Wei Qi

List of Publications by Citations

252 papers	5,341 citations	41 h-index	61 g-index
263 ext. papers	6,737 ext. citations	6.7 avg, IF	6.16 L-index

#	Paper	IF	Citations
252	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
251	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
250	Self-assembling peptide–polysaccharide hybrid hydrogel as a potential carrier for drug delivery. *Soft Matter*, **2011**, 7, 6222	3.6	139
249	Integrating enzymatic and acid catalysis to convert glucose into 5-hydroxymethylfurfural. *Chemical Communications*, **2010**, 46, 1115-7	5.8	129
248	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
247	Bioconversion of Lignocellulose into Bioethanol: Process Intensification and Mechanism Research. *Bioenergy Research*, **2011**, 4, 225-245	3.1	109
246	Constructing Redox-Responsive Metal-Organic Framework Nanocarriers for Anticancer Drug Delivery. *ACS Applied Materials & Interfaces*, **2018**, 10, 16698-16706	9.5	100
245	Affinity of rosmarinic acid to human serum albumin and its effect on protein conformation stability. *Food Chemistry*, **2016**, 192, 178-87	8.5	98
244	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
243	A polydopamine-modified optical fiber SPR biosensor using electroless-plated gold films for immunoassays. *Biosensors and Bioelectronics*, **2015**, 74, 454-60	11.8	95
242	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
241	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
240	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
239	A facile strategy for enzyme immobilization with highly stable hierarchically porous metal-organic frameworks. *Nanoscale*, **2017**, 9, 17561-17570	7.7	81
238	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
237	Solvent and surface controlled self-assembly of diphenylalanine peptide: from microtubes to nanofibers. *Soft Matter*, **2011**, 7, 6418	3.6	74
236	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

235	Design and mechanisms of antifouling materials for surface plasmon resonance sensors. *Acta Biomaterialia*, **2016**, 40, 100-118	10.8	68
234	High-performance ultrafiltration membranes based on polyethersulfone graphene oxide composites. *RSC Advances*, **2013**, 3, 21394	3.7	65
233	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
232	Hydrolysis of cellulose by sulfonated magnetic reduced graphene oxide. *Chemical Engineering Journal*, **2015**, 280, 90-98	14.7	63
231	Rational Design of Mimic Multienzyme Systems in Hierarchically Porous Biomimetic Metal-Organic Frameworks. *ACS Applied Materials & Interfaces*, **2018**, 10, 33407-33415	9.5	62
230	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
229	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
228	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
227	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
226	Functionalized silica nanoparticles for conversion of fructose to 5-hydroxymethylfurfural. *Chemical Engineering Journal*, **2016**, 296, 209-216	14.7	57
225	Electrostatic and aromatic interaction-directed supramolecular self-assembly of a designed Fmoc-tripeptide into helical nanoribbons. *Langmuir*, **2015**, 31, 2885-94	4	56
224	Optimization and application of reflective LSPR optical fiber biosensors based on silver nanoparticles. *Sensors*, **2015**, 15, 12205-17	3.8	55
223	Conjugation of Hyaluronic Acid onto Surfaces via the Interfacial Polymerization of Dopamine to Prevent Protein Adsorption. *Langmuir*, **2015**, 31, 12061-70	4	54
222	Preparation of mannanase CLEAs using macromolecular cross-linkers. *Catalysis Science and Technology*, **2013**, 3, 1937	5.5	54
221	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
220	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
219	Insulin amyloid fibrillation studied by terahertz spectroscopy and other biophysical methods. *Biochemical and Biophysical Research Communications*, **2010**, 391, 862-7	3.4	48
218	Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. *Angewandte Chemie - International Edition*, **2019**, 58, 1308-1314	16.4	47

