

# Rongxin Su

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2288462/rongxin-su-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

299  
papers

6,429  
citations

44  
h-index

64  
g-index

313  
ext. papers

7,978  
ext. citations

6.4  
avg, IF

6.28  
L-index

#	Paper	IF	Citations
299	Ethanol production from high dry matter corncob using fed-batch simultaneous saccharification and fermentation after combined pretreatment. <i>Bioresource Technology</i> , <b>2010</b> , 101, 4959-64	11	149
298	Facile in situ synthesis of silver nanoparticles on procyanidin-grafted eggshell membrane and their catalytic properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 4638-49	9.5	147
297	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
296	Integrating enzymatic and acid catalysis to convert glucose into 5-hydroxymethylfurfural. <i>Chemical Communications</i> , <b>2010</b> , 46, 1115-7	5.8	129
295	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
294	Bioconversion of Lignocellulose into Bioethanol: Process Intensification and Mechanism Research. <i>Bioenergy Research</i> , <b>2011</b> , 4, 225-245	3.1	109
293	Fractionating lignocellulose by formic acid: Characterization of major components. <i>Biomass and Bioenergy</i> , <b>2010</b> , 34, 525-532	5.3	107
292	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
291	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
290	Grafting hyaluronic acid onto gold surface to achieve low protein fouling in surface plasmon resonance biosensors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 13034-42	9.5	97
289	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
288	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
287	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
286	Enhanced enzymatic hydrolysis of lignocellulose by optimizing enzyme complexes. <i>Applied Biochemistry and Biotechnology</i> , <b>2010</b> , 160, 1407-14	3.2	91
285	Construction of a bioinspired laccase-mimicking nanozyme for the degradation and detection of phenolic pollutants. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 254, 452-462	21.8	82
284	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
283	Reduction of Hexavalent Chromium Using Recyclable Pt/Pd Nanoparticles Immobilized on Procyanidin-Grafted Eggshell Membrane. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 13635-13643	3.9	79

282	Fractional pretreatment of lignocellulose by alkaline hydrogen peroxide: Characterization of its major components. <i>Food and Bioproducts Processing</i> , <b>2015</b> , 94, 322-330	4.9	78
281	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
280	Porous-CLEAs of papain: application to enzymatic hydrolysis of macromolecules. <i>Bioresource Technology</i> , <b>2011</b> , 102, 3541-5	11	72
279	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
278	Design and mechanisms of antifouling materials for surface plasmon resonance sensors. <i>Acta Biomaterialia</i> , <b>2016</b> , 40, 100-118	10.8	68
277	High-performance ultrafiltration membranes based on polyethersulfone/graphene oxide composites. <i>RSC Advances</i> , <b>2013</b> , 3, 21394	3.7	65
276	Enhanced photocatalytic degradation of antibiotics in water over functionalized N,S-doped carbon quantum dots embedded ZnO nanoflowers under sunlight irradiation. <i>Chemical Engineering Journal</i> , <b>2020</b> , 382, 123016	14.7	65
275	Hydrolysis of cellulose by sulfonated magnetic reduced graphene oxide. <i>Chemical Engineering Journal</i> , <b>2015</b> , 280, 90-98	14.7	63
274	Rational Design of Mimic Multienzyme Systems in Hierarchically Porous Biomimetic Metal-Organic Frameworks. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 33407-33415	9.5	62
273	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
272	Self-assembly of amphiphilic janus particles into monolayer capsules for enhanced enzyme catalysis in organic media. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 465-73	9.5	60
271	Copper nanocluster-based fluorescent sensors for sensitive and selective detection of kojic acid in food stuff. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 195, 359-364	8.5	59
270	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
269	Interaction between lysozyme and procyanidin: multilevel structural nature and effect of carbohydrates. <i>Food Chemistry</i> , <b>2013</b> , 138, 1596-603	8.5	58
268	Functionalized silica nanoparticles for conversion of fructose to 5-hydroxymethylfurfural. <i>Chemical Engineering Journal</i> , <b>2016</b> , 296, 209-216	14.7	57
267	Electrostatic and aromatic interaction-directed supramolecular self-assembly of a designed Fmoc-tripeptide into helical nanoribbons. <i>Langmuir</i> , <b>2015</b> , 31, 2885-94	4	56
266	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
265	Hierarchical, interface-induced self-assembly of diphenylalanine: formation of peptide nanofibers and microvesicles. <i>Nanotechnology</i> , <b>2011</b> , 22, 245609	3.4	55

