

# Zhimin He

## List of Publications by Citations

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206  
papers

3,775  
citations

32  
h-index

51  
g-index

214  
ext. papers

4,783  
ext. citations

6.3  
avg, IF

5.81  
L-index

#	Paper	IF	Citations
206	Self-assembling peptide-polysaccharide hybrid hydrogel as a potential carrier for drug delivery. <i>Soft Matter</i> , <b>2011</b> , 7, 6222	3.6	139
205	Rational Design of Chiral Nanostructures from Self-Assembly of a Ferrocene-Modified Dipeptide. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 7869-80	16.4	121
204	Bioconversion of Lignocellulose into Bioethanol: Process Intensification and Mechanism Research. <i>Bioenergy Research</i> , <b>2011</b> , 4, 225-245	3.1	109
203	Constructing Redox-Responsive Metal-Organic Framework Nanocarriers for Anticancer Drug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 16698-16706	9.5	100
202	Affinity of rosmarinic acid to human serum albumin and its effect on protein conformation stability. <i>Food Chemistry</i> , <b>2016</b> , 192, 178-87	8.5	98
201	A polydopamine-modified optical fiber SPR biosensor using electroless-plated gold films for immunoassays. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 74, 454-60	11.8	95
200	A carbon dot-based "off-on" fluorescent probe for highly selective and sensitive detection of phytic acid. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 70, 232-8	11.8	94
199	Synthesis of well-dispersed Ag nanoparticles on eggshell membrane for catalytic reduction of 4-nitrophenol. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 1639-1647	4.3	91
198	A facile strategy for enzyme immobilization with highly stable hierarchically porous metal-organic frameworks. <i>Nanoscale</i> , <b>2017</b> , 9, 17561-17570	7.7	81
197	Solvent and surface controlled self-assembly of diphenylalanine peptide: from microtubes to nanofibers. <i>Soft Matter</i> , <b>2011</b> , 7, 6418	3.6	74
196	Superior Antifouling Performance of a Zwitterionic Peptide Compared to an Amphiphilic, Non-Ionic Peptide. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 22448-57	9.5	70
195	Design and mechanisms of antifouling materials for surface plasmon resonance sensors. <i>Acta Biomaterialia</i> , <b>2016</b> , 40, 100-118	10.8	68
194	High-performance ultrafiltration membranes based on polyethersulfone-graphene oxide composites. <i>RSC Advances</i> , <b>2013</b> , 3, 21394	3.7	65
193	Synthesis of silver nanoparticles within cross-linked lysozyme crystals as recyclable catalysts for 4-nitrophenol reduction. <i>Catalysis Science and Technology</i> , <b>2013</b> , 3, 1910	5.5	61
192	Interfacial Polymerization of Dopamine in a Pickering Emulsion: Synthesis of Cross-Linkable Colloidosomes and Enzyme Immobilization at Oil/Water Interfaces. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 14954-64	9.5	58
191	Optimization and application of reflective LSPR optical fiber biosensors based on silver nanoparticles. <i>Sensors</i> , <b>2015</b> , 15, 12205-17	3.8	55
190	Conjugation of Hyaluronic Acid onto Surfaces via the Interfacial Polymerization of Dopamine to Prevent Protein Adsorption. <i>Langmuir</i> , <b>2015</b> , 31, 12061-70	4	54