217	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
216	Kinetically controlled self-assembly of redox-active ferrocene-diphenylalanine: from nanospheres to nanofibers. *Nanotechnology*, **2013**, 24, 465603	3.4	43
215	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
214	CoMFA and CoMSIA analysis of ACE-inhibitory, antimicrobial and bitter-tasting peptides. *European Journal of Medicinal Chemistry*, **2014**, 84, 100-6	6.8	41
213	Cross-linked lysozyme crystal templated synthesis of Au nanoparticles as high-performance recyclable catalysts. *Nanotechnology*, **2013**, 24, 245601	3.4	41
212	Promising Techniques for Depolymerization of Lignin into Value-added Chemicals. *ChemCatChem*, **2019**, 11, 639-654	5.2	41
211	Utilization of biodiesel by-product as substrate for high-production of β-Farnesene via relatively balanced mevalonate pathway in Escherichia coli. *Bioresource Technology*, **2017**, 243, 228-236	11	40
210	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
209	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
208	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
207	Three-dimensionally printed bioinspired superhydrophobic PLA membrane for oil-water separation. *AICHE Journal*, **2018**, 64, 3700-3708	3.6	38
206	Controlled adsorption of cellulase onto pretreated corncob by pH adjustment. *Cellulose*, **2012**, 19, 371-380	5.5	37
205	Effect of Formic Acid on Conversion of Fructose to 5-Hydroxymethylfurfural in Aqueous/Butanol Media. *Bioenergy Research*, **2012**, 5, 380-386	3.1	37
204	Advances in carrier-bound and carrier-free immobilized nanobiocatalysts. *Chemical Engineering Science*, **2015**, 135, 21-32	4.4	34
203	Bioinspired Peptide-Coated Superhydrophilic Poly(vinylidene fluoride) Membrane for Oil/Water Emulsion Separation. *Langmuir*, **2018**, 34, 6621-6627	4	34
202	A casein-polysaccharide hybrid hydrogel cross-linked by transglutaminase for drug delivery. *Journal of Materials Science*, **2012**, 47, 2045-2055	4.3	33
201	Oriented Enzyme Immobilization at the Oil/Water Interface Enhances Catalytic Activity and Recyclability in a Pickering Emulsion. *Langmuir*, **2017**, 33, 12317-12325	4	32
200	Amphiphilic hydrogels for biomedical applications. *Journal of Materials Chemistry B*, **2019**, 7, 2899-2910	7.3	32

199	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
198	Aromatic Motifs Dictate Nanohelix Handedness of Tripeptides. *ACS Nano*, **2018**, 12, 12305-12314	16.7	30
197	Highly efficient and selective production of FFCA from CotA-TJ102 laccase-catalyzed oxidation of 5-HMF. *International Journal of Biological Macromolecules*, **2019**, 128, 132-139	7.9	29
196	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
195	Polydopamine-Assisted Surface Coating of MIL-53 and Dodecanethiol on a Melamine Sponge for Oil-Water Separation. *Langmuir*, **2020**, 36, 1212-1220	4	27
194	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
193	Capillary Force-Driven, Hierarchical Co-Assembly of Dandelion-Like Peptide Microstructures. *Small*, **2015**, 11, 2893-902	11	27
192	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
191	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
190	Glucomannan-mediated facile synthesis of gold nanoparticles for catalytic reduction of 4-nitrophenol. *Nanoscale Research Letters*, **2014**, 9, 404	5	26
189	Rationally Designed Peptidyl Virus-Like Particles Enable Targeted Delivery of Genetic Cargo. *Angewandte Chemie - International Edition*, **2018**, 57, 14032-14036	16.4	25
188	Molecularly Imprinted Core-Shell CdSe@SiO/CDs as a Ratiometric Fluorescent Probe for 4-Nitrophenol Sensing. *Nanoscale Research Letters*, **2018**, 13, 27	5	24
187	Tunable Design of Structural Colors Produced by Pseudo-1D Photonic Crystals of Graphene Oxide. *Small*, **2016**, 12, 3433-43	11	24
186	Reconfigurable Chiral Self-Assembly of Peptides through Control of Terminal Charges. *Small*, **2017**, 13, 1700999	11	24
185	Enzymatic hydrolysis of protein: Mechanism and kinetic model. *Frontiers of Chemistry in China: Selected Publications From Chinese Universities*, **2006**, 1, 308-314		24
184	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
183	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
182	Biomimetic surface coatings for marine antifouling: Natural antifoulants, synthetic polymers and surface microtopography. *Science of the Total Environment*, **2021**, 766, 144469	10.2	23

