

# Rongxin Su

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/2288462/rongxin-su-publications-by-year.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 | 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         |
| 298 | 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         |
| 297 | 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         |
| 296 | 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         |
| 295 | 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         |
| 294 | 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  |           |
| 293 | 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         |
| 292 | Circularly Polarized Luminescent Chiral Photonic Films Based on the Coassembly of Cellulose Nanocrystals and Gold Nanoclusters.. <i>Langmuir</i> , <b>2022</b> ,   | 4    | 4         |
| 291 | 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         |
| 290 | 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         |
| 289 | 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         |
| 288 | Lipid Anchoring Improves Lubrication and Wear Resistance of the Collagen I Matrix. <i>Langmuir</i> , <b>2021</b> , 37, 13810-13815   | 4    | 1         |
| 287 | 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         |
| 286 | 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         |
| 285 | 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         |
| 284 | 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         |
| 283 | 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         |

|     |  |      |    |
|-----|--|------|----|
| 282 | 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 |
| 281 | 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  | 0  |
| 280 | 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 |
| 279 | 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  |
| 278 | 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  |
| 277 | 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  |
| 276 | 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  |
| 275 | 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  |
| 274 | Alizarin and Purpurin from L. Suppress Insulin Fibrillation and Reduce the Amyloid-Induced Cytotoxicity. <i>ACS Chemical Neuroscience</i> , <b>2021</b> , 12, 2182-2193  | 5.7  | 4  |
| 273 | 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  |
| 272 | Short-Sequence Superadhesive Peptides with Topologically Enhanced Cation-Interactions. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 5168-5176   | 9.6  | 4  |
| 271 | 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  |
| 270 | 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  |
| 269 | Ferrocene-Modified Metal-Organic Frameworks as a Peroxidase-Mimicking Catalyst. <i>Catalysis Letters</i> , <b>2021</b> , 151, 478-486  | 2.8  | 9  |
| 268 | 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 |
| 267 | 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  |
| 266 | 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  |
| 265 | 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 |

|     |   |      |    |
|-----|---|------|----|
| 264 | 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    | 0  |
| 263 | 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  |
| 262 | 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  |
| 261 | 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  |
| 260 | Divalent cations accelerate aggregation of Black phosphorus nanodots. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 341, 117331   | 6    |    |
| 259 | Advances in nanocellulose-based materials as adsorbents of heavy metals and dyes. <i>Carbohydrate Polymers</i> , <b>2021</b> , 272, 118471  | 10.3 | 20 |
| 258 | 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  |
| 257 | Bifunctional utilization of whey powder as a substrate and inducer for $\beta$ -farnesene production in an engineered <i>Escherichia coli</i> . <i>Bioresource Technology</i> , <b>2021</b> , 341, 125739     | 11   | 1  |
| 256 | Highly selective reductive catalytic fractionation at atmospheric pressure without hydrogen. <i>Green Chemistry</i> , <b>2021</b> , 23, 1648-1657   | 10   | 13 |
| 255 | 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  |
| 254 | 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  |
| 253 | 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 |
| 252 | 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  |
| 251 | 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  |
| 250 | 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 |
| 249 | 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  |
| 248 | 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  |
| 247 | Bioinspired Fluorescent Peptidyl Nanoparticles with Rainbow Colors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 31830-31841   | 9.5  | 7  |

|     |  |     |    |
|-----|--|-----|----|
| 246 | 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  |
| 245 | 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 |
| 244 | 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 |
| 243 | Effect of Sugars on the Real-Time Adsorption of Expansin on Cellulose. <i>Biomacromolecules</i> , <b>2020</b> , 21, 1776-1784  | 6.9 | 3  |
| 242 | 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 |
| 241 | 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  |
| 240 | Zwitterionic Peptide Enhances Protein-Resistant Performance of Hyaluronic Acid-Modified Surfaces. <i>Langmuir</i> , <b>2020</b> , 36, 1923-1929  | 4   | 11 |
| 239 | 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  |
| 238 | 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  |
| 237 | 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 |
| 236 | High-efficiency and low-cost production of cadaverine from a permeabilized-cell bioconversion by a Lysine-induced engineered Escherichia coli. <i>Bioresource Technology</i> , <b>2020</b> , 302, 122844                             | 11  | 22 |
| 235 | 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 |
| 234 | 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 |
| 233 | Real-Time QCM-D Monitoring of the Adsorption-Desorption of Expansin on Lignin. <i>Langmuir</i> , <b>2020</b> , 36, 4503-4510   | 4   | 4  |
| 232 | Nontoxic Black Phosphorus Quantum Dots Inhibit Insulin Amyloid Fibrillation at an Ultralow Concentration. <i>IScience</i> , <b>2020</b> , 23, 101044   | 6.1 | 10 |
| 231 | 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  |
| 230 | 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 |
| 229 | 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, 4699-4708                 | 9.5 | 18 |

