

# Zhiguo Su

## List of Publications by Year in Descending Order

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

271  
papers

6,517  
citations

40  
h-index

68  
g-index

277  
ext. papers

7,381  
ext. citations

5.4  
avg. IF

5.86  
L-index

#	Paper	IF	Citations
271	Characterization of antibiotic resistance across Earth's microbial genomes. <i>Science of the Total Environment</i> , <b>2021</b> , 151613	10.2	0
270	Design, Synthesis and Primary Immunologic Evaluation of M2e-CRM Conjugate as a Universal Influenza Vaccine Candidate. <i>Current Pharmaceutical Biotechnology</i> , <b>2021</b> , 22, 1910-1918	2.6	0
269	Rapid and high-capacity loading of IgG monoclonal antibodies by polymer brush and peptides functionalized microspheres. <i>Journal of Chromatography A</i> , <b>2021</b> , 1640, 461948	4.5	4
268	Possible Action of Transition Divalent Metal Ions at the Inter-Pentameric Interface of Inactivated Foot-and-Mouth Disease Virus Provide A Simple but Effective Approach to Enhance Stability. <i>Journal of Virology</i> , <b>2021</b> ,	6.6	1
267	Apo ferritin nanoparticle based dual-antigen influenza conjugate vaccine with potential cross-protective efficacy against heterosubtypic influenza virus. <i>Particuology</i> , <b>2021</b> , 64, 56-56	2.8	0
266	Cost-effective purification process development for chimeric hepatitis B core (HBc) virus-like particles assisted by molecular dynamic simulation. <i>Engineering in Life Sciences</i> , <b>2021</b> , 21, 438-452	3.4	1
265	Metabolic Flux Analysis of Simultaneous Production of Vitamin B and Propionic Acid in a Coupled Fermentation Process by <i>Propionibacterium freudenreichii</i> . <i>Applied Biochemistry and Biotechnology</i> , <b>2021</b> , 193, 3045-3061	3.2	0
264	Thermophilic rather than mesophilic sludge anaerobic digesters possess lower antibiotic resistant genes abundance. <i>Bioresource Technology</i> , <b>2021</b> , 329, 124924	11	9
263	Coupling the fermentation and membrane separation process for polyamides monomer cadaverine production from feedstock lysine. <i>Engineering in Life Sciences</i> , <b>2021</b> , 21, 623-629	3.4	2
262	Efficient co-production of propionic acid and succinic acid by using membrane separation coupled technology. <i>Engineering in Life Sciences</i> , <b>2021</b> , 21, 429-437	3.4	2
261	In vitro preparation of uniform and nucleic acid free hepatitis B core particles through an optimized disassembly-purification-reassembly process. <i>Protein Expression and Purification</i> , <b>2021</b> , 178, 105747	2	4
260	Antimonene Nanosheets-Based Z-Scheme Heterostructure with Enhanced Reactive Oxygen Species Generation and Photothermal Conversion Efficiency for Photonic Therapy of Cancer. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2001835	10.1	14
259	The potential of ionic liquids in biopharmaceutical engineering. <i>Chinese Journal of Chemical Engineering</i> , <b>2021</b> , 30, 236-243	3.2	2
258	On-line separation and quantification of virus antigens of different serotypes in multivalent vaccines by capillary zone electrophoresis: A case study for quality control of foot-and-mouth disease virus vaccines. <i>Journal of Chromatography A</i> , <b>2021</b> , 1637, 461834	4.5	2
257	Performance of agarose and gigaporous chromatographic media as function of pore-to-adsorbate size ratio over wide span from ovalbumin to virus like particles. <i>Journal of Chromatography A</i> , <b>2021</b> , 1638, 461879	4.5	0
256	Effect of pore structure on protein adsorption mechanism on ion exchange media: A preliminary study using low field nuclear magnetic resonance. <i>Journal of Chromatography A</i> , <b>2021</b> , 1639, 461904	4.5	0
255	Nitrogen-cycling gene pool shrunk by species interactions among denser bacterial and archaeal community stimulated by excess organic matter and total nitrogen in a eutrophic bay. <i>Marine Environmental Research</i> , <b>2021</b> , 169, 105397	3.3	0