189	Preparation of $\beta$ mannanase CLEAs using macromolecular cross-linkers. <i>Catalysis Science and Technology</i> , <b>2013</b> , 3, 1937	5.5	54
188	Selective Synthesis of 2,5-Diformylfuran and 2,5-Furandicarboxylic Acid from 5-Hydroxymethylfurfural and Fructose Catalyzed by Magnetically Separable Catalysts. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 533-541	4.1	53
187	Enhancing the Activity of Peptide-Based Artificial Hydrolase with Catalytic Ser/His/Asp Triad and Molecular Imprinting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 14133-41	9.5	50
186	Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 1308-1314	16.4	47
185	Kinetically controlled self-assembly of redox-active ferrocene-diphenylalanine: from nanospheres to nanofibers. <i>Nanotechnology</i> , <b>2013</b> , 24, 465603	3.4	43
184	Temperature-induced reversible self-assembly of diphenylalanine peptide and the structural transition from organogel to crystalline nanowires. <i>Nanoscale Research Letters</i> , <b>2014</b> , 9, 653	5	42
183	CoMFA and CoMSIA analysis of ACE-inhibitory, antimicrobial and bitter-tasting peptides. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 84, 100-6	6.8	41
182	Promising Techniques for Depolymerization of Lignin into Value-added Chemicals. <i>ChemCatChem</i> , <b>2019</b> , 11, 639-654	5.2	41
181	Utilization of biodiesel by-product as substrate for high-production of $\beta$ farnesene via relatively balanced mevalonate pathway in <i>Escherichia coli</i> . <i>Bioresource Technology</i> , <b>2017</b> , 243, 228-236	11	40
180	3D Flower-like Micro/Nano CeMo Composite Oxides as Effective Bifunctional Catalysts for One-Pot Conversion of Fructose to 2,5-Diformylfuran. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 4179-4187	8.3	38
179	Highly Efficient Catalysis of Azo Dyes Using Recyclable Silver Nanoparticles Immobilized on Tannic Acid-Grafted Eggshell Membrane. <i>Nanoscale Research Letters</i> , <b>2016</b> , 11, 440	5	38
178	Three-dimensionally printed bioinspired superhydrophobic PLA membrane for oil-water separation. <i>AIChE Journal</i> , <b>2018</b> , 64, 3700-3708	3.6	38
177	Controlled adsorption of cellulase onto pretreated corncob by pH adjustment. <i>Cellulose</i> , <b>2012</b> , 19, 371-380	3.9	37
176	Effect of Formic Acid on Conversion of Fructose to 5-Hydroxymethylfurfural in Aqueous/Butanol Media. <i>Bioenergy Research</i> , <b>2012</b> , 5, 380-386	3.1	37
175	A casein-polysaccharide hybrid hydrogel cross-linked by transglutaminase for drug delivery. <i>Journal of Materials Science</i> , <b>2012</b> , 47, 2045-2055	4.3	33
174	Oriented Enzyme Immobilization at the Oil/Water Interface Enhances Catalytic Activity and Recyclability in a Pickering Emulsion. <i>Langmuir</i> , <b>2017</b> , 33, 12317-12325	4	32
173	Amphiphilic hydrogels for biomedical applications. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 2899-2910	7.3	32
172	Purification and characterization of $\beta$ mannanase from <i>Bacillus licheniformis</i> for industrial use. <i>Biotechnology Letters</i> , <b>2000</b> , 22, 1375-1378	3	32