|     |   |      |    |
|-----|---|------|----|
| 228 | Interaction of particles with mucosae and cell membranes. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 186, 110657   | 6    | 5  |
| 227 | Green fluorescent protein inspired fluorophores. <i>Advances in Colloid and Interface Science</i> , <b>2020</b> , 285, 102286   | 14.3 | 13 |
| 226 | Self-Assembly of Ferrocene-Phenylalanine@Graphene Oxide Hybrid Hydrogels for Dopamine Detection. <i>ChemPlusChem</i> , <b>2020</b> , 85, 2341-2348  | 2.8  | 3  |
| 225 | 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  |
| 224 | 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  |
| 223 | Molecularly imprinted peptide-based enzyme mimics with enhanced activity and specificity. <i>Soft Matter</i> , <b>2020</b> , 16, 7033-7039  | 3.6  | 9  |
| 222 | Investigation of fermentation conditions of biodiesel by-products for high production of Farnesene by an engineered <i>Escherichia coli</i> . <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 22758-22769                 | 5.1  | 4  |
| 221 | Self-Assembled Bio-Organometallic Nanocatalysts for Highly Enantioselective Direct Aldol Reactions. <i>Langmuir</i> , <b>2020</b> , 36, 13735-13742   | 4    | 0  |
| 220 | 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 |
| 219 | Self-Assembly of Peptide Chiral Nanostructures with Sequence-Encoded Enantioselective Separation Capability. <i>Langmuir</i> , <b>2020</b> , 36, 10361-10370  | 4    | 3  |
| 218 | 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  |
| 217 | 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 |
| 216 | 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  |
| 215 | Controllable synthesis of ZnO nanoflowers with structure-dependent photocatalytic activity. <i>Catalysis Today</i> , <b>2020</b> , 355, 397-407   | 5.3  | 20 |
| 214 | 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  |
| 213 | Synergy between Zwitterionic Polymers and Hyaluronic Acid Enhances Antifouling Performance. <i>Langmuir</i> , <b>2019</b> , 35, 15535-15542   | 4    | 19 |
| 212 | Three-Dimensionally Printed Bioinspired Superhydrophobic Packings for Oil-in-Water Emulsion Separation. <i>Langmuir</i> , <b>2019</b> , 35, 12799-12806   | 4    | 13 |
| 211 | Promising Techniques for Depolymerization of Lignin into Value-added Chemicals. <i>ChemCatChem</i> , <b>2019</b> , 11, 638-638  | 5.2  |    |

|     |   |      |    |
|-----|---|------|----|
| 210 | 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 |
| 209 | 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 |
| 208 | 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    |    |
| 207 | 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  |
| 206 | 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 |
| 205 | Constructing peptide-based artificial hydrolases with customized selectivity. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 3804-3810  | 7.3  | 10 |
| 204 | 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 |
| 203 | Facile Fabrication of Oxidized Lignin-Based Porous Carbon Spheres for Efficient Removal of Pb <sup>2+</sup> . <i>ChemistrySelect</i> , <b>2019</b> , 4, 5251-5257   | 1.8  | 3  |
| 202 | Frontispiz: Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. <i>Angewandte Chemie</i> , <b>2019</b> , 131,   | 3.6  | 2  |
| 201 | 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 |
| 200 | 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  |
| 199 | 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 |
| 198 | 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  |
| 197 | Amphiphilic hydrogels for biomedical applications. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 2899-2910   | 7.3  | 32 |
| 196 | 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  |
| 195 | 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  |
| 194 | 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  |
| 193 | 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  |

|     |  |      |     |
|-----|--|------|-----|
| 192 | 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   |
| 191 | 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   |
| 190 | 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   |
| 189 | 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   |
| 188 | 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   |
| 187 | Multimodal Miniature Surface Forces Apparatus (BFA) for Interfacial Science Measurements. <i>Langmuir</i> , <b>2019</b> , 35, 15500-15514  | 4    | 8   |
| 186 | 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  |
| 185 | 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    | 0   |
| 184 | Promising Techniques for Depolymerization of Lignin into Value-added Chemicals. <i>ChemCatChem</i> , <b>2019</b> , 11, 639-654   | 5.2  | 41  |
| 183 | Biomimetic Bottlebrush Polymer Coatings for Fabrication of Ultralow Fouling Surfaces. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 1322-1328  | 3.6  | 13  |
| 182 | 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  |
| 181 | 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  |
| 180 | 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  |
| 179 | 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  |
| 178 | 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 |
| 177 | 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   |
| 176 | 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  |
| 175 | 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   |



