

Zhimin He

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	One-pot production of phenazine from lignin-derived catechol. <i>Green Chemistry</i> , 2022 , 24, 1224-1230	10	2
205	Controllable synthesis of a sponge-like Z-scheme N,S-CQDs/BiMoO@TiO film with enhanced photocatalytic and antimicrobial activity under visible/NIR light irradiation.. <i>Journal of Hazardous Materials</i> , 2022 , 429, 128310	12.8	2
204	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	12.8	2
203	Copper ions binding regulation for the high-efficiency biodegradation of ciprofloxacin and tetracycline-HCl by low-cost permeabilized-cells. <i>Bioresource Technology</i> , 2022 , 344, 126297	11	1
202	Circularly Polarized Luminescent Chiral Photonic Films Based on the Coassembly of Cellulose Nanocrystals and Gold Nanoclusters.. <i>Langmuir</i> , 2022 ,	4	4
201	Development of SERS-based immunoassay for the detection of cryptococcosis biomarker.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 1	4.4	0
200	Flame-resistant bifunctional MOF-based sponges for effective separation of oil/water mixtures and enzyme-like degradation of organic pollutants. <i>Chemical Engineering Research and Design</i> , 2022 , 163, 636-644	5.5	0
199	Oligomeric procyanidins inhibit insulin fibrillation by forming unstructured and off-pathway aggregates.. <i>RSC Advances</i> , 2021 , 11, 37290-37298	3.7	0
198	Laccase-catalyzed soy protein and gallic acid complexation: Effects on conformational structures and antioxidant activity.. <i>Food Chemistry</i> , 2021 , 375, 131865	8.5	4
197	Rational Design of Chiral Nanohelices from Self-Assembly of Meso-tetrakis (4-Carboxyphenyl) Porphyrin-Amino Acid Conjugates. <i>Langmuir</i> , 2021 , 37, 13067-13074	4	1
196	Efficient removal of chloroform in groundwater by polyethylene glycol-stabilized Fe/Ni nanoparticles. <i>Environmental Chemistry Letters</i> , 2021 , 19, 3511-3515	13.3	2
195	Biomimetic surface coatings for marine antifouling: Natural antifoulants, synthetic polymers and surface microtopography. <i>Science of the Total Environment</i> , 2021 , 766, 144469	10.2	23
194	An effective enzymatic assay for pH selectively measuring direct and total bilirubin concentration by using of CotA. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 547, 192-197	3.4	0
193	Bioinspired Phosphatase-like Mimic Built from the Self-Assembly of De Novo Designed Helical Short Peptides. <i>ACS Catalysis</i> , 2021 , 11, 5839-5849	13.1	6
192	Self-Templated, Enantioselective Assembly of an Amyloid-like Dipeptide into Multifunctional Hierarchical Helical Arrays. <i>ACS Nano</i> , 2021 , 15, 9827-9840	16.7	3
191	Synergistic effect of polystyrene nanoplastics and contaminants on the promotion of insulin fibrillation. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 214, 112115	7	1
190	Self-Assembly of Ferrocenyl Phenylalanine into Nanohelical Arrays via Kinetic Control.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 4744-4752	4.1	1

189	Alizarin and Purpurin from L. Suppress Insulin Fibrillation and Reduce the Amyloid-Induced Cytotoxicity. <i>ACS Chemical Neuroscience</i> , 2021 , 12, 2182-2193	5.7	4
188	Self-Assembly of Peptide Hierarchical Helical Arrays with Sequence-Encoded Circularly Polarized Luminescence. <i>Nano Letters</i> , 2021 , 21, 6406-6415	11.5	8
187	Microfluidic Synthesis of Lignin/Chitosan Nanoparticles for the pH-Responsive Delivery of Anticancer Drugs. <i>Langmuir</i> , 2021 , 37, 7219-7226	4	6
186	Ferrocene-Modified Metal-Organic Frameworks as a Peroxidase-Mimicking Catalyst. <i>Catalysis Letters</i> , 2021 , 151, 478-486	2.8	9