264	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
263	Preparation of Mannanase CLEAs using macromolecular cross-linkers. <i>Catalysis Science and Technology</i> , <b>2013</b> , 3, 1937	5.5	54
262	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
261	Cross-linking enzyme aggregates in the macropores of silica gel: A practical and efficient method for enzyme stabilization. <i>Biochemical Engineering Journal</i> , <b>2010</b> , 52, 168-174	4.2	53
260	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
259	Insulin amyloid fibrillation studied by terahertz spectroscopy and other biophysical methods. <i>Biochemical and Biophysical Research Communications</i> , <b>2010</b> , 391, 862-7	3.4	48
258	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
257	Deciphering the binding patterns and conformation changes upon the bovine serum albumin-rosmarinic acid complex. <i>Food and Function</i> , <b>2015</b> , 6, 2712-26	6.1	45
256	Catalytic Membrane Reactor Immobilized with Alloy Nanoparticle-Loaded Protein Fibrils for Continuous Reduction of 4-Nitrophenol. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 11263-11273	10.3	44
255	Enhanced ethanol production from pomelo peel waste by integrated hydrothermal treatment, multi-enzyme formulation, and fed-batch operation. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 4643-51	5.7	43
254	Kinetically controlled self-assembly of redox-active ferrocene-diphenylalanine: from nanospheres to nanofibers. <i>Nanotechnology</i> , <b>2013</b> , 24, 465603	3.4	43
253	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
252	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
251	Cross-linked lysozyme crystal templated synthesis of Au nanoparticles as high-performance recyclable catalysts. <i>Nanotechnology</i> , <b>2013</b> , 24, 245601	3.4	41
250	Promising Techniques for Depolymerization of Lignin into Value-added Chemicals. <i>ChemCatChem</i> , <b>2019</b> , 11, 639-654	5.2	41
249	Utilization of biodiesel by-product as substrate for high-production of Farnesene via relatively balanced mevalonate pathway in <i>Escherichia coli</i> . <i>Bioresource Technology</i> , <b>2017</b> , 243, 228-236	11	40
248	Dopamine-assisted deposition and zwitteration of hyaluronic acid for the nanoscale fabrication of low-fouling surfaces. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 4084-4091	7.3	40
247	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

246	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
245	Three-dimensionally printed bioinspired superhydrophobic PLA membrane for oil-water separation. <i>AIChE Journal</i> , <b>2018</b> , 64, 3700-3708	3.6	38
244	Multilevel structural nature and interactions of bovine serum albumin during heat-induced aggregation process. <i>Food Hydrocolloids</i> , <b>2008</b> , 22, 995-1005	10.6	38
243	Controlled adsorption of cellulase onto pretreated corncob by pH adjustment. <i>Cellulose</i> , <b>2012</b> , 19, 371-380	3.9	37
242	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
241	Advances in carrier-bound and carrier-free immobilized nanobiocatalysts. <i>Chemical Engineering Science</i> , <b>2015</b> , 135, 21-32	4.4	34
240	Bioinspired Peptide-Coated Superhydrophilic Poly(vinylidene fluoride) Membrane for Oil/Water Emulsion Separation. <i>Langmuir</i> , <b>2018</b> , 34, 6621-6627	4	34
239	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
238	Enhancement of activity of cross-linked enzyme aggregates by a sugar-assisted precipitation strategy: technical development and molecular mechanism. <i>Journal of Biotechnology</i> , <b>2011</b> , 156, 30-8	3.7	33
237	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
236	Amphiphilic hydrogels for biomedical applications. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 2899-2910	7.3	32
235	Understanding the key factors for enzymatic conversion of pretreated lignocellulose by partial least square analysis. <i>Biotechnology Progress</i> , <b>2010</b> , 26, 384-92	2.8	32
234	Synthesis of superhydrophobic and high stable Zr-MOFs for oil-water separation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 602, 125102	5.1	31
233	Aromatic Motifs Dictate Nanohelix Handedness of Tripeptides. <i>ACS Nano</i> , <b>2018</b> , 12, 12305-12314	16.7	30
232	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
231	Pancreatic hydrolysis of bovine casein: Identification and release kinetics of phosphopeptides. <i>Food Chemistry</i> , <b>2007</b> , 104, 276-286	8.5	29
230	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
229	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

228	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
227	Simultaneous production of multi-functional peptides by pancreatic hydrolysis of bovine casein in an enzymatic membrane reactor via combinational chromatography. <i>Food Chemistry</i> , <b>2013</b> , 141, 2944-51	8.5	27
226	Capillary Force-Driven, Hierarchical Co-Assembly of Dandelion-Like Peptide Microstructures. <i>Small</i> , <b>2015</b> , 11, 2893-902	11	27
225	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
224	Recycling cellulases by pH-triggered adsorption-desorption during the enzymatic hydrolysis of lignocellulosic biomass. <i>Applied Microbiology and Biotechnology</i> , <b>2014</b> , 98, 5765-74	5.7	26
223	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
222	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
221	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
220	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
219	Reconfigurable Chiral Self-Assembly of Peptides through Control of Terminal Charges. <i>Small</i> , <b>2017</b> , 13, 1700999	11	24
218	Physicochemical strategies for inhibition of amyloid fibril formation: an overview of recent advances. <i>Current Medicinal Chemistry</i> , <b>2012</b> , 19, 4157-74	4.3	24
217	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
216	Lipase immobilized on novel ceramic supporter with Ni activation for efficient cinnamyl acetate synthesis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2014</b> , 110, 32-38		23
215	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
214	Detection of tubule boundaries based on circular shortest path and polar-transformation of arbitrary shapes. <i>Journal of Microscopy</i> , <b>2016</b> , 264, 127-142	1.9	23
213	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
212	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
211	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