171	Aromatic Motifs Dictate Nanohelix Handedness of Tripeptides. <i>ACS Nano</i> , <b>2018</b> , 12, 12305-12314	16.7	30
170	Highly efficient and selective production of FFCA from CotA-TJ102 laccase-catalyzed oxidation of 5-HMF. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 128, 132-139	7.9	29
169	Columnar Liquid Crystals Self-Assembled by Minimalistic Peptides for Chiral Sensing and Synthesis of Ordered Mesoporous Silica. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 7902-7911	9.6	28
168	Polydopamine-Assisted Surface Coating of MIL-53 and Dodecanethiol on a Melamine Sponge for Oil-Water Separation. <i>Langmuir</i> , <b>2020</b> , 36, 1212-1220	4	27
167	Green Synthesis of a Gold Nanoparticle-Nanocluster Composite Nanostructures Using Trypsin as Linking and Reducing Agents. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2013</b> , 1, 1398-1404	8.3	27
166	Capillary Force-Driven, Hierarchical Co-Assembly of Dandelion-Like Peptide Microstructures. <i>Small</i> , <b>2015</b> , 11, 2893-902	11	27
165	A supramolecular approach to construct a hydrolase mimic with photo-switchable catalytic activity. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 2444-2449	7.3	26
164	Glucomannan-mediated facile synthesis of gold nanoparticles for catalytic reduction of 4-nitrophenol. <i>Nanoscale Research Letters</i> , <b>2014</b> , 9, 404	5	26
163	Prediction of the secondary structure content of globular proteins based on structural classes. <i>The Protein Journal</i> , <b>1996</b> , 15, 775-86		26
162	Rationally Designed Peptidyl Virus-Like Particles Enable Targeted Delivery of Genetic Cargo. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 14032-14036	16.4	25
161	Molecularly Imprinted Core-Shell CdSe@SiO <sub>2</sub> /CDs as a Ratiometric Fluorescent Probe for 4-Nitrophenol Sensing. <i>Nanoscale Research Letters</i> , <b>2018</b> , 13, 27	5	24
160	Tunable Design of Structural Colors Produced by Pseudo-1D Photonic Crystals of Graphene Oxide. <i>Small</i> , <b>2016</b> , 12, 3433-43	11	24
159	Reconfigurable Chiral Self-Assembly of Peptides through Control of Terminal Charges. <i>Small</i> , <b>2017</b> , 13, 1700999	11	24
158	Enzymatic hydrolysis of protein: Mechanism and kinetic model. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , <b>2006</b> , 1, 308-314		24
157	Bioinspired fabrication of optical fiber SPR sensors for immunoassays using polydopamine-accelerated electroless plating. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 7554-7562	7.1	23
156	Prediction of the secondary structure contents of globular proteins based on three structural classes. <i>The Protein Journal</i> , <b>1998</b> , 17, 261-72		23
155	Thermal stability and thermodynamic analysis of native and methoxypolyethylene glycol modified trypsin. <i>Biotechnology Letters</i> , <b>1999</b> , 13, 781-786		23
154	Biomimetic surface coatings for marine antifouling: Natural antifoulants, synthetic polymers and surface microtopography. <i>Science of the Total Environment</i> , <b>2021</b> , 766, 144469	10.2	23

153	Cascade catalysis via dehydration and oxidation: one-pot synthesis of 2,5-diformylfuran from fructose using acid and V <sub>2</sub> O <sub>5</sub> /ceramic catalysts. <i>RSC Advances</i> , <b>2017</b> , 7, 7560-7566	3.7	22
152	Design of elution strategy for simultaneous detection of chloramphenicol and gentamicin in complex samples using surface plasmon resonance. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 92, 266-272	11.8	22
151	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> , <b>2020</b> , 302, 122844	11	22
150	Gold Nanoparticle-Aptamer-Based LSPR Sensing of Ochratoxin A at a Widened Detection Range by Double Calibration Curve Method. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 94	5	22
149	Purification, characterization, and production of $\beta$ -mannanase from <i>Bacillus subtilis</i> TJ-102 and its application in gluco-mannooligosaccharides preparation. <i>European Food Research and Technology</i> , <b>2013</b> , 237, 399-408	3.4	22
148	Calcium-Ion-Triggered Co-assembly of Peptide and Polysaccharide into a Hybrid Hydrogel for Drug Delivery. <i>Nanoscale Research Letters</i> , <b>2016</b> , 11, 184	5	21
147	Bioorganometallic ferrocene-tripeptide nanoemulsions. <i>Nanoscale</i> , <b>2017</b> , 9, 15323-15331	7.7	21
146	A kinetic correlation for konjac powder hydrolysis by $\beta$ -mannanase from <i>Bacillus licheniformis</i> . <i>Biotechnology Letters</i> , <b>2001</b> , 23, 389-393	3	20
145	Advances in nanocellulose-based materials as adsorbents of heavy metals and dyes. <i>Carbohydrate Polymers</i> , <b>2021</b> , 272, 118471	10.3	20
144	Synergy between Zwitterionic Polymers and Hyaluronic Acid Enhances Antifouling Performance. <i>Langmuir</i> , <b>2019</b> , 35, 15535-15542	4	19
143	Green synthesis of gold nanoparticles using aspartame and their catalytic activity for p-nitrophenol reduction. <i>Nanoscale Research Letters</i> , <b>2015</b> , 10, 213	5	19
142	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> , <b>2020</b> , 308, 123271	11	19
141	Enzymatic hydrolysis of lignocellulose: SEC-MALLS analysis and reaction mechanism. <i>RSC Advances</i> , <b>2013</b> , 3, 1871-1877	3.7	19
140	Self-Assembled Microporous Peptide-Polysaccharide Aerogels for Oil-Water Separation. <i>Langmuir</i> , <b>2018</b> , 34, 10732-10738	4	18
139	Elucidating the influence of gold nanoparticles on the binding of salvianolic acid B and rosmarinic acid to bovine serum albumin. <i>PLoS ONE</i> , <b>2015</b> , 10, e0118274	3.7	18
138	Enzymatic saccharification of pretreated corn stover in a fed-batch membrane bioreactor. <i>Bioenergy Research</i> , <b>2011</b> , 4, 134-140	3.1	18
137	Sandwich-Like Sensor for the Highly Specific and Reproducible Detection of Rhodamine 6G on a Surface-Enhanced Raman Scattering Platform. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 4699-4706	7.5	18
136	Study of the Interaction Between Coenzyme Q10 and Human Serum Albumin: Spectroscopic Approach. <i>Journal of Solution Chemistry</i> , <b>2014</b> , 43, 585-607	1.8	17