254	High hydrostatic pressure refolding of highly hydrophobic protein: A case study of recombinant human interferon $\beta$ from inclusion bodies. <i>Biochemical Engineering Journal</i> , <b>2021</b> , 172, 108055	4.2	2
253	Thermal-triggered packing of lipophilic NIR dye IR780 in hepatitis B core at critical ionic strength and cargo-host ratio for improved stability and enhanced cancer phototherapy. <i>Biomaterials</i> , <b>2021</b> , 276, 121035	15.6	3
252	A Novel Particulate Delivery System Based on Antigen-Zn Coordination Interactions Enhances Stability and Cellular Immune Response of Inactivated Foot and Mouth Disease Virus. <i>Molecular Pharmaceutics</i> , <b>2020</b> , 17, 2952-2963	5.6	4
251	Mechanism of bio-macromolecule denaturation on solid-liquid surface of ion-exchange chromatographic media - A case study for inactivated foot-and-mouth disease virus. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2020</b> , 1142, 122051	3.2	3
250	In-situ and sensitive stability study of emulsion and aluminum adjuvanted inactivated foot-and-mouth disease virus vaccine by differential scanning fluorimetry analysis. <i>Vaccine</i> , <b>2020</b> , 38, 2904-2912	4.1	5
249	Efficient ex-situ biosynthesis of vitamin B12 by <i>Propionibacterium freudenreichii</i> using membrane separation coupling technology. <i>Biochemical Engineering Journal</i> , <b>2020</b> , 161, 107688	4.2	2
248	Biocompatible cationic solid lipid nanoparticles as adjuvants effectively improve humoral and T cell immune response of foot and mouth disease vaccines. <i>Vaccine</i> , <b>2020</b> , 38, 2478-2486	4.1	9
247	Wastewater discharge drives ARGs spread in the coastal area: A case study in Hangzhou Bay, China. <i>Marine Pollution Bulletin</i> , <b>2020</b> , 151, 110856	6.7	19
246	On-line monitoring of the sol-gel transition temperature of thermosensitive chitosan/glycerophosphate hydrogels by low field NMR. <i>Carbohydrate Polymers</i> , <b>2020</b> , 238, 116196	10.3	14
245	Boron-based nanosheets for combined cancer photothermal and photodynamic therapy. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 4609-4619	7.3	17
244	Evaluating the Potential Antibiotic Resistance Status in Environment Based on the Trait of Microbial Community. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 575707	5.7	4
243	Recovery of human serum albumin by dual-mode chromatography from the waste stream of Cohn fraction V supernatant. <i>Journal of Chromatography A</i> , <b>2020</b> , 1630, 461451	4.5	0
242	Positional assembly of multi-enzyme cascade reaction in polyelectrolyte doped microcapsule through electrospray and layer-by-layer assembly. <i>Synthetic and Systems Biotechnology</i> , <b>2020</b> , 5, 206-213	4.2	7
241	An Apoferritin-Hemagglutinin Conjugate Vaccine with Encapsulated Nucleoprotein Antigen Peptide from Influenza Virus Confers Enhanced Cross Protection. <i>Bioconjugate Chemistry</i> , <b>2020</b> , 31, 1948-1959	6.3	7
240	Occurrence and distribution of antibiotic resistance genes in the coastal sediments of effluent-receiving areas of WWTPs, China. <i>Bioresource Technology Reports</i> , <b>2020</b> , 11, 100511	4.1	8
239	A biomimetic VLP influenza vaccine with interior NP/interior M2e antigens constructed through a temperature shift-based encapsulation strategy. <i>Vaccine</i> , <b>2020</b> , 38, 5987-5996	4.1	3
238	Characterization and stabilization in process development and product formulation for super large proteinaceous particles. <i>Engineering in Life Sciences</i> , <b>2020</b> , 20, 451-465	3.4	4
237	Black phosphorus quantum dots encapsulated in anionic waterborne polyurethane nanoparticles for enhancing stability and reactive oxygen species generation for cancer PDT/PTT therapy. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 10650-10661	7.3	7