210	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
209	Purification, characterization, and production of $\alpha$ -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
208	Cinnamyl acetate synthesis by lipase-catalyzed transesterification in a solvent-free system. <i>Biotechnology and Applied Biochemistry</i> , <b>2012</b> , 59, 270-5	2.8	22
207	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
206	Bioorganometallic ferrocene-tripeptide nanoemulsions. <i>Nanoscale</i> , <b>2017</b> , 9, 15323-15331	7.7	21
205	Controllable synthesis of ZnO nanoflowers with structure-dependent photocatalytic activity. <i>Catalysis Today</i> , <b>2020</b> , 355, 397-407	5.3	20
204	Advances in nanocellulose-based materials as adsorbents of heavy metals and dyes. <i>Carbohydrate Polymers</i> , <b>2021</b> , 272, 118471	10.3	20
203	Synergy between Zwitterionic Polymers and Hyaluronic Acid Enhances Antifouling Performance. <i>Langmuir</i> , <b>2019</b> , 35, 15535-15542	4	19
202	One-pot synthesis of mercapto functionalized Zr-MOFs for the enhanced removal of Hg ions from water. <i>Chemical Communications</i> , <b>2019</b> , 55, 6775-6778	5.8	19
201	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
200	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
199	Enzymatic hydrolysis of lignocellulose: SEC-MALLS analysis and reaction mechanism. <i>RSC Advances</i> , <b>2013</b> , 3, 1871-1877	3.7	19
198	Chelate immobilization of amylase on metal ceramic powder: Preparation, characterization and application. <i>Biochemical Engineering Journal</i> , <b>2013</b> , 77, 190-197	4.2	19
197	Frontiers in process development, integration and intensification for circular life cycles and reduced emissions. <i>Journal of Cleaner Production</i> , <b>2018</b> , 201, 178-191	10.3	18
196	Self-Assembled Microporous Peptide-Polysaccharide Aerogels for Oil-Water Separation. <i>Langmuir</i> , <b>2018</b> , 34, 10732-10738	4	18
195	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
194	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
193	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	0.5	18

192	Interactions between Lubricin and Hyaluronic Acid Synergistically Enhance Antiadhesive Properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 18090-18102	9.5	17
191	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
190	Jet flow directed supramolecular self-assembly at aqueous liquid-liquid interface. <i>RSC Advances</i> , <b>2014</b> , 4, 15340	3.7	16
189	Production enhancement of 5-hydroxymethyl furfural from fructose via mechanical stirring control and high-fructose solution addition. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2014</b> , 89, 56-64	3.5	16
188	Pancreatic hydrolysis of bovine casein: Changes in the aggregate size and molecular weight distribution. <i>Food Chemistry</i> , <b>2008</b> , 107, 151-157	8.5	16
187	Mechanistic and conformational studies on the interaction of human serum albumin with rhodamine B by NMR, spectroscopic and molecular modeling methods. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 316, 113889	6	16
186	Recyclable Strategy for the Production of High-Purity Galacto-oligosaccharides by <i>Kluyveromyces lactis</i> . <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 5679-85	5.7	16
185	Superior Catalytic Performance of Gold Nanoparticles Within Small Cross-Linked Lysozyme Crystals. <i>Langmuir</i> , <b>2016</b> , 32, 10895-10904	4	16
184	Development of a novel integrated process for co-production of $\beta$ -galactosidase and ethanol using lactose as substrate. <i>Bioresource Technology</i> , <b>2017</b> , 230, 15-23	11	15
183	Long-range ordered graphite oxide liquid crystals. <i>Chemical Communications</i> , <b>2014</b> , 50, 7776-9	5.8	15
182	Facile method to synthesize graphene-ZnS nanocomposites: preparation and application in bioelectrochemistry of hemoglobin. <i>Journal of Solid State Electrochemistry</i> , <b>2013</b> , 17, 2595-2602	2.6	15
181	Shape evolution and thermal stability of lysozyme crystals: effect of pH and temperature. <i>Bioprocess and Biosystems Engineering</i> , <b>2013</b> , 36, 91-9	3.7	15
180	Enhanced enzymatic hydrolysis of corncob by ultrasound-assisted soaking in aqueous ammonia pretreatment. <i>3 Biotech</i> , <b>2018</b> , 8, 166	2.8	14
179	One-pot conversions of carbohydrates to 5-hydroxymethylfurfural using Sn-ceramic powder and hydrochloric acid. <i>Catalysis Today</i> , <b>2018</b> , 302, 94-99	5.3	14
178	Tannic acid-assisted fabrication of Fe-Pd nanoparticles for stable rapid dechlorination of two organochlorides. <i>Chemical Engineering Journal</i> , <b>2018</b> , 352, 716-721	14.7	14
177	Enhanced enzymatic hydrolysis of lignocellulose by integrated decrystallization and fed-batch operation. <i>RSC Advances</i> , <b>2014</b> , 4, 44659-44665	3.7	14
176	Ethanol Production from High-Solid SSCF of Alkaline-Pretreated Corncob Using Recombinant <i>Zymomonas mobilis</i> CP4. <i>Bioenergy Research</i> , <b>2013</b> , 6, 292-299	3.1	14
175	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. <i>Bioresource Technology</i> , <b>2017</b> , 245, 1271-1276	11	14



