

Zhiguo Su

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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	Vegetable-oil-based polymers as future polymeric biomaterials. <i>Acta Biomaterialia</i> , 2014 , 10, 1692-704	10.8	358
270	Multi-shelled metal oxides prepared via an anion-adsorption mechanism for lithium-ion batteries. <i>Nature Energy</i> , 2016 , 1,	62.3	304
269	The role of the lateral dimension of graphene oxide in the regulation of cellular responses. <i>Biomaterials</i> , 2012 , 33, 4013-21	15.6	296
268	One dimensional CuInS ₂ /ZnS heterostructured nanomaterials as low-cost and high-performance counter electrodes of dye-sensitized solar cells. <i>Energy and Environmental Science</i> , 2013 , 6, 835	35.4	159
267	Exploiting the pliability and lateral mobility of Pickering emulsion for enhanced vaccination. <i>Nature Materials</i> , 2018 , 17, 187-194	27	130
266	One step recovery of succinic acid from fermentation broths by crystallization. <i>Separation and Purification Technology</i> , 2010 , 72, 294-300	8.3	119
265	Particle size affects the cellular response in macrophages. <i>European Journal of Pharmaceutical Sciences</i> , 2010 , 41, 650-7	5.1	117
264	Urea gradient size-exclusion chromatography enhanced the yield of lysozyme refolding. <i>Journal of Chromatography A</i> , 2001 , 918, 311-8	4.5	112
263	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> , 2015 , 9, 4600-10	16.7	110
262	Study of operational performance and electrical response on mediator-less microbial fuel cells fed with carbon- and protein-rich substrates. <i>Biochemical Engineering Journal</i> , 2009 , 45, 185-191	4.2	102
261	Comparison of high-speed counter-current chromatography and high-performance liquid chromatography on fingerprinting of Chinese traditional medicine. <i>Journal of Chromatography A</i> , 2004 , 1022, 139-44	4.5	94
260	Identification of major active constituents in the fingerprint of <i>Salvia miltiorrhiza</i> Bunge developed by high-speed counter-current chromatography. <i>Journal of Chromatography A</i> , 2004 , 1041, 239-43	4.5	91
259	Fingerprinting of <i>Salvia miltiorrhiza</i> Bunge by non-aqueous capillary electrophoresis compared with high-speed counter-current chromatography. <i>Journal of Chromatography A</i> , 2004 , 1057, 133-40	4.5	79
258	Thermal-sensitive hydrogel as adjuvant-free vaccine delivery system for H5N1 intranasal immunization. <i>Biomaterials</i> , 2012 , 33, 2351-60	15.6	78
257	Dual gradient ion-exchange chromatography improved refolding yield of lysozyme. <i>Journal of Chromatography A</i> , 2002 , 959, 113-20	4.5	78
256	Preparation of uniform-sized exenatide-loaded PLGA microspheres as long-effective release system with high encapsulation efficiency and bio-stability. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 112, 492-8	6	76
255	Microbial fuel cell based biosensor for in situ monitoring of anaerobic digestion process. <i>Bioresource Technology</i> , 2011 , 102, 10221-9	11	75

254	Conformational changes of lysozyme refolding intermediates and implications for aggregation and renaturation. <i>International Journal of Biochemistry and Cell Biology</i> , 2004 , 36, 795-805	5.6	73
253	Soybean oil-based polyurethane networks as candidate biomaterials: Synthesis and biocompatibility. <i>European Journal of Lipid Science and Technology</i> , 2012 , 114, 1165-1174	3	71
252	A novel vegetable oil lactate hybrid monomer for synthesis of high-Tg polyurethanes. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 243-250	2.5	70
251	Protein A immunoaffinity hollow fiber membranes for immunoglobulin G purification: experimental characterization. <i>Biotechnology and Bioengineering</i> , 1995 , 48, 415-27	4.9	68
250	Native PAGE eliminates the problem of PEG-SDS interaction in SDS-PAGE and provides an alternative to HPLC in characterization of protein PEGylation. <i>Electrophoresis</i> , 2007 , 28, 2801-7	3.6	67
249	Enhanced humoral and cell-mediated immune responses generated by cationic polymer-coated PLA microspheres with adsorbed HBsAg. <i>Molecular Pharmaceutics</i> , 2014 , 11, 1772-84	5.6	64
248	Enabling multi-enzyme biocatalysis using coaxial-electrospun hollow nanofibers: redesign of artificial cells. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 181-190	7.3	59
247	Chitosan-based mucosal adjuvants: Sunrise on the ocean. <i>Vaccine</i> , 2015 , 33, 5997-6010	4.1	59
246	Neutralizing antibodies induced by recombinant virus-like particles of enterovirus 71 genotype C4 inhibit infection at pre- and post-attachment steps. <i>PLoS ONE</i> , 2013 , 8, e57601	3.7	59
245	Efficient production of succinic acid from corn stalk hydrolysates by a recombinant Escherichia coli with ptsG mutation. <i>Process Biochemistry</i> , 2011 , 46, 365-371	4.8	59
244	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> , 2016 , 64, 7179-87	5.7	59
243	Synthesis of bio-based polyurethanes from epoxidized soybean oil and isopropanolamine. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 1929-1936	2.9	56
242	Mechanistic studies for monodisperse exenatide-loaded PLGA microspheres prepared by different methods based on SPG membrane emulsification. <i>Acta Biomaterialia</i> , 2014 , 10, 4247-56	10.8	51
241	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> , 2016 , 12, 4753-62	11	50
240	One-step separation and purification of 3,4-dihydroxyphenyllactic acid, salvianolic acid B and protocatechualdehyde from <i>Salvia miltiorrhiza</i> Bunge by high-speed counter-current chromatography. <i>Journal of Chromatography A</i> , 2007 , 1140, 107-11	4.5	49
239	Novel in situ product removal technique for simultaneous production of propionic acid and vitamin B12 by expanded bed adsorption bioreactor. <i>Bioresource Technology</i> , 2012 , 104, 652-9	11	48
238	Superior intratumoral penetration of paclitaxel nanodots strengthens tumor restriction and metastasis prevention. <i>Small</i> , 2015 , 11, 2518-26	11	48
237	Enhanced circulation half-life of site-specific PEGylated rhG-CSF: optimization of PEG molecular weight. <i>Journal of Biotechnology</i> , 2009 , 142, 259-66	3.7	47