236	A Tripartite Microbial-Environment Network Indicates How Crucial Microbes Influence the Microbial Community Ecology. <i>Microbial Ecology</i> , <b>2020</b> , 79, 342-356	4.4	5
235	Unique stabilizing mechanism provided by biocompatible choline-based ionic liquids for inhibiting dissociation of inactivated foot-and-mouth disease virus particles.. <i>RSC Advances</i> , <b>2019</b> , 9, 13933-13939	3.7	7
234	Biochemical engineering in China. <i>Reviews in Chemical Engineering</i> , <b>2019</b> , 35, 929-993	5	1
233	Site-specific immobilization of lysozyme upon affinity chromatography resin by forecasting lysine activity and controlling pH and epoxy group density. <i>Journal of Chromatography A</i> , <b>2019</b> , 1592, 192-196	4.5	3
232	Occurrence and distribution of antibiotic resistance genes in the sediments of the East China Sea bays. <i>Journal of Environmental Sciences</i> , <b>2019</b> , 81, 156-167	6.4	28
231	A minimalist peptide ligand for IgG by minimizing the binding domain of protein A. <i>Biochemical Engineering Journal</i> , <b>2019</b> , 151, 107327	4.2	7
230	Hemoglobin-Based Blood Substitutes [Progress and Challenges <b>2019</b> , 709-722		
229	Identifying human-induced influence on microbial community: A comparative study in the effluent-receiving areas in Hangzhou Bay. <i>Frontiers of Environmental Science and Engineering</i> , <b>2019</b> , 13, 1	5.8	6
228	Development of meningococcal polysaccharide conjugate vaccine that can elicit long-lasting and strong cellular immune response with hepatitis B core antigen virus-like particles as a novel carrier protein. <i>Vaccine</i> , <b>2019</b> , 37, 956-964	4.1	7
227	Artificial Photosynthesis: Porphyrin/SiO <sub>2</sub> /Cp*Rh(bpy)Cl Hybrid Nanoparticles Mimicking Chloroplast with Enhanced Electronic Energy Transfer for Biocatalyzed Artificial Photosynthesis (Adv. Funct. Mater. 9/2018). <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1870061	15.6	1
226	Graphene Oxide and Polyelectrolyte Composed One-Way Expressway for Guiding Electron Transfer of Integrated Artificial Photosynthesis. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 3060-3069	8.3	9
225	Extending Half Life of H-Ferritin Nanoparticle by Fusing Albumin Binding Domain for Doxorubicin Encapsulation. <i>Biomacromolecules</i> , <b>2018</b> , 19, 773-781	6.9	26
224	Exploiting the pliability and lateral mobility of Pickering emulsion for enhanced vaccination. <i>Nature Materials</i> , <b>2018</b> , 17, 187-194	27	130
223	Sediment bacterial community structures and their predicted functions implied the impacts from natural processes and anthropogenic activities in coastal area. <i>Marine Pollution Bulletin</i> , <b>2018</b> , 131, 481-495	6.7	46
222	Immune Responses: Bridging Systemic Immunity with Gastrointestinal Immune Responses via Oil-in-Polymer Capsules (Adv. Mater. 31/2018). <i>Advanced Materials</i> , <b>2018</b> , 30, 1870232	24	
221	Uniform polysaccharide composite microspheres with controllable network by microporous membrane emulsification technique. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 4331-4341	4.4	3
220	WS/g-CN composite as an efficient heterojunction photocatalyst for biocatalyzed artificial photosynthesis.. <i>RSC Advances</i> , <b>2018</b> , 8, 20557-20567	3.7	29
219	Bridging Systemic Immunity with Gastrointestinal Immune Responses via Oil-in-Polymer Capsules. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801067	24	14