174	Sensitive and Efficient Electrochemical Determination of Kojic Acid in Foodstuffs Based on Graphene-Pt Nanocomposite-Modified Electrode. <i>Food Analytical Methods</i> , <b>2014</b> , 7, 109-115	3.4	14
173	Pancreatic hydrolysis of bovine casein: Peptide release and time-dependent reaction behavior. <i>Food Chemistry</i> , <b>2012</b> , 133, 851-858	8.5	14
172	Biomimetalization-inspired copper-cystine nanoleaves capable of laccase-like catalysis for the colorimetric detection of epinephrine. <i>Frontiers of Chemical Science and Engineering</i> , <b>2021</b> , 15, 310-318	4.5	14
171	Three-Dimensionally Printed Bioinspired Superhydrophobic Packings for Oil-in-Water Emulsion Separation. <i>Langmuir</i> , <b>2019</b> , 35, 12799-12806	4	13
170	Construction of luffa sponge-based magnetic carbon nanocarriers for laccase immobilization and its application in the removal of bisphenol A. <i>Bioresource Technology</i> , <b>2020</b> , 305, 123085	11	13
169	Structures and Antifouling Properties of Self-Assembled Zwitterionic Peptide Monolayers: Effects of Peptide Charge Distributions and Divalent Cations. <i>Biomacromolecules</i> , <b>2020</b> , 21, 2087-2095	6.9	13
168	Integrating chromium-based ceramic and acid catalysis to convert glucose into 5-hydroxymethylfurfural. <i>Renewable Energy</i> , <b>2018</b> , 125, 327-333	8.1	13
167	Pepsin-induced changes in the size and molecular weight distribution of bovine casein during enzymatic hydrolysis. <i>Journal of Dairy Science</i> , <b>2007</b> , 90, 5004-11	4	13
166	Green fluorescent protein inspired fluorophores. <i>Advances in Colloid and Interface Science</i> , <b>2020</b> , 285, 102286	14.3	13
165	Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 1322-1328	3.6	13
164	Exploration of Intrinsic Lipase-Like Activity of Zirconium-Based Metal-Organic Frameworks. <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 4579-4585	2.3	13
163	Photo-Induced Polymerization and Reconfigurable Assembly of Multifunctional Ferrocene-Tyrosine. <i>Small</i> , <b>2018</b> , 14, e1800772	11	13
162	Highly selective reductive catalytic fractionation at atmospheric pressure without hydrogen. <i>Green Chemistry</i> , <b>2021</b> , 23, 1648-1657	10	13
161	Fluorescent silicon nanoparticles inhibit the amyloid fibrillation of insulin. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 1397-1403	7.3	12
160	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
159	Rational design of a thermophilic $\beta$ -mannanase from <i>Bacillus subtilis</i> TJ-102 to improve its thermostability. <i>Enzyme and Microbial Technology</i> , <b>2018</b> , 118, 50-56	3.8	12
158	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
157	Kinetically controlled enzymatic synthesis of dipeptide precursor of L-alanyl-L-glutamine. <i>Biotechnology and Applied Biochemistry</i> , <b>2011</b> , 58, 449-55	2.8	12

156	Time-dependent nature in peptic hydrolysis of native bovine hemoglobin. <i>European Food Research and Technology</i> , <b>2007</b> , 225, 637-647	3.4	12
155	Synthesis of 2,5-diformylfuran from 5-hydroxymethylfurfural in ethyl acetate using 4-acetamido-TEMPO as a recyclable catalyst. <i>Catalysis Today</i> , <b>2019</b> , 319, 121-127	5.3	12
154	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
153	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
152	Zwitterionic Peptide Enhances Protein-Resistant Performance of Hyaluronic Acid-Modified Surfaces. <i>Langmuir</i> , <b>2020</b> , 36, 1923-1929	4	11
151	Enzyme-substrate interactions promote the self-assembly of amino acid derivatives into supramolecular hydrogels. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 844-851	7.3	11
150	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
149	Real-time adsorption and action of expansin on cellulose. <i>Biotechnology for Biofuels</i> , <b>2018</b> , 11, 317	7.8	11
148	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
147	Constructing peptide-based artificial hydrolases with customized selectivity. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 3804-3810	7.3	10
146	Continuous rapid dechlorination of p-chlorophenol by Fe-Pd nanoparticles promoted by procyanidin. <i>Chemical Engineering Science</i> , <b>2019</b> , 201, 121-131	4.4	10
145	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
144	Three-dimensional printing of black phosphorous/polypyrrole electrode for energy storage using thermoresponsive ink. <i>Chemical Communications</i> , <b>2020</b> , 56, 3115-3118	5.8	10
143	Nontoxic Black Phosphorus Quantum Dots Inhibit Insulin Amyloid Fibrillation at an Ultralow Concentration. <i>IScience</i> , <b>2020</b> , 23, 101044	6.1	10
142	Highly efficient production of FAMES and Farnesene from a two-stage biotransformation of waste cooking oils. <i>Energy Conversion and Management</i> , <b>2019</b> , 199, 112001	10.6	10
141	Scissor-based fluorescent detection of pepsin using lysozyme-stabilized Au nanoclusters. <i>Analytical Methods</i> , <b>2014</b> , 6, 6789-6795	3.2	10
140	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
139	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