|     |  |      |    |
|-----|--|------|----|
| 174 | 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 |
| 173 | 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 |
| 172 | A simply enzymatic hydrolysis pretreatment for $\beta$ mannanase production from konjac powder. <i>Bioresource Technology</i> , <b>2018</b> , 249, 1052-1057                               | 11   | 5  |
| 171 | Three-dimensionally printed bioinspired superhydrophobic PLA membrane for oil-water separation. <i>AIChE Journal</i> , <b>2018</b> , 64, 3700-3708   | 3.6  | 38 |
| 170 | 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  |
| 169 | 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 |
| 168 | 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 |
| 167 | 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 |
| 166 | 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 |
| 165 | Design of Silica Nanostructures with Tunable Architectures Templated by Ferrocene Peptides. <i>ChemistrySelect</i> , <b>2018</b> , 3, 4939-4943  | 1.8  | 4  |
| 164 | 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  |
| 163 | Self-Assembled Microporous Peptide-Polysaccharide Aerogels for Oil-Water Separation. <i>Langmuir</i> , <b>2018</b> , 34, 10732-10738   | 4    | 18 |
| 162 | Poly ( $\beta$ Glutamic Acid) Promotes Enhanced Dechlorination of p-Chlorophenol by Fe-Pd Nanoparticles. <i>Nanoscale Research Letters</i> , <b>2018</b> , 13, 219                         | 5    | 6  |
| 161 | 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 |
| 160 | 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 |
| 159 | Aromatic Motifs Dictate Nanohelix Handedness of Tripeptides. <i>ACS Nano</i> , <b>2018</b> , 12, 12305-12314   | 16.7 | 30 |
| 158 | Real-time adsorption and action of expansin on cellulose. <i>Biotechnology for Biofuels</i> , <b>2018</b> , 11, 317  | 7.8  | 11 |
| 157 | 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  |

|     |   |      |    |
|-----|---|------|----|
| 156 | Interactions of Fly Ash Particles with Mucin and Serum Albumin. <i>Langmuir</i> , <b>2018</b> , 34, 12251-12258   | 4    | 7  |
| 155 | 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  |    |
| 154 | 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 |
| 153 | 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  |
| 152 | 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 |
| 151 | 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  |
| 150 | Photo-Induced Polymerization and Reconfigurable Assembly of Multifunctional Ferrocene-Tyrosine. <i>Small</i> , <b>2018</b> , 14, e1800772   | 11   | 13 |
| 149 | Bioinspired Peptide-Coated Superhydrophilic Poly(vinylidene fluoride) Membrane for Oil/Water Emulsion Separation. <i>Langmuir</i> , <b>2018</b> , 34, 6621-6627   | 4    | 34 |
| 148 | Adsorption-Desorption Behavior of Black Phosphorus Quantum Dots on Mucin Surface. <i>Langmuir</i> , <b>2018</b> , 34, 8508-8515   | 4    | 10 |
| 147 | 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> , <b>2017</b> , 7, 7560-7566   | 3.7  | 22 |
| 146 | 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 |
| 145 | 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 |
| 144 | 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  |
| 143 | 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  |
| 142 | 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 |
| 141 | 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 |
| 140 | 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 |
| 139 | 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  |

|     |  |      |    |
|-----|--|------|----|
| 138 | 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 |
| 137 | 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 |
| 136 | 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  |
| 135 | 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 |
| 134 | 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 |
| 133 | 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 |
| 132 | Bioorganometallic ferrocene-tripeptide nanoemulsions. <i>Nanoscale</i> , <b>2017</b> , 9, 15323-15331  | 7.7  | 21 |
| 131 | Capillary Flow-Driven, Hierarchical Chiral Self-Assembly of Peptide Nanohelix Arrays. <i>Advanced Materials Interfaces</i> , <b>2017</b> , 4, 1700514  | 4.6  | 3  |
| 130 | Reconfigurable Chiral Self-Assembly of Peptides through Control of Terminal Charges. <i>Small</i> , <b>2017</b> , 13, 1700999  | 11   | 24 |
| 129 | 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 |
| 128 | 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 |
| 127 | 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 |
| 126 | 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  |
| 125 | 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 |
| 124 | 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 |
| 123 | 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 |
| 122 | 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 |
| 121 | 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      | 3.7  | 8  |