181	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
180	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
179	High-efficiency and low-cost production of cadaverine from a permeabilized-cell bioconversion by a Lysine-induced engineered Escherichia coli. *Bioresource Technology*, **2020**, 302, 122844	11	22
178	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
177	Purification, characterization, and production of β-mannanase from Bacillus subtilis TJ-102 and its application in gluco-mannooligosaccharides preparation. *European Food Research and Technology*, **2013**, 237, 399-408	3.4	22
176	Calcium-Ion-Triggered Co-assembly of Peptide and Polysaccharide into a Hybrid Hydrogel for Drug Delivery. *Nanoscale Research Letters*, **2016**, 11, 184	5	21
175	Bioorganometallic ferrocene-tripeptide nanoemulsions. *Nanoscale*, **2017**, 9, 15323-15331	7.7	21
174	Advances in nanocellulose-based materials as adsorbents of heavy metals and dyes. *Carbohydrate Polymers*, **2021**, 272, 118471	10.3	20
173	Synergy between Zwitterionic Polymers and Hyaluronic Acid Enhances Antifouling Performance. *Langmuir*, **2019**, 35, 15535-15542	4	19
172	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
171	Green synthesis of gold nanoparticles using aspartame and their catalytic activity for p-nitrophenol reduction. *Nanoscale Research Letters*, **2015**, 10, 213	5	19
170	An effective in-situ method for laccase immobilization: Excellent activity, effective antibiotic removal rate and low potential ecological risk for degradation products. *Bioresource Technology*, **2020**, 308, 123271	11	19
169	Enzymatic hydrolysis of lignocellulose: SEC-MALLS analysis and reaction mechanism. *RSC Advances*, **2013**, 3, 1871-1877	3.7	19
168	Chelate immobilization of amylase on metal ceramic powder: Preparation, characterization and application. *Biochemical Engineering Journal*, **2013**, 77, 190-197	4.2	19
167	Self-Assembled Microporous Peptide-Polysaccharide Aerogels for Oil-Water Separation. *Langmuir*, **2018**, 34, 10732-10738	4	18
166	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
165	Enzymatic saccharification of pretreated corn stover in a fed-batch membrane bioreactor. *Bioenergy Research*, **2011**, 4, 134-140	3.1	18
164	Sandwich-Like Sensor for the Highly Specific and Reproducible Detection of Rhodamine 6G on a Surface-Enhanced Raman Scattering Platform. *ACS Applied Materials & Interfaces*, **2020**, 12, 4699-4708	8.5	18

163	Interactions between Lubricin and Hyaluronic Acid Synergistically Enhance Antiadhesive Properties. *ACS Applied Materials & Interfaces*, **2019**, 11, 18090-18102	9.5	17
162	Study of the Interaction Between Coenzyme Q10 and Human Serum Albumin: Spectroscopic Approach. *Journal of Solution Chemistry*, **2014**, 43, 585-607	1.8	17
161	Jet flow directed supramolecular self-assembly at aqueous liquid□liquid interface. *RSC Advances*, **2014**, 4, 15340	3.7	16
160	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
159	Recyclable Strategy for the Production of High-Purity Galacto-oligosaccharides by Kluyveromyces lactis. *Journal of Agricultural and Food Chemistry*, **2016**, 64, 5679-85	5.7	16
158	Superior Catalytic Performance of Gold Nanoparticles Within Small Cross-Linked Lysozyme Crystals. *Langmuir*, **2016**, 32, 10895-10904	4	16
157	Development of a novel integrated process for co-production of □-galactosidase and ethanol using lactose as substrate. *Bioresource Technology*, **2017**, 230, 15-23	11	15
156	Facile method to synthesize graphene-ZnS nanocomposites: preparation and application in bioelectrochemistry of hemoglobin. *Journal of Solid State Electrochemistry*, **2013**, 17, 2595-2602	2.6	15
155	Enhanced enzymatic hydrolysis of corncob by ultrasound-assisted soaking in aqueous ammonia pretreatment. *3 Biotech*, **2018**, 8, 166	2.8	14
154	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
153	Enhanced enzymatic hydrolysis of lignocellulose by integrated decrystallization and fed-batch operation. *RSC Advances*, **2014**, 4, 44659-44665	3.7	14
152	Ethanol Production from High-Solid SSCF of Alkaline-Pretreated Corncob Using Recombinant Zymomonas mobilis CP4. *Bioenergy Research*, **2013**, 6, 292-299	3.1	14
151	Utilization of whey powder as substrate for low-cost preparation of □-galactosidase as main product, and ethanol as by-product, by a litre-scale integrated process. *Bioresource Technology*, **2017**, 245, 1271-1276	11	14
150	Sensitive and Efficient Electrochemical Determination of Kojic Acid in Foodstuffs Based on Graphene-Pt Nanocomposite-Modified Electrode. *Food Analytical Methods*, **2014**, 7, 109-115	3.4	14
149	Biomineralization-inspired copper-cystine nanoleaves capable of laccase-like catalysis for the colorimetric detection of epinephrine. *Frontiers of Chemical Science and Engineering*, **2021**, 15, 310-318	4.5	14
148	Three-Dimensionally Printed Bioinspired Superhydrophobic Packings for Oil-in-Water Emulsion Separation. *Langmuir*, **2019**, 35, 12799-12806	4	13
147	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
146	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