138	Improved conversion efficiency of Lignin-to-Fuel conversion by limiting catalyst deactivation. <i>Chemical Engineering Journal</i> , <b>2021</b> , 410, 128270	14.7	10
137	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
136	Adsorption-Desorption Behavior of Black Phosphorus Quantum Dots on Mucin Surface. <i>Langmuir</i> , <b>2018</b> , 34, 8508-8515	4	10
135	Co-optimization of sugar yield and input energy by the stepwise reduction of agitation rate during lignocellulose hydrolysis. <i>Food and Bioproducts Processing</i> , <b>2015</b> , 95, 1-6	4.9	9
134	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
133	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, 64581-64588	2.7	9
132	Alginate-casein microspheres as bioactive vehicles for nutrients. <i>Transactions of Tianjin University</i> , <b>2015</b> , 21, 383-391	2.9	9
131	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
130	Enzymatic Hydrolysis of Cellulose with Different Crystallinities Studied by Means of SEC-MALLS. <i>Chinese Journal of Chemical Engineering</i> , <b>2011</b> , 19, 773-778	3.2	9
129	Preparation and activity of bubbling-immobilized cellobiase within chitosan-alginate composite. <i>Preparative Biochemistry and Biotechnology</i> , <b>2010</b> , 40, 57-64	2.4	9
128	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
127	Molecularly imprinted peptide-based enzyme mimics with enhanced activity and specificity. <i>Soft Matter</i> , <b>2020</b> , 16, 7033-7039	3.6	9
126	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
125	Ferrocene-Modified Metal-Organic Frameworks as a Peroxidase-Mimicking Catalyst. <i>Catalysis Letters</i> , <b>2021</b> , 151, 478-486	2.8	9
124	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
123	Real-Time Adsorption of Exo- and Endoglucanases on Cellulose: Effect of pH, Temperature, and Inhibitors. <i>Langmuir</i> , <b>2018</b> , 34, 13514-13522	4	9
122	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
121	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

120	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
119	Ferrocene-modified peptides as inhibitors against insulin amyloid aggregation based on molecular simulation. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 3076-3086	7.3	8
118	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
117	Multimodal Miniature Surface Forces Apparatus (BFA) for Interfacial Science Measurements. <i>Langmuir</i> , <b>2019</b> , 35, 15500-15514	4	8
116	Describing some characters of serine proteinase using fractal analysis. <i>Chaos, Solitons and Fractals</i> , <b>2012</b> , 45, 1017-1023	9.3	8
115	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
114	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
113	Bioinspired Fluorescent Peptidyl Nanoparticles with Rainbow Colors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 31830-31841	9.5	7
112	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
111	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
110	Self-assembled oligomeric procyanidin-insulin hybrid nanoparticles: a novel strategy for controllable insulin delivery. <i>Biomaterials Science</i> , <b>2013</b> , 1, 834-841	7.4	7
109	The Optimization of Fractionating Lignocellulose by Formic Acid Using Response Surface Methodology. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2010</b> , 32, 1282-1292	1.6	7
108	Ethanol From Corn Stover Using SSF: An Economic Assessment. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , <b>2011</b> , 6, 136-144	3.1	7
107	Preparation and characterization of enzyme-modified konjac glucomannan/xanthan blend films. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2009</b> , 20, 299-310	3.5	7
106	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
105	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
104	Interactions of Fly Ash Particles with Mucin and Serum Albumin. <i>Langmuir</i> , <b>2018</b> , 34, 12251-12258	4	7
103	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

102	Structure-tunable assembly of lignin sub-micro spheres by modifying the amphiphilic interfaces of lignin via n-alkane. <i>European Polymer Journal</i> , <b>2020</b> , 126, 109539	5.2	6
101	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
100	Recycling Strategy and Repression Elimination for Lignocellulosic-Based Farnesene Production with an Engineered. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 9858-9867	5.7	6
99	Chemical catalysis triggered self-assembly for the bottom-up fabrication of peptide nanofibers and hydrogels. <i>Materials Letters</i> , <b>2014</b> , 128, 216-219	3.3	6
98	Noncovalent functionalization of graphene by CdS nanohybrids for electrochemical applications. <i>Thin Solid Films</i> , <b>2014</b> , 568, 58-62	2.2	6
97	Backbone fractal dimension and fractal hybrid orbital of protein structure. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2013</b> , 18, 3373-3381	3.7	6
96	Intensive Protein Digestion Using Cross-Linked Trypsin Aggregates in Proteomics Analysis. <i>ChemPlusChem</i> , <b>2013</b> , 78, 407-412	2.8	6
95	Cellulase Recycling after High-Solids Simultaneous Saccharification and Fermentation of Combined Pretreated Corncob. <i>Frontiers in Energy Research</i> , <b>2014</b> , 2,	3.8	6
94	Photo-induced inhibition of insulin amyloid fibrillation on online laser measurement. <i>Biochemical and Biophysical Research Communications</i> , <b>2011</b> , 409, 229-34	3.4	6
93	Preparation of amorphous MOF based biomimetic nanozyme with high laccase- and catecholase-like activity for the degradation and detection of phenolic compounds. <i>Chemical Engineering Journal</i> , <b>2022</b> , 434, 134677	14.7	6
92	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
91	One-pot synthesis of fluorine functionalized Zr-MOFs and their in situ growth on sponge for oil absorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 616, 126322	5.1	6
90	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
89	A gas-phase amplified quartz crystal microbalance immunosensor based on catalase modified immunoparticles. <i>Analyst, The</i> , <b>2015</b> , 140, 1174-81	5	5
88	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
87	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
86	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
85	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