218	A novel rProtein A chromatographic media for enhancing cleaning-in-place performance. <i>Journal of Immunological Methods</i> , <b>2018</b> , 460, 45-50	2.5	2
217	Porphyrin/SiO <sub>2</sub> /Cp*Rh(bpy)Cl Hybrid Nanoparticles Mimicking Chloroplast with Enhanced Electronic Energy Transfer for Biocatalyzed Artificial Photosynthesis. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1705083	15.6	31
216	Prompt and Robust Humoral Immunity Elicited by a Conjugated Chimeric Malaria Antigen with a Truncated Flagellin. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 761-770	6.3	6
215	Dynamics of Sediment Microbial Functional Capacity and Community Interaction Networks in an Urbanized Coastal Estuary. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 2731	5.7	12
214	Strong hydrophobicity enables efficient purification of Hbc VLPs displaying various antigen epitopes through hydrophobic interaction chromatography. <i>Biochemical Engineering Journal</i> , <b>2018</b> , 140, 157-167	4.2	7
213	Enhanced Solar Energy Harvest and Electron Transfer through Intra- and Intermolecular Dual Channels in Chlorosome-Mimicking Supramolecular Self-Assemblies. <i>ACS Catalysis</i> , <b>2018</b> , 8, 10732-10745 <sup>13.1</sup>	13.1	15
212	A two-step heat treatment of cell disruption supernatant enables efficient removal of host cell proteins before chromatographic purification of Hbc particles. <i>Journal of Chromatography A</i> , <b>2018</b> , 1581-1582, 71-79	4.5	8
211	Sandwiching multiple dehydrogenases and shared cofactor between double polyelectrolytes for enhanced communication of cofactor and enzymes. <i>Biochemical Engineering Journal</i> , <b>2018</b> , 137, 40-49	4.2	9
210	Construction of a stable w/o nano-emulsion as a potential adjuvant for foot and mouth disease virus vaccine. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2017</b> , 45, 897-906	6.1	4
209	Sol-gel transition characterization of thermosensitive hydrogels based on water mobility variation provided by low field NMR. <i>Journal of Polymer Research</i> , <b>2017</b> , 24, 1	2.7	13
208	Application of calcium phosphate flocculation in high-density cell culture fluid with high product titer of monoclonal antibody. <i>Bioprocess and Biosystems Engineering</i> , <b>2017</b> , 40, 703-714	3.7	2
207	Integration of functionalized two-dimensional TaS <sub>2</sub> nanosheets and an electron mediator for more efficient biocatalyzed artificial photosynthesis. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 5511-5522	13	28
206	Enhanced binding by dextran-grafting to Protein A affinity chromatographic media. <i>Journal of Separation Science</i> , <b>2017</b> , 40, 1493-1499	3.4	14
205	Regulation of enzyme activity and stability through positional interaction with polyurethane nanofibers. <i>Biochemical Engineering Journal</i> , <b>2017</b> , 121, 147-155	4.2	12
204	Multi-layer dextran-decorated poly(glycidyl methacrylate)-co-divinyl benzene copolymer matrices enabling efficient protein chromatographic separation. <i>Reactive and Functional Polymers</i> , <b>2017</b> , 112, 45-52	4.6	8
203	Denaturation of inactivated FMDV in ion exchange chromatography: Evidence by differential scanning calorimetry analysis. <i>Biochemical Engineering Journal</i> , <b>2017</b> , 124, 99-107	4.2	10
202	Identification, characterization, and stabilization of the deamidation degradation of recombinant human tumor necrosis factor- $\beta$ . <i>Process Biochemistry</i> , <b>2017</b> , 53, 216-223	4.8	2
201	High hydrostatic pressure encapsulation of doxorubicin in ferritin nanocages with enhanced efficiency. <i>Journal of Biotechnology</i> , <b>2017</b> , 254, 34-42	3.7	18