236	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> , 2018 , 131, 481-495	6.7	46
235	Separation of Succinic Acid from Fermentation Broth Using Weak Alkaline Anion Exchange Adsorbents. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 3595-3599	3.9	41
234	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> , 2015 , 33, 1143-50	4.1	40
233	Comparative studies on the influences of primary emulsion preparation on properties of uniform-sized exenatide-loaded PLGA microspheres. <i>Pharmaceutical Research</i> , 2014 , 31, 1566-74	4.5	40
232	Novel thermal-sensitive hydrogel enhances both humoral and cell-mediated immune responses by intranasal vaccine delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012 , 81, 486-97	5.7	40
231	Improvement of succinate production by overexpression of a cyanobacterial carbonic anhydrase in <i>Escherichia coli</i> . <i>Enzyme and Microbial Technology</i> , 2009 , 45, 491-497	3.8	40
230	Controlling Factors on Droplets Uniformity in Membrane Emulsification: Experiment and Modeling Analysis. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 6418-6425	3.9	40
229	Cooperative effects of urea and L-arginine on protein refolding. <i>Protein Expression and Purification</i> , 2009 , 66, 82-90	2	38
228	On-column refolding of consensus interferon at high concentration with guanidine-hydrochloride and polyethylene glycol gradients. <i>Journal of Chromatography A</i> , 2006 , 1115, 72-80	4.5	38
227	Exploration of graphene oxide as an intelligent platform for cancer vaccines. <i>Nanoscale</i> , 2015 , 7, 19949-577	5.7	37
226	A rapid, non-invasive and non-destructive method for studying swelling behavior and microstructure variations of hydrogels. <i>Carbohydrate Polymers</i> , 2016 , 151, 1251-1260	10.3	37
225	Integrated bioprocess for high-efficiency production of succinic acid in an expanded-bed adsorption system. <i>Biochemical Engineering Journal</i> , 2011 , 56, 150-157	4.2	37
224	Chemoenzymatic synthesis of oleic acid-based polyesters for use as highly stable biomaterials. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 4243-4248	2.5	37
223	Preparation of uniform poly(glycidyl methacrylate) porous microspheres by membrane emulsification-polymerization technology. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 5018-5027	2.9	37
222	"Ready-to-use" hollow nanofiber membrane-based glucose testing strips. <i>Analyst, The</i> , 2014 , 139, 6467-73	7.3	35
221	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> , 2014 , 1331, 69-79	4.5	34
220	A novel sustained-release formulation of recombinant human growth hormone and its pharmacokinetic, pharmacodynamic and safety profiles. <i>Molecular Pharmaceutics</i> , 2012 , 9, 2039-48	5.6	34
219	Kinetic evaluation of products inhibition to succinic acid producers <i>Escherichia coli</i> NZN111, AFP111, BL21, and <i>Actinobacillus succinogenes</i> 130Z T. <i>Journal of Microbiology</i> , 2010 , 48, 290-6	3	34