84	A simply enzymatic hydrolysis pretreatment for $\beta$ -mannanase production from konjac powder. <i>Bioresource Technology</i> , <b>2018</b> , 249, 1052-1057	11	5
83	Sequential sandwich immunoassay for simultaneous detection in trace samples using single-channel surface plasmon resonance. <i>Analyst, The</i> , <b>2019</b> , 144, 5700-5705	5	5
82	Transformation of antimicrobial into bradykinin-potentiating peptides during peptic hydrolysis of bovine haemoglobin: identification, release kinetics and reaction network of peptides. <i>Journal of the Science of Food and Agriculture</i> , <b>2007</b> , 87, 461-469	4.3	5
81	Interaction of particles with mucosae and cell membranes. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 186, 110657	6	5
80	Effect of Hydrophobicity and Charge Separation on the Antifouling Properties of Surface-Tethered Zwitterionic Peptides. <i>Langmuir</i> , <b>2021</b> , 37, 8455-8462	4	5
79	Multimode Optical Fiber Surface Plasmon Resonance Signal Processing Based on the Fourier Series Fitting. <i>Plasmonics</i> , <b>2016</b> , 11, 721-727	2.4	5
78	Migration of phthalates from polyvinyl chloride film to fatty food simulants: experimental studies and model application. <i>Journal Fur Verbraucherschutz Und Lebensmittelsicherheit</i> , <b>2020</b> , 15, 135-143	2.3	5
77	Self-Assembly of Ferrocene Peptides: A Nonheme Strategy to Construct a Peroxidase Mimic. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1901082	4.6	4
76	Polyamine-induced, chiral expression from liquid crystalline peptide nanofilaments to long-range ordered nanohelices. <i>Soft Matter</i> , <b>2019</b> , 15, 4818-4826	3.6	4
75	Real-Time QCM-D Monitoring of Deposition of Gold Nanorods on a Supported Lipid Bilayer as a Model Cell Membrane. <i>ACS Omega</i> , <b>2019</b> , 4, 6059-6067	3.9	4
74	Self-assembly of multifunctional hydrogels with polyoxometalates helical arrays using nematic peptide liquid crystal template. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 578, 218-228	9.3	4
73	Real-Time QCM-D Monitoring of the Adsorption-Desorption of Expansin on Lignin. <i>Langmuir</i> , <b>2020</b> , 36, 4503-4510	4	4
72	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> , <b>2018</b> , 24, 301-307	2.9	4
71	Design of Silica Nanostructures with Tunable Architectures Templated by Ferrocene Peptides. <i>ChemistrySelect</i> , <b>2018</b> , 3, 4939-4943	1.8	4
70	Flow Rate and Concentration-dependent Effects of Molecular Dynamics on Elution Behaviors of Flexible Polymers in Gel Permeation Chromatography: A Multi-angle Laser Light Scattering Study. <i>Journal of Macromolecular Science - Physics</i> , <b>2006</b> , 45, 699-708	1.4	4
69	Laccase-catalyzed soy protein and gallic acid complexation: Effects on conformational structures and antioxidant activity.. <i>Food Chemistry</i> , <b>2021</b> , 375, 131865	8.5	4
68	Investigation of fermentation conditions of biodiesel by-products for high production of $\beta$ -farnesene by an engineered <i>Escherichia coli</i> . <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 22758-22769	5.1	4
67	Alizarin and Purpurin from <i>L. Suppress</i> Insulin Fibrillation and Reduce the Amyloid-Induced Cytotoxicity. <i>ACS Chemical Neuroscience</i> , <b>2021</b> , 12, 2182-2193	5.7	4

66	Short-Sequence Superadhesive Peptides with Topologically Enhanced Cation-Interactions. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 5168-5176	9.6	4
65	Circularly Polarized Luminescent Chiral Photonic Films Based on the Coassembly of Cellulose Nanocrystals and Gold Nanoclusters.. <i>Langmuir</i> , <b>2022</b> ,	4	4
64	Optimisation of culture conditions and development of a novel fed-batch strategy for high production of $\beta$ -galactosidase by <i>Kluyveromyces lactis</i> . <i>International Journal of Food Science and Technology</i> , <b>2017</b> , 52, 1887-1893	3.8	3
63	Facile Fabrication of Oxidized Lignin-Based Porous Carbon Spheres for Efficient Removal of $Pb^{2+}$ . <i>ChemistrySelect</i> , <b>2019</b> , 4, 5251-5257	1.8	3
62	Construction of Supramolecular Nanostructures with High Catalytic Activity by Photoinduced Hierarchical Co-Assembly. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 7896-7902	4.8	3
61	Effect of Sugars on the Real-Time Adsorption of Expansin on Cellulose. <i>Biomacromolecules</i> , <b>2020</b> , 21, 1776-1784	6.9	3
60	Capillary Flow-Driven, Hierarchical Chiral Self-Assembly of Peptide Nanohelix Arrays. <i>Advanced Materials Interfaces</i> , <b>2017</b> , 4, 1700514	4.6	3
59	Dissolution and enzymatic hydrolysis of casein micelles studied by dynamic light scattering. <i>Frontiers of Chemical Engineering in China</i> , <b>2007</b> , 1, 123-127		3
58	Self-Assembly of Ferrocene-Phenylalanine@Graphene Oxide Hybrid Hydrogels for Dopamine Detection. <i>ChemPlusChem</i> , <b>2020</b> , 85, 2341-2348	2.8	3
57	Thermally Induced Structural Transition of Peptide Nanofibers into Nanoparticles with Enhanced Fluorescence Properties. <i>ChemPlusChem</i> , <b>2020</b> , 85, 1523-1528	2.8	3
56	Self-Assembly of Peptide Chiral Nanostructures with Sequence-Encoded Enantioselective Capability. <i>Langmuir</i> , <b>2020</b> , 36, 10361-10370	4	3
55	Self-Templated, Enantioselective Assembly of an Amyloid-like Dipeptide into Multifunctional Hierarchical Helical Arrays. <i>ACS Nano</i> , <b>2021</b> , 15, 9827-9840	16.7	3
54	Polydopamine-Assisted Fabrication of Stable Silver Nanoparticles on Optical Fiber for Enhanced Plasmonic Sensing. <i>Photonic Sensors</i> , <b>2020</b> , 10, 97-104	2.3	3
53	Lubricin-Inspired Loop Zwitterionic Peptide for Fabrication of Superior Antifouling Surfaces. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 41978-41986	9.5	3
52	Nano-engineered natural sponge as a recyclable and deformable reactor for ultrafast conversion of pollutants from water. <i>Chemical Engineering Science</i> , <b>2022</b> , 247, 117049	4.4	3
51	Greener production of cellulose nanocrystals: An optimised design and life cycle assessment. <i>Journal of Cleaner Production</i> , <b>2022</b> , 345, 131073	10.3	3
50	Superhydrophobic, elastic and anisotropic cellulose nanofiber aerogels for highly effective oil/water separation. <i>Separation and Purification Technology</i> , <b>2022</b> , 121266	8.3	3
49	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> , <b>2017</b> , 13, 1700102	11	2