|     |  |      |    |
|-----|--|------|----|
| 120 | 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 |
| 119 | Functionalized silica nanoparticles for conversion of fructose to 5-hydroxymethylfurfural. <i>Chemical Engineering Journal</i> , <b>2016</b> , 296, 209-216  | 14.7 | 57 |
| 118 | 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 |
| 117 | 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 |
| 116 | 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 |
| 115 | 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 |
| 114 | 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  |
| 113 | Design and mechanisms of antifouling materials for surface plasmon resonance sensors. <i>Acta Biomaterialia</i> , <b>2016</b> , 40, 100-118  | 10.8 | 68 |
| 112 | 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  |
| 111 | Engineering peptide-based biomimetic enzymes for enhanced catalysis. <i>RSC Advances</i> , <b>2016</b> , 6, 40828-40834  | 3.4  | 2  |
| 110 | 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 |
| 109 | Superior Catalytic Performance of Gold Nanoparticles Within Small Cross-Linked Lysozyme Crystals. <i>Langmuir</i> , <b>2016</b> , 32, 10895-10904  | 4    | 16 |
| 108 | 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 |
| 107 | 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 |
| 106 | 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 |
| 105 | Co-optimization of sugar yield and input energy by the stepwise reduction of agitation rate during lignocellulose hydrolysis. <i>Food and Bioprocess Processing</i> , <b>2015</b> , 95, 1-6  | 4.9  | 9  |
| 104 | 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 |
| 103 | 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 |

|     |   |      |     |
|-----|---|------|-----|
| 102 | 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   |
| 101 | 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  |
| 100 | Advances in carrier-bound and carrier-free immobilized nanobiocatalysts. <i>Chemical Engineering Science</i> , <b>2015</b> , 135, 21-32   | 4.4  | 34  |
| 99  | 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  |
| 98  | 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  |
| 97  | 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  |
| 96  | A gas-phase amplified quartz crystal microbalance immunosensor based on catalase modified immunoparticles. <i>Analyst</i> , <b>2015</b> , 140, 1174-81  | 5    | 5   |
| 95  | 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  |
| 94  | 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   |     |
| 93  | Alginate-casein microspheres as bioactive vehicles for nutrients. <i>Transactions of Tianjin University</i> , <b>2015</b> , 21, 383-391   | 2.9  | 9   |
| 92  | 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   |
| 91  | Capillary Force-Driven, Hierarchical Co-Assembly of Dandelion-Like Peptide Microstructures. <i>Small</i> , <b>2015</b> , 11, 2893-902   | 11   | 27  |
| 90  | 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  |
| 89  | 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  |
| 88  | 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 |
| 87  | Hydrolysis of cellulose by sulfonated magnetic reduced graphene oxide. <i>Chemical Engineering Journal</i> , <b>2015</b> , 280, 90-98   | 14.7 | 63  |
| 86  | 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  |
| 85  | 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  |

|    |  |     |     |
|----|--|-----|-----|
| 84 | 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  |
| 83 | 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   |
| 82 | 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  |
| 81 | Jet flow directed supramolecular self-assembly at aqueous liquid-liquid interface. <i>RSC Advances</i> , <b>2014</b> , 4, 15340  | 3.7 | 16  |
| 80 | Long-range ordered graphite oxide liquid crystals. <i>Chemical Communications</i> , <b>2014</b> , 50, 7776-9   | 5.8 | 15  |
| 79 | 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  |
| 78 | Scissor-based fluorescent detection of pepsin using lysozyme-stabilized Au nanoclusters. <i>Analytical Methods</i> , <b>2014</b> , 6, 6789-6795  | 3.2 | 10  |
| 77 | 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  |
| 76 | Noncovalent functionalization of graphene by CdS nanohybrids for electrochemical applications. <i>Thin Solid Films</i> , <b>2014</b> , 568, 58-62  | 2.2 | 6   |
| 75 | 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  |
| 74 | 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  |
| 73 | 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  |
| 72 | 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 |
| 71 | 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  |
| 70 | 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  |
| 69 | Enhanced ethanol production from pomelo peel waste by integrated hydrothermal treatment, multienzyme formulation, and fed-batch operation. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 4643-51 | 5.7 | 43  |
| 68 | 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  |
| 67 | 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   |