- 135 Jet flow directed supramolecular self-assembly at aqueous liquid-liquid interface. *RSC Advances*, **2014**, 4, 15340 3.7 16
- 134 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
- 133 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
- 132 Superior Catalytic Performance of Gold Nanoparticles Within Small Cross-Linked Lysozyme Crystals. *Langmuir*, **2016**, 32, 10895-10904 4 16
- 131 Development of a novel integrated process for co-production of  $\beta$ -galactosidase and ethanol using lactose as substrate. *Bioresource Technology*, **2017**, 230, 15-23 11 15
- 130 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
- 129 Enhanced enzymatic hydrolysis of corncob by ultrasound-assisted soaking in aqueous ammonia pretreatment. *3 Biotech*, **2018**, 8, 166 2.8 14
- 128 Enhanced enzymatic hydrolysis of lignocellulose by integrated decrystallization and fed-batch operation. *RSC Advances*, **2014**, 4, 44659-44665 3.7 14
- 127 Ethanol Production from High-Solid SSCF of Alkaline-Pretreated Corncob Using Recombinant *Zymomonas mobilis* CP4. *Bioenergy Research*, **2013**, 6, 292-299 3.1 14
- 126 Utilization of whey powder as substrate for low-cost preparation of  $\beta$ -galactosidase as main product, and ethanol as by-product, by a litre-scale integrated process. *Bioresource Technology*, **2017**, 245, 1271-1276 11 14
- 125 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
- 124 Biomimetalization-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
- 123 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
- 122 Green fluorescent protein inspired fluorophores. *Advances in Colloid and Interface Science*, **2020**, 285, 102286 14.3 13
- 121 Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. *Angewandte Chemie*, **2019**, 131, 1322-1328 3.6 13
- 120 Exploration of Intrinsic Lipase-Like Activity of Zirconium-Based Metal-Organic Frameworks. *European Journal of Inorganic Chemistry*, **2018**, 2018, 4579-4585 2.3 13
- 119 Photo-Induced Polymerization and Reconfigurable Assembly of Multifunctional Ferrocene-Tyrosine. *Small*, **2018**, 14, e1800772 11 13
- 118 Highly selective reductive catalytic fractionation at atmospheric pressure without hydrogen. *Green Chemistry*, **2021**, 23, 1648-1657 10 13