185	Biomineralization-inspired 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	4.5	14
184	Control of peptide hydrogel formation and stability via heating treatment. <i>Journal of Colloid and Interface Science</i> , 2021 , 583, 234-242	9.3	2
183	Synergy between endo/exo-glucanases and expansin enhances enzyme adsorption and cellulose conversion. <i>Carbohydrate Polymers</i> , 2021 , 253, 117287	10.3	9
182	Preparation of laccase mimicking nanozymes and their catalytic oxidation of phenolic pollutants. <i>Catalysis Science and Technology</i> , 2021 , 11, 3402-3410	5.5	12
181	Colorful Pigments for Hair Dyeing Based on Enzymatic Oxidation of Tyrosine Derivatives. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 34851-34864	9.5	1
180	Enhanced enzymatic hydrolysis of cellulose by endoglucanase via expansin pretreatment and the addition of zinc ions. <i>Bioresource Technology</i> , 2021 , 333, 125139	11	2
179	Lubricin-Inspired Loop Zwitterionic Peptide for Fabrication of Superior Antifouling Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 41978-41986	9.5	3
178	Advances in nanocellulose-based materials as adsorbents of heavy metals and dyes. <i>Carbohydrate Polymers</i> , 2021 , 272, 118471	10.3	20
177	Rational design of 17 β -hydroxysteroid dehydrogenase type3 for improving testosterone production with an engineered <i>Pichia pastoris</i> . <i>Bioresource Technology</i> , 2021 , 341, 125833	11	2
176	Bifunctional utilization of whey powder as a substrate and inducer for β -farnesene production in an engineered <i>Escherichia coli</i> . <i>Bioresource Technology</i> , 2021 , 341, 125739	11	1
175	Highly selective reductive catalytic fractionation at atmospheric pressure without hydrogen. <i>Green Chemistry</i> , 2021 , 23, 1648-1657	10	13
174	AuNP array coated substrate for sensitive and homogeneous SERS-immunoassay detection of human immunoglobulin G.. <i>RSC Advances</i> , 2021 , 11, 22744-22750	3.7	5
173	Tannic acid enhances the removal of chloroform from water using NaOH-activated persulfate. <i>Environmental Chemistry Letters</i> , 2020 , 18, 1441-1446	13.3	5
172	Fabrication of nanohybrids assisted by protein-based materials for catalytic applications. <i>Catalysis Science and Technology</i> , 2020 , 10, 3515-3531	5.5	5

171	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	9.3	9
170	A tumor-sensitive biological metal-organic complex for drug delivery and cancer therapy. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 7189-7196	7.3	10
169	Self-assembly of multifunctional hydrogels with polyoxometalates helical arrays using nematic peptide liquid crystal template. <i>Journal of Colloid and Interface Science</i> , 2020 , 578, 218-228	9.3	4
168	In situ growth of AuAg bimetallic nanorings on optical fibers for enhanced plasmonic sensing. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 7552-7560	7.1	5
167	Bioinspired Fluorescent Peptidyl Nanoparticles with Rainbow Colors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 31830-31841	9.5	7
166	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	3.9	12
165	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	11	13
164	Effect of Sugars on the Real-Time Adsorption of Expansin on Cellulose. <i>Biomacromolecules</i> , 2020 , 21, 1776-1784	6.9	3
163	Zwitterionic Peptide Enhances Protein-Resistant Performance of Hyaluronic Acid-Modified Surfaces. <i>Langmuir</i> , 2020 , 36, 1923-1929	4	11
162	Enzyme-free visualization of nucleic acids during HIV infection by octopus-like DNA. <i>International Journal of Biological Macromolecules</i> , 2020 , 150, 122-128	7.9	1