|    |  |     |    |
|----|--|-----|----|
| 66 | 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 |
| 65 | 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  |
| 64 | 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 |
| 63 | 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 |
| 62 | Preparation of $\alpha$ -mannanase CLEAs using macromolecular cross-linkers. <i>Catalysis Science and Technology</i> , <b>2013</b> , 3, 1937   | 5.5 | 54 |
| 61 | 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 |
| 60 | Enzymatic hydrolysis of lignocellulose: SEC-MALLS analysis and reaction mechanism. <i>RSC Advances</i> , <b>2013</b> , 3, 1871-1877  | 3.7 | 19 |
| 59 | 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  |
| 58 | 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 |
| 57 | 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 |
| 56 | 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 |
| 55 | 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  |
| 54 | High-performance ultrafiltration membranes based on polyethersulfone-graphene oxide composites. <i>RSC Advances</i> , <b>2013</b> , 3, 21394   | 3.7 | 65 |
| 53 | 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 |
| 52 | Advanced Methods and Technology in Biomedicine and Biology. <i>Biotechnology and Biotechnological Equipment</i> , <b>2013</b> , 27, 3909-3910  | 1.6 |    |
| 51 | 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 |
| 50 | 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 |
| 49 | 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 |

|    |  |     |    |
|----|--|-----|----|
| 48 | 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 |
| 47 | Intensive Protein Digestion Using Cross-Linked Trypsin Aggregates in Proteomics Analysis. <i>ChemPlusChem</i> , <b>2013</b> , 78, 407-412  | 2.8 | 6  |
| 46 | 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 |
| 45 | 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  |
| 44 | Kinetically controlled self-assembly of redox-active ferrocene-diphenylalanine: from nanospheres to nanofibers. <i>Nanotechnology</i> , <b>2013</b> , 24, 465603   | 3.4 | 43 |
| 43 | Controlled adsorption of cellulase onto pretreated corncob by pH adjustment. <i>Cellulose</i> , <b>2012</b> , 19, 371-380  | 3.9 | 37 |
| 42 | 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 |
| 41 | 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   |    |
| 40 | 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 |
| 39 | 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 |
| 38 | Describing some characters of serine proteinase using fractal analysis. <i>Chaos, Solitons and Fractals</i> , <b>2012</b> , 45, 1017-1023  | 9.3 | 8  |
| 37 | 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 |
| 36 | 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 |
| 35 | 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 |
| 34 | 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  |
| 33 | 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 |
| 32 | 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  |
| 31 | Hierarchical, interface-induced self-assembly of diphenylalanine: formation of peptide nanofibers and microvesicles. <i>Nanotechnology</i> , <b>2011</b> , 22, 245609  | 3.4 | 55 |



|    |  |     |     |
|----|--|-----|-----|
| 30 | Porous-CLEAs of papain: application to enzymatic hydrolysis of macromolecules. <i>Bioresource Technology</i> , <b>2011</b> , 102, 3541-5   | 11  | 72  |
| 29 | 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  |
| 28 | Bioconversion of Lignocellulose into Bioethanol: Process Intensification and Mechanism Research. <i>Bioenergy Research</i> , <b>2011</b> , 4, 225-245  | 3.1 | 109 |
| 27 | 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  |
| 26 | 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 |
| 25 | 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   |
| 24 | 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   |
| 23 | 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   |
| 22 | 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  |
| 21 | Integrating enzymatic and acid catalysis to convert glucose into 5-hydroxymethylfurfural. <i>Chemical Communications</i> , <b>2010</b> , 46, 1115-7  | 5.8 | 129 |
| 20 | 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  |
| 19 | 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   |
| 18 | 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   |
| 17 | Enhanced enzymatic hydrolysis of lignocellulose by optimizing enzyme complexes. <i>Applied Biochemistry and Biotechnology</i> , <b>2010</b> , 160, 1407-14   | 3.2 | 91  |
| 16 | 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  |
| 15 | Fractionating lignocellulose by formic acid: Characterization of major components. <i>Biomass and Bioenergy</i> , <b>2010</b> , 34, 525-532  | 5.3 | 107 |
| 14 | 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 |
| 13 | 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   |

|    |  |      |    |
|----|--|------|----|
| 12 | 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 |
| 11 | 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 |
| 10 | 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  |
| 9  | Pancreatic hydrolysis of bovine casein: Identification and release kinetics of phosphopeptides. <i>Food Chemistry</i> , <b>2007</b> , 104, 276-286   | 8.5  | 29 |
| 8  | 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 |
| 7  | 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  |
| 6  | 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  |
| 5  | 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 |
| 4  | 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  |
| 3  | Topology-Induced Chiral Amplification and Inversion in Self-Assembling Dipeptide Films. <i>Advanced Materials Interfaces</i> , 2102089   | 4.6  | 0  |
| 2  | Enhanced Polychromatic Luminescence of Bionic Peptidyl Nanoparticles Driven by Hydrogen Bonds. <i>Particle and Particle Systems Characterization</i> , 2100260   | 3.1  | 0  |
| 1  | 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  |