145	Integrating chromium-based ceramic and acid catalysis to convert glucose into 5-hydroxymethylfurfural. *Renewable Energy*, **2018**, 125, 327-333	8.1	13
144	Green fluorescent protein inspired fluorophores. *Advances in Colloid and Interface Science*, **2020**, 285, 102286	14.3	13
143	Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. *Angewandte Chemie*, **2019**, 131, 1322-1328	3.6	13
142	Exploration of Intrinsic Lipase-Like Activity of Zirconium-Based Metal-Organic Frameworks. *European Journal of Inorganic Chemistry*, **2018**, 2018, 4579-4585	2.3	13
141	Photo-Induced Polymerization and Reconfigurable Assembly of Multifunctional Ferrocene-Tyrosine. *Small*, **2018**, 14, e1800772	11	13
140	Highly selective reductive catalytic fractionation at atmospheric pressure without hydrogen. *Green Chemistry*, **2021**, 23, 1648-1657	10	13
139	Fluorescent silicon nanoparticles inhibit the amyloid fibrillation of insulin. *Journal of Materials Chemistry B*, **2019**, 7, 1397-1403	7.3	12
138	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
137	Rational design of a thermophilic β-mannanase fromBacillus subtilis TJ-102 to improve its thermostability. *Enzyme and Microbial Technology*, **2018**, 118, 50-56	3.8	12
136	Magnetic fluorescent nanocomposites as reusable fluorescence probes for sensitive detection of hydrogen peroxide and glucose. *Analytical Methods*, **2014**, 6, 6352-6357	3.2	12
135	Time-dependent nature in peptic hydrolysis of native bovine hemoglobin. *European Food Research and Technology*, **2007**, 225, 637-647	3.4	12
134	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
133	Preparation of laccase mimicking nanozymes and their catalytic oxidation of phenolic pollutants. *Catalysis Science and Technology*, **2021**, 11, 3402-3410	5.5	12
132	Effects of macromolecular crowding on alkaline phosphatase unfolding, conformation and stability. *International Journal of Biological Macromolecules*, **2017**, 101, 373-382	7.9	11
131	Zwitterionic Peptide Enhances Protein-Resistant Performance of Hyaluronic Acid-Modified Surfaces. *Langmuir*, **2020**, 36, 1923-1929	4	11
130	Bioinspired pH-Sensitive Fluorescent Peptidyl Nanoparticles for Cell Imaging. *ACS Applied Materials & Interfaces*, **2020**, 12, 4212-4220	9.5	11
129	Real-time adsorption and action of expansin on cellulose. *Biotechnology for Biofuels*, **2018**, 11, 317	7.8	11
128	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