200	Oxidized catechol-derived poly (ethylene glycol) for thiol-specific conjugation. <i>Reactive and Functional Polymers</i> , <b>2017</b> , 117, 97-105	4.6	4
199	Biomimetically Engineered Demi-Bacteria Potentiate Vaccination against Cancer. <i>Advanced Science</i> , <b>2017</b> , 4, 1700083	13.6	30
198	High hydrostatic pressure enables almost 100% refolding of recombinant human ciliary neurotrophic factor from inclusion bodies at high concentration. <i>Protein Expression and Purification</i> , <b>2017</b> , 133, 152-159	2	10
197	Stabilization study of inactivated foot and mouth disease virus vaccine by size-exclusion HPLC and differential scanning calorimetry. <i>Vaccine</i> , <b>2017</b> , 35, 2413-2419	4.1	15
196	Purification and assembling a fused capsid protein as an enterovirus 71 vaccine candidate from inclusion bodies to pentamer-based nanoparticles. <i>Biochemical Engineering Journal</i> , <b>2017</b> , 117, 139-146	4.2	8
195	Albumin Binding Domain Fusing R/K-X-X-R/K Sequence for Enhancing Tumor Delivery of Doxorubicin. <i>Molecular Pharmaceutics</i> , <b>2017</b> , 14, 3739-3749	5.6	5
194	Novel Bioconjugation Strategy Using Elevated Hydrostatic Pressure: A Case Study for the Site-Specific Attachment of Polyethylene Glycol (PEGylation) of Recombinant Human Ciliary Neurotrophic Factor. <i>Bioconjugate Chemistry</i> , <b>2017</b> , 28, 2841-2848	6.3	7
193	Precise control of agarose media pore structure by regulating cooling rate. <i>Journal of Separation Science</i> , <b>2017</b> , 40, 4467-4474	3.4	3
192	Production of tartaric acid using immobilized recominant cis-epoxysuccinate hydrolase. <i>Biotechnology Letters</i> , <b>2017</b> , 39, 1859-1863	3	4
191	Purification and characterization of a long-acting ciliary neurotrophic factor via genetically fused with an albumin-binding domain. <i>Protein Expression and Purification</i> , <b>2017</b> , 139, 14-20	2	4
190	Development of long-acting ciliary neurotrophic factor by site-specific conjugation with different-sized polyethylene glycols and transferrin. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 529, 275-284	6.5	5
189	Plant Oil-Based Polymers: Candidate Biomaterials <b>2016</b> , 6018-6030		1
188	Multi-shelled metal oxides prepared via an anion-adsorption mechanism for lithium-ion batteries. <i>Nature Energy</i> , <b>2016</b> , 1,	62.3	304
187	A rapid, non-invasive and non-destructive method for studying swelling behavior and microstructure variations of hydrogels. <i>Carbohydrate Polymers</i> , <b>2016</b> , 151, 1251-1260	10.3	37
186	Purification design and practice for pertactin, the third component of acellular pertussis vaccine, from Bordetella pertussis. <i>Vaccine</i> , <b>2016</b> , 34, 4032-9	4.1	8
185	TiO <sub>2</sub> /Horseradish Peroxidase Hybrid Catalyst Based on Hollow Nanofibers for Simultaneous Photochemical/Enzymatic Degradation of 2,4-Dichlorophenol. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 3634-3640	8.3	22
184	UV-curable enzymatic antibacterial waterborne polyurethane coating. <i>Biochemical Engineering Journal</i> , <b>2016</b> , 113, 107-113	4.2	28
183	Efficient fabrication of high-capacity immobilized metal ion affinity chromatographic media: The role of the dextran-grafting process and its manipulation. <i>Journal of Separation Science</i> , <b>2016</b> , 39, 1130-634	6.4	6