161	Development of an integrated process for the production of high-purity cadaverine from lysine decarboxylase. <i>Journal of Chemical Technology and Biotechnology</i> , 2020 , 95, 1542-1549	3.5	7
160	Polydopamine-Assisted Surface Coating of MIL-53 and Dodecanethiol on a Melamine Sponge for Oil-Water Separation. <i>Langmuir</i> , 2020 , 36, 1212-1220	4	27
159	High-efficiency and low-cost production of cadaverine from a permeabilized-cell bioconversion by a Lysine-induced engineered Escherichia coli. <i>Bioresource Technology</i> , 2020 , 302, 122844	11	22
158	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	11	19
157	Real-Time QCM-D Monitoring of the Adsorption-Desorption of Expansin on Lignin. <i>Langmuir</i> , 2020 , 36, 4503-4510	4	4
156	Nontoxic Black Phosphorus Quantum Dots Inhibit Insulin Amyloid Fibrillation at an Ultralow Concentration. <i>IScience</i> , 2020 , 23, 101044	6.1	10
155	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> , 2020 , 8, 1944-1951	7.3	7
154	Bioinspired pH-Sensitive Fluorescent Peptidyl Nanoparticles for Cell Imaging. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 4212-4220	9.5	11

153	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, 4699-4708	8.5	18
152	Interaction of particles with mucosae and cell membranes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 186, 110657	6	5
151	Green fluorescent protein inspired fluorophores. <i>Advances in Colloid and Interface Science</i> , 2020 , 285, 102286	14.3	13
150	Self-Assembly of Ferrocene-Phenylalanine@Graphene Oxide Hybrid Hydrogels for Dopamine Detection. <i>ChemPlusChem</i> , 2020 , 85, 2341-2348	2.8	3
149	Thermally Induced Structural Transition of Peptide Nanofibers into Nanoparticles with Enhanced Fluorescence Properties. <i>ChemPlusChem</i> , 2020 , 85, 1523-1528	2.8	3
148	Molecularly imprinted peptide-based enzyme mimics with enhanced activity and specificity. <i>Soft Matter</i> , 2020 , 16, 7033-7039	3.6	9
147	Investigation of fermentation conditions of biodiesel by-products for high production of Farnesene by an engineered Escherichia coli. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 22758-22769	5.1	4
146	Self-Assembled Bio-Organometallic Nanocatalysts for Highly Enantioselective Direct Aldol Reactions. <i>Langmuir</i> , 2020 , 36, 13735-13742	4	0
145	Self-Assembly of Peptide Chiral Nanostructures with Sequence-Encoded Enantioselective Separation Capability. <i>Langmuir</i> , 2020 , 36, 10361-10370	4	3
144	Polydopamine-Assisted Fabrication of Stable Silver Nanoparticles on Optical Fiber for Enhanced Plasmonic Sensing. <i>Photonic Sensors</i> , 2020 , 10, 97-104	2.3	3
143	Migration of phthalates from polyvinyl chloride film to fatty food simulants: experimental studies and model application. <i>Journal Fur Verbraucherschutz Und Lebensmittelsicherheit</i> , 2020 , 15, 135-143	2.3	5
142	Self-Assembly of Ferrocene Peptides: A Nonheme Strategy to Construct a Peroxidase Mimic. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1901082	4.6	4
141	Synergy between Zwitterionic Polymers and Hyaluronic Acid Enhances Antifouling Performance. <i>Langmuir</i> , 2019 , 35, 15535-15542	4	19
140	Promising Techniques for Depolymerization of Lignin into Value-added Chemicals. <i>ChemCatChem</i> , 2019 , 11, 638-638	5.2	
139	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	7.9	29
138	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	5	
137	Constructing peptide-based artificial hydrolases with customized selectivity. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 3804-3810	7.3	10