127	Constructing peptide-based artificial hydrolases with customized selectivity. *Journal of Materials Chemistry B*, **2019**, 7, 3804-3810	7.3	10
126	Continuous rapid dechlorination of p-chlorophenol by Fe-Pd nanoparticles promoted by procyanidin. *Chemical Engineering Science*, **2019**, 201, 121-131	4.4	10
125	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
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123	Highly efficient production of FAMEs and β-Farnesene from a two-stage biotransformation of waste cooking oils. *Energy Conversion and Management*, **2019**, 199, 112001	10.6	10
122	Scissor-based fluorescent detection of pepsin using lysozyme-stabilized Au nanoclusters. *Analytical Methods*, **2014**, 6, 6789-6795	3.2	10
121	An effective and green method for the extraction and purification of aglycone isoflavones from soybean. *Food Science and Biotechnology*, **2013**, 22, 705-712	3	10
120	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
119	Improved conversion efficiency of Lignin-to-Fuel conversion by limiting catalyst deactivation. *Chemical Engineering Journal*, **2021**, 410, 128270	14.7	10
118	Counterion-Directed, Structurally Tunable Assembly of Hydrogels, Membranes, and Sacs at Aqueous Liquid–Liquid Interfaces. *Advanced Materials Interfaces*, **2016**, 3, 1500327	4.6	10
117	Adsorption-Desorption Behavior of Black Phosphorus Quantum Dots on Mucin Surface. *Langmuir*, **2018**, 34, 8508-8515	4	10
116	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
115	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
114	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
113	Alginate-casein microspheres as bioactive vehicles for nutrients. *Transactions of Tianjin University*, **2015**, 21, 383-391	2.9	9
112	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
111	Comparative QSAR modeling of antitumor activity of ARC-111 analogues using stepwise MLR, PLS, and ANN techniques. *Medicinal Chemistry Research*, **2010**, 19, 1233-1244	2.2	9
110	Molecularly imprinted peptide-based enzyme mimics with enhanced activity and specificity. *Soft Matter*, **2020**, 16, 7033-7039	3.6	9

109	Migration of photoinitiators from paper to fatty food simulants: experimental studies and model application. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2016**, 33, 876-84	3.2	9
108	Ferrocene-Modified Metal□Organic Frameworks as a Peroxidase-Mimicking Catalyst. *Catalysis Letters*, **2021**, 151, 478-486	2.8	9
107	Synergy between endo/exo-glucanases and expansin enhances enzyme adsorption and cellulose conversion. *Carbohydrate Polymers*, **2021**, 253, 117287	10.3	9
106	Real-Time Adsorption of Exo- and Endoglucanases on Cellulose: Effect of pH, Temperature, and Inhibitors. *Langmuir*, **2018**, 34, 13514-13522	4	9
105	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
104	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
103	Reducing □-glucosidase supplementation during cellulase recovery using engineered strain for successive lignocellulose bioconversion. *Bioresource Technology*, **2015**, 187, 362-368	11	8
102	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
101	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
100	Self-Assembly of Peptide Hierarchical Helical Arrays with Sequence-Encoded Circularly Polarized Luminescence. *Nano Letters*, **2021**, 21, 6406-6415	11.5	8
99	Co-assembly of Fmoc-tripeptide and gold nanoparticles as a facile approach to immobilize nanocatalysts. *RSC Advances*, **2017**, 7, 15736-15741	3.7	7
98	Bioinspired Fluorescent Peptidyl Nanoparticles with Rainbow Colors. *ACS Applied Materials & Interfaces*, **2020**, 12, 31830-31841	9.5	7
97	Development of an integrated process for the production of high-purity cadaverine from lysine decarboxylase. *Journal of Chemical Technology and Biotechnology*, **2020**, 95, 1542-1549	3.5	7
96	Enhanced electrochemical detection performance of multiwall carbon nanotubes functionalized by aspartame. *Journal of Materials Science*, **2013**, 48, 5624-5632	4.3	7
95	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
94	Peptide-Templated Synthesis of TiO Nanofibers with Tunable Photocatalytic Activity. *Chemistry - A European Journal*, **2018**, 24, 18123-18129	4.8	7
93	Interactions of Fly Ash Particles with Mucin and Serum Albumin. *Langmuir*, **2018**, 34, 12251-12258	4	7
92	In situ fabrication of multifunctional gold-amino acid superstructures based on self-assembly. *Chemical Communications*, **2019**, 55, 3967-3970	5.8	6

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