on sponge for oil absorption. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 616, 126322	5.1	6
58	A gas-phase amplified quartz crystal microbalance immunosensor based on catalase modified immunoparticles. *Analyst, The*, **2015**, 140, 1174-81	5	5

57	Tannic acid enhances the removal of chloroform from water using NaOH-activated persulfate. *Environmental Chemistry Letters*, **2020**, 18, 1441-1446	13.3	5
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