136	Facile Fabrication of Oxidized Lignin-Based Porous Carbon Spheres for Efficient Removal of Pb ²⁺ . <i>ChemistrySelect</i> , 2019 , 4, 5251-5257	1.8	3

135	Frontispiz: Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. <i>Angewandte Chemie</i> , 2019 , 131,	3.6	2
134	In situ fabrication of multifunctional gold-amino acid superstructures based on self-assembly. <i>Chemical Communications</i> , 2019 , 55, 3967-3970	5.8	6
133	Disulfide crosslinking and helical coiling of peptide micelles facilitate the formation of a printable hydrogel. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 2981-2988	7.3	8
132	Amphiphilic hydrogels for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 2899-2910	7.3	32
131	Construction of Supramolecular Nanostructures with High Catalytic Activity by Photoinduced Hierarchical Co-Assembly. <i>Chemistry - A European Journal</i> , 2019 , 25, 7896-7902	4.8	3
130	Photo- and Aromatic Stacking-Induced Green Emissive Peptidyl Nanoparticles for Cell Imaging and Monitoring of Nucleic Acid Delivery. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 15401-15410	9.5	8
129	Real-Time QCM-D Monitoring of Deposition of Gold Nanorods on a Supported Lipid Bilayer as a Model Cell Membrane. <i>ACS Omega</i> , 2019 , 4, 6059-6067	3.9	4
128	High-Efficiency Preparation of 2,5-Diformylfuran with a Keto-ABNO Catalyst Under Mild Conditions. <i>Transactions of Tianjin University</i> , 2019 , 25, 118-123	2.9	1
127	Solid-Phase Enzymatic Peptide Synthesis to Produce an Antioxidant Dipeptide. <i>Transactions of Tianjin University</i> , 2019 , 25, 276-282	2.9	1
126	Protamine-induced condensation of peptide nanofilaments into twisted bundles with controlled helical geometry. <i>Journal of Peptide Science</i> , 2019 , 25, e3176	2.1	1
125	Tandem Biocatalysis by CotA-TJ102@UIO-66-NH ₂ and Novozym 435 for Highly Selective Transformation of HMF into FDCA. <i>Transactions of Tianjin University</i> , 2019 , 25, 488-496	2.9	8
124	Promising Techniques for Depolymerization of Lignin into Value-added Chemicals. <i>ChemCatChem</i> , 2019 , 11, 639-654	5.2	41
123	Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. <i>Angewandte Chemie</i> , 2019 , 131, 1322-1328	3.6	13
122	Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1308-1314	16.4	47
121	Enhanced enzymatic hydrolysis of corncob by ultrasound-assisted soaking in aqueous ammonia pretreatment. <i>3 Biotech</i> , 2018 , 8, 166	2.8	14
120	Constructing Redox-Responsive Metal-Organic Framework Nanocarriers for Anticancer Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 16698-16706	9.5	100
119	A Low-Cost and Easily Prepared Manganese Carbonate as an Efficient Catalyst for Aerobic Oxidation of 5-Hydroxymethylfurfural to 2,5-Diformylfuran. <i>Transactions of Tianjin University</i> , 2018 , 24, 301-307	2.9	4
118	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	5	24

117	A light-responsive multienzyme complex combining cascade enzymes within a peptide-based matrix.. <i>RSC Advances</i> , 2018 , 8, 6047-6052	3.7	5
116	A supramolecular approach to construct a hydrolase mimic with photo-switchable catalytic activity. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 2444-2449	7.3	26
115	A simply enzymatic hydrolysis pretreatment for β -mannanase production from konjac powder. <i>Bioresource Technology</i> , 2018 , 249, 1052-1057	11	5
114	Three-dimensionally printed bioinspired superhydrophobic PLA membrane for oil-water separation. <i>AIChE Journal</i> , 2018 , 64, 3700-3708	3.6	38
113	Peptide Biomaterials: Photo-Induced Polymerization and Reconfigurable Assembly of Multifunctional Ferrocene-Tyrosine (Small 25/2018). <i>Small</i> , 2018 , 14, 1870118	11	1