48	Oscillating Cellulase Adsorption and Enhanced Lignocellulose Hydrolysis upon Ultrasound Treatment. <i>Transactions of Tianjin University</i> , <b>2017</b> , 23, 11-19	2.9	2
47	Frontispiz: Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. <i>Angewandte Chemie</i> , <b>2019</b> , 131,	3.6	2
46	Rationally Designed Peptidyl Virus-Like Particles Enable Targeted Delivery of Genetic Cargo. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 14228-14232	3.6	2
45	Polydopamine-assisted fabrication of fiber-optic localized surface plasmon resonance sensor based on gold nanoparticles. <i>Transactions of Tianjin University</i> , <b>2015</b> , 21, 412-419	2.9	2
44	Identification and release kinetics of peptides from the process of peptic hydrolysis of bovine hemoglobin by LC-ESI-MS/MS. <i>Preparative Biochemistry and Biotechnology</i> , <b>2007</b> , 37, 123-38	2.4	2
43	Real-Time Thickness Measurement of Marine Oil Spill by Fiber-Optic Surface Plasmon Resonance Sensors. <i>Frontiers in Marine Science</i> , <b>2022</b> , 8,	4.5	2
42	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> , <b>2022</b> , 429, 128310	12.8	2
41	Construction of biomimetic nanozyme with high laccase- and catecholase-like activity for oxidation and detection of phenolic compounds.. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 429, 128404	12.8	2
40	Chiral self-assembly of peptides: Toward the design of supramolecular polymers with enhanced chemical and biological functions. <i>Progress in Polymer Science</i> , <b>2021</b> , 123, 101469	29.6	2
39	A combined strategy of metabolic pathway regulation and two-step bioprocess for improved 4-androstene-3,17-dione production with an engineered <i>Mycobacterium neoaurum</i> . <i>Biochemical Engineering Journal</i> , <b>2020</b> , 164, 107789	4.2	2
38	Efficient removal of chloroform in groundwater by polyethylene glycol-stabilized Fe/Ni nanoparticles. <i>Environmental Chemistry Letters</i> , <b>2021</b> , 19, 3511-3515	13.3	2
37	Engineering peptide-based biomimetic enzymes for enhanced catalysis. <i>RSC Advances</i> , <b>2016</b> , 6, 40828-40834	3.7	2
36	Control of peptide hydrogel formation and stability via heating treatment. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 583, 234-242	9.3	2
35	Kinetically Controlled Carboxypeptidase-Catalyzed Synthesis of Novel Antioxidant Dipeptide Precursor BOC-Tyr-Ala. <i>Transactions of Tianjin University</i> , <b>2018</b> , 24, 513-521	2.9	2
34	Enhanced enzymatic hydrolysis of cellulose by endoglucanase via expansin pretreatment and the addition of zinc ions. <i>Bioresource Technology</i> , <b>2021</b> , 333, 125139	11	2
33	Rational design of 17 $\beta$ hydroxysteroid dehydrogenase type3 for improving testosterone production with an engineered <i>Pichia pastoris</i> . <i>Bioresource Technology</i> , <b>2021</b> , 341, 125833	11	2
32	Mineralization and Self-assembly of Gold Nanoparticles using Sulfur Amino Acid Modified Hierarchically Porous Metal-Organic Frameworks. <i>ChemistrySelect</i> , <b>2021</b> , 6, 712-716	1.8	2
31	Chiral photonic materials self-assembled by cellulose nanocrystals. <i>Current Opinion in Solid State and Materials Science</i> , <b>2022</b> , 26, 101017	12	2