117	Construction of a Mercapto-Functionalized Zr-MOF/Melamine Sponge Composite for the Efficient Removal of Oils and Heavy Metal Ions from Water. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 13220-13227	3.9	12
116	Magnetic fluorescent nanocomposites as reusable fluorescence probes for sensitive detection of hydrogen peroxide and glucose. <i>Analytical Methods</i> , <b>2014</b> , 6, 6352-6357	3.2	12
115	Preparation of laccase mimicking nanozymes and their catalytic oxidation of phenolic pollutants. <i>Catalysis Science and Technology</i> , <b>2021</b> , 11, 3402-3410	5.5	12
114	Effects of macromolecular crowding on alkaline phosphatase unfolding, conformation and stability. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 101, 373-382	7.9	11
113	Zwitterionic Peptide Enhances Protein-Resistant Performance of Hyaluronic Acid-Modified Surfaces. <i>Langmuir</i> , <b>2020</b> , 36, 1923-1929	4	11
112	Bioinspired pH-Sensitive Fluorescent Peptidyl Nanoparticles for Cell Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 4212-4220	9.5	11
111	Real-time adsorption and action of expansin on cellulose. <i>Biotechnology for Biofuels</i> , <b>2018</b> , 11, 317	7.8	11
110	Structural Insight into Stabilization of Pickering Emulsions with Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> Nanoparticles for Enzyme Catalysis in Organic Media. <i>Particle and Particle Systems Characterization</i> , <b>2017</b> , 34, 1700117	3.1	10
109	Constructing peptide-based artificial hydrolases with customized selectivity. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 3804-3810	7.3	10
108	A tumor-sensitive biological metal-organic complex for drug delivery and cancer therapy. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 7189-7196	7.3	10
107	Nontoxic Black Phosphorus Quantum Dots Inhibit Insulin Amyloid Fibrillation at an Ultralow Concentration. <i>IScience</i> , <b>2020</b> , 23, 101044	6.1	10
106	Scissor-based fluorescent detection of pepsin using lysozyme-stabilized Au nanoclusters. <i>Analytical Methods</i> , <b>2014</b> , 6, 6789-6795	3.2	10
105	An effective and green method for the extraction and purification of aglycone isoflavones from soybean. <i>Food Science and Biotechnology</i> , <b>2013</b> , 22, 705-712	3	10
104	Enhanced cellulase recovery without $\beta$ -glucosidase supplementation for cellulosic ethanol production using an engineered strain and surfactant. <i>Biotechnology and Bioengineering</i> , <b>2017</b> , 114, 543-551	4.9	10
103	Solvation energy and thermal stability of hydrophilization-modified alpha-chymotrypsin. <i>The Protein Journal</i> , <b>1999</b> , 18, 557-64		10
102	Counterion-Directed, Structurally Tunable Assembly of Hydrogels, Membranes, and Sacs at Aqueous Liquid-Liquid Interfaces. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1500327	4.6	10
101	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> , <b>2020</b> , 577, 388-396	9.3	9
100	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. <i>RSC Advances</i> , <b>2016</b> , 6, 64581-64589	3.7	9