182	Microscopic insight into role of protein flexibility during ion exchange chromatography by nuclear magnetic resonance and quartz crystal microbalance approaches. <i>Journal of Chromatography A</i> , <b>2016</b> , 1438, 65-75	4.5	5
181	Improving the refolding efficiency for proinsulin aspart inclusion body with optimized buffer compositions. <i>Protein Expression and Purification</i> , <b>2016</b> , 122, 1-7	2	10
180	Enzymatic waterborne polyurethane towards a robust and environmentally friendly anti-biofouling coating. <i>RSC Advances</i> , <b>2016</b> , 6, 31698-31704	3.7	6
179	Specific Conjugation of the Hinge Region for Homogeneous Preparation of Antibody Fragment-Drug Conjugate: A Case Study for Doxorubicin-PEG-anti-CD20 Fab $\gamma$ Synthesis. <i>Bioconjugate Chemistry</i> , <b>2016</b> , 27, 238-46	6.3	12
178	The Construction of an Aqueous Two-Phase System to Solve Weak-Aggregation of Gigaporous Poly(Styrene-Divinyl Benzene) Microspheres. <i>Polymers</i> , <b>2016</b> , 8,	4.5	7
177	Improved Stability of Emulsions in Preparation of Uniform Small-Sized Konjac Glucomanna (KGM) Microspheres with Epoxy-Based Polymer Membrane by Premix Membrane Emulsification. <i>Polymers</i> , <b>2016</b> , 8,	4.5	5
176	Towards A Deeper Understanding of the Interfacial Adsorption of Enzyme Molecules in Gigaporous Polymeric Microspheres. <i>Polymers</i> , <b>2016</b> , 8,	4.5	1
175	Integration of Artificial Photosynthesis System for Enhanced Electronic Energy-Transfer Efficacy: A Case Study for Solar-Energy Driven Bioconversion of Carbon Dioxide to Methanol. <i>Small</i> , <b>2016</b> , 12, 4753-62	11	50
174	Castor oil-based waterborne polyurethanes with tunable properties and excellent biocompatibility. <i>European Journal of Lipid Science and Technology</i> , <b>2016</b> , 118, 1512-1520	3	30
173	Functional hydrophilic polystyrene beads with uniformly size and high cross-linking degree facilitated rapid separation of exenatide. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2016</b> , 1017-1018, 129-135	3.2	2
172	Direct and controllable preparation of uniform PLGA particles with various shapes and surface morphologies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2016</b> , 500, 177-185	5.1	14
171	Asymmetrical flow field-flow fractionation coupled with multi-angle laser light scattering for stability comparison of virus-like particles in different solution environments. <i>Vaccine</i> , <b>2016</b> , 34, 3164-3170	11	12
170	Hybrid Cross-Linked Lipase Aggregates with Magnetic Nanoparticles: A Robust and Recyclable Biocatalysis for the Epoxidation of Oleic Acid. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 7179-87	5.7	59
169	Microcalorimetric study of adsorption and disassembling of virus-like particles on anion exchange chromatography media. <i>Journal of Chromatography A</i> , <b>2015</b> , 1388, 195-206	4.5	13
168	CO binding improves the structural, functional, physical and anti-oxidation properties of the PEGylated hemoglobin. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2015</b> , 43, 18-25	6.1	3
167	Adsorption of virus-like particles on ion exchange surface: Conformational changes at different pH detected by dual polarization interferometry. <i>Journal of Chromatography A</i> , <b>2015</b> , 1408, 161-8	4.5	11
166	Detailed exploration of structure formation of an epoxy-based monolith with three-dimensional bicontinuous structure. <i>RSC Advances</i> , <b>2015</b> , 5, 55419-55427	3.7	13
165	Selection of downstream steps by analysis of protein surface property: A case study for recombinant human lactoferrin purification from milk of transgenic cow. <i>Process Biochemistry</i> , <b>2015</b> , 50, 1441-1448	4.8	5