112	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	5	22
111	Design of Silica Nanostructures with Tunable Architectures Templated by Ferrocene Peptides. <i>ChemistrySelect</i> , 2018 , 3, 4939-4943	1.8	4
110	Rationally Designed Peptidyl Virus-Like Particles Enable Targeted Delivery of Genetic Cargo. <i>Angewandte Chemie</i> , 2018 , 130, 14228-14232	3.6	2
109	Self-Assembled Microporous Peptide-Polysaccharide Aerogels for Oil-Water Separation. <i>Langmuir</i> , 2018 , 34, 10732-10738	4	18
108	Poly (β -Glutamic Acid) Promotes Enhanced Dechlorination of p-Chlorophenol by Fe-Pd Nanoparticles. <i>Nanoscale Research Letters</i> , 2018 , 13, 219	5	6
107	Rationally Designed Peptidyl Virus-Like Particles Enable Targeted Delivery of Genetic Cargo. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 14032-14036	16.4	25
106	Aromatic Motifs Dictate Nanohelix Handedness of Tripeptides. <i>ACS Nano</i> , 2018 , 12, 12305-12314	16.7	30
105	Real-time adsorption and action of expansin on cellulose. <i>Biotechnology for Biofuels</i> , 2018 , 11, 317	7.8	11
104	Peptide-Templated Synthesis of TiO Nanofibers with Tunable Photocatalytic Activity. <i>Chemistry - A European Journal</i> , 2018 , 24, 18123-18129	4.8	7
103	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	3.6	
102	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	9.6	28
101	Exploration of Intrinsic Lipase-Like Activity of Zirconium-Based Metal-Organic Frameworks. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 4579-4585	2.3	13
100	Kinetically Controlled Carboxypeptidase-Catalyzed Synthesis of Novel Antioxidant Dipeptide Precursor BOC-Tyr-Ala. <i>Transactions of Tianjin University</i> , 2018 , 24, 513-521	2.9	2

99	Photo-Induced Polymerization and Reconfigurable Assembly of Multifunctional Ferrocene-Tyrosine. <i>Small</i> , 2018 , 14, e1800772	11	13
98	Cascade catalysis via dehydration and oxidation: one-pot synthesis of 2,5-diformylfuran from fructose using acid and V2O5/ceramic catalysts. <i>RSC Advances</i> , 2017 , 7, 7560-7566	3-7	22
97	Development of a novel integrated process for co-production of β -galactosidase and ethanol using lactose as substrate. <i>Bioresource Technology</i> , 2017 , 230, 15-23	11	15
96	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	11.8	22
95	Co-assembly of Fmoc-tripeptide and gold nanoparticles as a facile approach to immobilize nanocatalysts. <i>RSC Advances</i> , 2017 , 7, 15736-15741	3-7	7
94	Response to "Comment on Tunable Design of Structural Colors Produced by Pseudo-1D Photonic Crystals of Graphene Oxide and Thin-Film Interference from Dried Graphene Oxide Film". <i>Small</i> , 2017 , 13, 1700102	11	2
93	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	4-1	53
92	Utilization of biodiesel by-product as substrate for high-production of β -farnesene via relatively balanced mevalonate pathway in <i>Escherichia coli</i> . <i>Bioresource Technology</i> , 2017 , 243, 228-236	11	40
91	Structural Insight into Stabilization of Pickering Emulsions with Fe ₃ O ₄ @SiO ₂ Nanoparticles for Enzyme Catalysis in Organic Media. <i>Particle and Particle Systems Characterization</i> , 2017 , 34, 1700117	3-1	10
90	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> , 2017 , 5, 4179-4187	8.3	38
89	Effects of macromolecular crowding on alkaline phosphatase unfolding, conformation and stability. <i>International Journal of Biological Macromolecules</i> , 2017 , 101, 373-382	7-9	11
88	Oscillating Cellulase Adsorption and Enhanced Lignocellulose Hydrolysis upon Ultrasound Treatment. <i>Transactions of Tianjin University</i> , 2017 , 23, 11-19	2-9	2