99	Alginate-casein microspheres as bioactive vehicles for nutrients. <i>Transactions of Tianjin University</i> , <b>2015</b> , 21, 383-391	2.9	9
98	Changes in the supramolecular structures of cellulose after hydrolysis studied by terahertz spectroscopy and other methods. <i>RSC Advances</i> , <b>2014</b> , 4, 57945-57952	3.7	9
97	Comparative QSAR modeling of antitumor activity of ARC-111 analogues using stepwise MLR, PLS, and ANN techniques. <i>Medicinal Chemistry Research</i> , <b>2010</b> , 19, 1233-1244	2.2	9
96	Molecularly imprinted peptide-based enzyme mimics with enhanced activity and specificity. <i>Soft Matter</i> , <b>2020</b> , 16, 7033-7039	3.6	9
95	Migration of photoinitiators from paper to fatty food simulants: experimental studies and model application. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , <b>2016</b> , 33, 876-84	3.2	9
94	Ferrocene-Modified Metal-Organic Frameworks as a Peroxidase-Mimicking Catalyst. <i>Catalysis Letters</i> , <b>2021</b> , 151, 478-486	2.8	9
93	Synergy between endo/exo-glucanases and expansin enhances enzyme adsorption and cellulose conversion. <i>Carbohydrate Polymers</i> , <b>2021</b> , 253, 117287	10.3	9
92	Disulfide crosslinking and helical coiling of peptide micelles facilitate the formation of a printable hydrogel. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 2981-2988	7.3	8
91	Photo- and Aromatic Stacking-Induced Green Emissive Peptidyl Nanoparticles for Cell Imaging and Monitoring of Nucleic Acid Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 15401-15410	9.5	8
90	Reducing $\beta$ -glucosidase supplementation during cellulase recovery using engineered strain for successive lignocellulose bioconversion. <i>Bioresource Technology</i> , <b>2015</b> , 187, 362-368	11	8
89	Tandem Biocatalysis by CotA-TJ102@UIO-66-NH <sub>2</sub> and Novozym 435 for Highly Selective Transformation of HMF into FDCA. <i>Transactions of Tianjin University</i> , <b>2019</b> , 25, 488-496	2.9	8
88	Self-Assembly of Peptide Hierarchical Helical Arrays with Sequence-Encoded Circularly Polarized Luminescence. <i>Nano Letters</i> , <b>2021</b> , 21, 6406-6415	11.5	8
87	Co-assembly of Fmoc-tripeptide and gold nanoparticles as a facile approach to immobilize nanocatalysts. <i>RSC Advances</i> , <b>2017</b> , 7, 15736-15741	3.7	7
86	Bioinspired Fluorescent Peptidyl Nanoparticles with Rainbow Colors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 31830-31841	9.5	7
85	Development of an integrated process for the production of high-purity cadaverine from lysine decarboxylase. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2020</b> , 95, 1542-1549	3.5	7
84	Enhanced electrochemical detection performance of multiwall carbon nanotubes functionalized by aspartame. <i>Journal of Materials Science</i> , <b>2013</b> , 48, 5624-5632	4.3	7
83	Co-assembly of curcumin and a cystine bridged peptide to construct tumor-responsive nano-micelles for efficient chemotherapy. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 1944-1951	7.3	7
82	Peptide-Templated Synthesis of TiO Nanofibers with Tunable Photocatalytic Activity. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 18123-18129	4.8	7



81	In situ fabrication of multifunctional gold-amino acid superstructures based on self-assembly. <i>Chemical Communications</i> , <b>2019</b> , 55, 3967-3970	5.8	6
80	Poly (L-Glutamic Acid) Promotes Enhanced Dechlorination of p-Chlorophenol by Fe-Pd Nanoparticles. <i>Nanoscale Research Letters</i> , <b>2018</b> , 13, 219	5	6
79	Konjac glucomannan and xanthan gum as compression coat for colonic drug delivery: experimental and theoretical evaluations. <i>Frontiers of Chemical Engineering in China</i> , <b>2010</b> , 4, 102-108		6
78	Bioinspired Phosphatase-like Mimic Built from the Self-Assembly of De Novo Designed Helical Short Peptides. <i>ACS Catalysis</i> , <b>2021</b> , 11, 5839-5849	13.1	6
77	Microfluidic Synthesis of Lignin/Chitosan Nanoparticles for the pH-Responsive Delivery of Anticancer Drugs. <i>Langmuir</i> , <b>2021</b> , 37, 7219-7226	4	6
76	Tannic acid enhances the removal of chloroform from water using NaOH-activated persulfate. <i>Environmental Chemistry Letters</i> , <b>2020</b> , 18, 1441-1446	13.3	5
75	Fabrication of nanohybrids assisted by protein-based materials for catalytic applications. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 3515-3531	5.5	5
74	In situ growth of AuAg bimetallic nanorings on optical fibers for enhanced plasmonic sensing. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 7552-7560	7.1	5
73	A light-responsive multienzyme complex combining cascade enzymes within a peptide-based matrix.. <i>RSC Advances</i> , <b>2018</b> , 8, 6047-6052	3.7	5
72	A simply enzymatic hydrolysis pretreatment for Bmannanase production from konjac powder. <i>Bioresource Technology</i> , <b>2018</b> , 249, 1052-1057	11	5
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