30	Enzyme-free visualization of nucleic acids during HIV infection by octopus-like DNA. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 150, 122-128	7.9	1
29	Photonic Crystals: Tunable Design of Structural Colors Produced by Pseudo-1D Photonic Crystals of Graphene Oxide (Small 25/2016). <i>Small</i> , <b>2016</b> , 12, 3432	11	1
28	Peptide Biomaterials: Photo-Induced Polymerization and Reconfigurable Assembly of Multifunctional Ferrocene-Tyrosine (Small 25/2018). <i>Small</i> , <b>2018</b> , 14, 1870118	11	1
27	High-Efficiency Preparation of 2,5-Diformylfuran with a Keto-ABNO Catalyst Under Mild Conditions. <i>Transactions of Tianjin University</i> , <b>2019</b> , 25, 118-123	2.9	1
26	Solid-Phase Enzymatic Peptide Synthesis to Produce an Antioxidant Dipeptide. <i>Transactions of Tianjin University</i> , <b>2019</b> , 25, 276-282	2.9	1
25	Protamine-induced condensation of peptide nanofilaments into twisted bundles with controlled helical geometry. <i>Journal of Peptide Science</i> , <b>2019</b> , 25, e3176	2.1	1
24	EFFECT OF PHOSPHORYLATION ON THE RETENTION BEHAVIOR OF PEPTIDES IN ION PAIRING REVERSED-PHASE HPLC BASED ON A PREDICTION MODEL. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2010</b> , 33, 733-747	1.3	1
23	Copper ions binding regulation for the high-efficiency biodegradation of ciprofloxacin and tetracycline-HCl by low-cost permeabilized-cells. <i>Bioresource Technology</i> , <b>2022</b> , 344, 126297	11	1
22	Lipid Anchoring Improves Lubrication and Wear Resistance of the Collagen I Matrix. <i>Langmuir</i> , <b>2021</b> , 37, 13810-13815	4	1
21	Rational Design of Chiral Nanohelices from Self-Assembly of Meso-tetrakis (4-Carboxyphenyl) Porphyrin-Amino Acid Conjugates. <i>Langmuir</i> , <b>2021</b> , 37, 13067-13074	4	1
20	Synergistic effect of polystyrene nanoplastics and contaminants on the promotion of insulin fibrillation. <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 214, 112115	7	1
19	Self-Assembly of Ferrocenyl Phenylalanine into Nanohelical Arrays via Kinetic Control.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 4744-4752	4.1	1
18	Colorful Pigments for Hair Dyeing Based on Enzymatic Oxidation of Tyrosine Derivatives. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 34851-34864	9.5	1
17	High chloroform removal using tannic acid to promote the activation of persulfate with Fe/Ni nanoparticles. <i>Environmental Chemistry Letters</i> ,1	13.3	1
16	Bifunctional utilization of whey powder as a substrate and inducer for Farnesene production in an engineered Escherichia coli. <i>Bioresource Technology</i> , <b>2021</b> , 341, 125739	11	1
15	Topology-Induced Chiral Amplification and Inversion in Self-Assembling Dipeptide Films. <i>Advanced Materials Interfaces</i> ,2102089	4.6	0
14	Enhanced Polychromatic Luminescence of Bionic Peptidyl Nanoparticles Driven by Hydrogen Bonds. <i>Particle and Particle Systems Characterization</i> ,2100260	3.1	0
13	Oligomeric procyanidins inhibit insulin fibrillation by forming unstructured and off-pathway aggregates.. <i>RSC Advances</i> , <b>2021</b> , 11, 37290-37298	3.7	0

12	Self-Assembled Bio-Organometallic Nanocatalysts for Highly Enantioselective Direct Aldol Reactions. <i>Langmuir</i> , <b>2020</b> , 36, 13735-13742	4	○
11	An effective enzymatic assay for pH selectively measuring direct and total bilirubin concentration by using of CotA. <i>Biochemical and Biophysical Research Communications</i> , <b>2021</b> , 547, 192-197	3.4	○
10	Rapid enrichment of peptides with calcium-chelating capacity and characterization of physical chemical properties. <i>Acta Alimentaria</i> , <b>2019</b> , 48, 466-476	1	○
9	Co-modification of Biochar and Bentonite for Adsorption and Stabilization of Pb <sup>2+</sup> ions. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , <b>2021</b> , 36, 1083	1	○
8	Promising Techniques for Depolymerization of Lignin into Value-added Chemicals. <i>ChemCatChem</i> , <b>2019</b> , 11, 638-638	5.2	
7	Interactions of Transition Metal Dichalcogenide Nanosheets With Mucin: Quartz Crystal Microbalance With Dissipation, Surface Plasmon Resonance, and Spectroscopic Probing. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 166	5	
6	Advanced Methods and Technology in Biomedicine and Biology. <i>Biotechnology and Biotechnological Equipment</i> , <b>2013</b> , 27, 3909-3910	1.6	
5	Peptide Microstructures: Capillary Force-Driven, Hierarchical Co-Assembly of Dandelion-Like Peptide Microstructures (Small 24/2015). <i>Small</i> , <b>2015</b> , 11, 2830-2830	11	
4	Regeneration of insulin monomers from amyloid fibrils by a NH <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> two-step method. <i>Biotechnology Letters</i> , <b>2012</b> , 34, 1959-64	3	
3	Hydrodynamically driven self-assembly of lignin bowls and spheres by line-type micro-mixer. <i>Chemical Engineering Science</i> , <b>2022</b> , 250, 117390	4.4	
2	Innentitelbild: Rationally Designed Peptidyl Virus-Like Particles Enable Targeted Delivery of Genetic Cargo (Angew. Chem. 43/2018). <i>Angewandte Chemie</i> , <b>2018</b> , 130, 14134-14134	3.6	
1	Divalent cations accelerate aggregation of Black phosphorus nanodots. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 341, 117331	6	