164	Novel konjac glucomannan microcarriers for anchorage-dependent animal cell culture. <i>Biochemical Engineering Journal</i> , <b>2015</b> , 96, 46-54	4.2	12
163	Tethering of nicotinamide adenine dinucleotide inside hollow nanofibers for high-yield synthesis of methanol from carbon dioxide catalyzed by coencapsulated multienzymes. <i>ACS Nano</i> , <b>2015</b> , 9, 4600-10	16.7	110
162	Microcosmic mechanism of dication for inhibiting acylation of acidic Peptide. <i>Pharmaceutical Research</i> , <b>2015</b> , 32, 2310-7	4.5	7
161	Exploration of graphene oxide as an intelligent platform for cancer vaccines. <i>Nanoscale</i> , <b>2015</b> , 7, 19949-57	5.7	37
160	Rapid octreotide separation from synthetic peptide crude mixtures by chromatography on poly(styrene-co-divinylbenzene)-based reversed phases. <i>Separation and Purification Technology</i> , <b>2015</b> , 154, 351-358	8.3	6
159	Comparison of covalent and physical immobilization of lipase in gigaporous polymeric microspheres. <i>Bioprocess and Biosystems Engineering</i> , <b>2015</b> , 38, 2107-15	3.7	27
158	Preparation and characterization of epoxidized soybean oil-based paper composite as potential water-resistant materials. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	12
157	Pore size analysis from low field NMR spin-spin relaxation measurements of porous microspheres. <i>Journal of Porous Materials</i> , <b>2015</b> , 22, 11-20	2.4	29
156	Interaction of arginine with protein during refolding process probed by amide H/D exchange mass spectrometry and isothermal titration calorimetry. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2015</b> , 1854, 39-45	4	1
155	A hydrophobic interaction chromatography strategy for purification of inactivated foot-and-mouth disease virus. <i>Protein Expression and Purification</i> , <b>2015</b> , 113, 23-9	2	33
154	Aggregation and antigenicity of virus like particle in salt solution--A case study with hepatitis B surface antigen. <i>Vaccine</i> , <b>2015</b> , 33, 4300-6	4.1	23
153	Preparation of water-in-oil emulsions using a hydrophobic polymer membrane with 3D bicontinuous skeleton structure. <i>Journal of Membrane Science</i> , <b>2015</b> , 490, 113-119	9.6	15
152	Chitosan-based mucosal adjuvants: Sunrise on the ocean. <i>Vaccine</i> , <b>2015</b> , 33, 5997-6010	4.1	59
151	Preparation of PEGA grafted poly(chloromethylstyrene-co-ethylene glycol dimethacrylate) monolith for high-efficiency solid phase peptide synthesis under continuous flow techniques. <i>Polymer</i> , <b>2015</b> , 61, 115-122	3.9	7
150	Structural and functional analysis of the loading acyltransferase from avermectin modular polyketide synthase. <i>ACS Chemical Biology</i> , <b>2015</b> , 10, 1017-25	4.9	32
149	Superior intratumoral penetration of paclitaxel nanodots strengthens tumor restriction and metastasis prevention. <i>Small</i> , <b>2015</b> , 11, 2518-26	11	48
148	Loss of PEG chain in routine SDS-PAGE analysis of PEG-maleimide modified protein. <i>Electrophoresis</i> , <b>2015</b> , 36, 371-4	3.6	7
147	Size-exclusion HPLC provides a simple, rapid, and versatile alternative method for quality control of vaccines by characterizing the assembly of antigens. <i>Vaccine</i> , <b>2015</b> , 33, 1143-50	4.1	40



146	Facile purification of Escherichia coli expressed tag-free recombinant human tumor necrosis factor alpha from supernatant. <i>Protein Expression and Purification</i> , <b>2014</b> , 95, 195-203	2	9
145	Improving stability of virus-like particles by ion-exchange chromatographic supports with large pore size: advantages of gigaporous media beyond enhanced binding capacity. <i>Journal of Chromatography A</i> , <b>2014</b> , 1331, 69-79	4.5	34
144	Membrane combined with hydrophilic macromolecules enhances protein refolding at high concentration. <i>Process Biochemistry</i> , <b>2014</b> , 49, 1129-1134	4.8	6
143	PEGylation of G-CSF in organic solvent markedly increase the efficacy and reactivity through protein unfolding, hydrolysis inhibition and solvent effect. <i>Journal of Biotechnology</i> , <b>2014</b> , 170, 42-9	3.7	7
142	Comparison of site-specific PEGylations of the N-terminus of interferon beta-1b: selectivity, efficiency, and in vivo/vitro activity. <i>Bioconjugate Chemistry</i> , <b>2014</b> , 25, 138-46	6.3	16
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