87	Oriented Enzyme Immobilization at the Oil/Water Interface Enhances Catalytic Activity and Recyclability in a Pickering Emulsion. <i>Langmuir</i> , 2017 , 33, 12317-12325	4	32
86	A facile strategy for enzyme immobilization with highly stable hierarchically porous metal-organic frameworks. <i>Nanoscale</i> , 2017 , 9, 17561-17570	7-7	81
85	Utilization of whey powder as substrate for low-cost preparation of β -galactosidase as main product, and ethanol as by-product, by a litre-scale integrated process. <i>Bioresource Technology</i> , 2017 , 245, 1271-1276	11	14
84	Bioorganometallic ferrocene-tripeptide nanoemulsions. <i>Nanoscale</i> , 2017 , 9, 15323-15331	7-7	21
83	Capillary Flow-Driven, Hierarchical Chiral Self-Assembly of Peptide Nanohelix Arrays. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700514	4-6	3
82	Reconfigurable Chiral Self-Assembly of Peptides through Control of Terminal Charges. <i>Small</i> , 2017 , 13, 1700999	11	24

81	Enhanced cellulase recovery without α -glucosidase supplementation for cellulosic ethanol production using an engineered strain and surfactant. <i>Biotechnology and Bioengineering</i> , 2017 , 114, 543-551	4.9	10
80	Affinity of rosmarinic acid to human serum albumin and its effect on protein conformation stability. <i>Food Chemistry</i> , 2016 , 192, 178-87	8.5	98
79	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	11	1
78	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	7.1	23
77	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	5	38
76	Calcium-Ion-Triggered Co-assembly of Peptide and Polysaccharide into a Hybrid Hydrogel for Drug Delivery. <i>Nanoscale Research Letters</i> , 2016 , 11, 184	5	21
75	Tunable Design of Structural Colors Produced by Pseudo-1D Photonic Crystals of Graphene Oxide. <i>Small</i> , 2016 , 12, 3433-43	11	24
74	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> , 2016 , 6, 64581-64588	3.7	458
73	Counterion-Directed, Structurally Tunable Assembly of Hydrogels, Membranes, and Sacs at Aqueous Liquid-Liquid Interfaces. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500327	4.6	10
72	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, 5679-85	5.7	16
71	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, 14133-41	9.5	50
70	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> , 2016 , 33, 876-84	3.2	9
69	Design and mechanisms of antifouling materials for surface plasmon resonance sensors. <i>Acta Biomaterialia</i> , 2016 , 40, 100-118	10.8	68
68	Engineering peptide-based biomimetic enzymes for enhanced catalysis. <i>RSC Advances</i> , 2016 , 6, 40828-40834	3.7	2
67	Superior Catalytic Performance of Gold Nanoparticles Within Small Cross-Linked Lysozyme Crystals. <i>Langmuir</i> , 2016 , 32, 10895-10904	4	16
66	A polydopamine-modified optical fiber SPR biosensor using electroless-plated gold films for immunoassays. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 454-60	11.8	95
65	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, 14954-64	9.5	58
64	Green synthesis of gold nanoparticles using aspartame and their catalytic activity for p-nitrophenol reduction. <i>Nanoscale Research Letters</i> , 2015 , 10, 213	5	19

63	Reducing β -glucosidase supplementation during cellulase recovery using engineered strain for successive lignocellulose bioconversion. <i>Bioresource Technology</i> , 2015 , 187, 362-368	11	8
62	A carbon dot-based "off-on" fluorescent probe for highly selective and sensitive detection of phytic acid. <i>Biosensors and Bioelectronics</i> , 2015 , 70, 232-8	11.8	94
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