218	A hydrophobic interaction chromatography strategy for purification of inactivated foot-and-mouth disease virus. <i>Protein Expression and Purification</i> , 2015 , 113, 23-9	2	33
217	Different effects of L-arginine on protein refolding: suppressing aggregates of hydrophobic interaction, not covalent binding. <i>Biotechnology Progress</i> , 2008 , 24, 1365-72	2.8	33
216	Structural and functional analysis of the loading acyltransferase from avermectin modular polyketide synthase. <i>ACS Chemical Biology</i> , 2015 , 10, 1017-25	4.9	32
215	Kinetic and stoichiometric analysis of the modification process for N-terminal PEGylation of staphylokinase. <i>Analytical Biochemistry</i> , 2011 , 412, 114-6	3.1	32
214	A solid phase adsorption method for preparation of bovine serum albumin-bovine hemoglobin conjugate. <i>Journal of Biotechnology</i> , 2003 , 100, 267-75	3.7	32
213	Polyelectrolyte Doped Hollow Nanofibers for Positional Assembly of Bienzyme System for Cascade Reaction at O/W Interface. <i>ACS Catalysis</i> , 2014 , 4, 4548-4559	13.1	31
212	The orchestration of cellular and humoral responses is facilitated by divergent intracellular antigen trafficking in nanoparticle-based therapeutic vaccine. <i>Pharmacological Research</i> , 2012 , 65, 189-97	10.2	31
211	Ion-exchange chromatography of hepatitis B virus surface antigen from a recombinant Chinese hamster ovary cell line. <i>Journal of Chromatography A</i> , 2005 , 1095, 119-25	4.5	31
210	Porphyrin/SiO ₂ /Cp*Rh(bpy)Cl Hybrid Nanoparticles Mimicking Chloroplast with Enhanced Electronic Energy Transfer for Biocatalyzed Artificial Photosynthesis. <i>Advanced Functional Materials</i> , 2018 , 28, 1705083	15.6	31
209	Biomimetically Engineered Demi-Bacteria Potentiate Vaccination against Cancer. <i>Advanced Science</i> , 2017 , 4, 1700083	13.6	30
208	Molecular characterization of recombinant Hepatitis B surface antigen from Chinese hamster ovary and Hansenula polymorpha cells by high-performance size exclusion chromatography and multi-angle laser light scattering. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006 , 838, 71-7	3.2	30
207	Castor oil-based waterborne polyurethanes with tunable properties and excellent biocompatibility. <i>European Journal of Lipid Science and Technology</i> , 2016 , 118, 1512-1520	3	30
206	Pore size analysis from low field NMR spin-spin relaxation measurements of porous microspheres. <i>Journal of Porous Materials</i> , 2015 , 22, 11-20	2.4	29
205	WS/g-CN composite as an efficient heterojunction photocatalyst for biocatalyzed artificial photosynthesis.. <i>RSC Advances</i> , 2018 , 8, 20557-20567	3.7	29
204	Molecular structure matters: PEG-b-PLA nanoparticles with hydrophilicity and deformability demonstrate their advantages for high-performance delivery of anti-cancer drugs. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 3239-3247	7.3	29
203	High cell density fermentation via a metabolically engineered Escherichia coli for the enhanced production of succinic acid. <i>Journal of Chemical Technology and Biotechnology</i> , 2011 , 86, 512-518	3.5	29
202	Investigation on PEGylation strategy of recombinant human interleukin-1 receptor antagonist. <i>Bioorganic and Medicinal Chemistry</i> , 2007 , 15, 5396-405	3.4	29
201	Integration of functionalized two-dimensional TaS ₂ nanosheets and an electron mediator for more efficient biocatalyzed artificial photosynthesis. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 5511-5522	13	28

200	Occurrence and distribution of antibiotic resistance genes in the sediments of the East China Sea bays. <i>Journal of Environmental Sciences</i> , 2019 , 81, 156-167	6.4	28
199	UV-curable enzymatic antibacterial waterborne polyurethane coating. <i>Biochemical Engineering Journal</i> , 2016 , 113, 107-113	4.2	28
198	Soybean Oil-Based Polyurethane Networks: Shape-Memory Effects and Surface Morphologies. <i>JAACS, Journal of the American Oil Chemists Society</i> , 2013 , 90, 1415-1421	1.8	28
197	Fingerprinting of <i>Salvia miltiorrhiza</i> Bunge by Thin-Layer Chromatography Scan Compared with High Speed Countercurrent Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2006 , 29, 1503-1514	1.3	28
196	Improving recovery of recombinant hepatitis B virus surface antigen by ion-exchange chromatographic supports with low ligand density. <i>Process Biochemistry</i> , 2006 , 41, 2320-2326	4.8	28
195	Comparison of covalent and physical immobilization of lipase in gigaporous polymeric microspheres. <i>Bioprocess and Biosystems Engineering</i> , 2015 , 38, 2107-15	3.7	27
194	Phenyl linker-induced dense PEG conformation improves the efficacy of C-terminally monoPEGylated staphylokinase. <i>Biomacromolecules</i> , 2013 , 14, 331-41	6.9	27
193	Soybean oil-based shape-memory polyurethanes: Synthesis and characterization. <i>European Journal of Lipid Science and Technology</i> , 2012 , 114, 1345-1351	3	27
192	Extending Half Life of H-Ferritin Nanoparticle by Fusing Albumin Binding Domain for Doxorubicin Encapsulation. <i>Biomacromolecules</i> , 2018 , 19, 773-781	6.9	26
191	PEG as a spacer arm markedly increases the immunogenicity of meningococcal group Y polysaccharide conjugate vaccine. <i>Journal of Controlled Release</i> , 2013 , 172, 382-389	11.7	26
190	High-level succinic acid production and yield by lactose-induced expression of phosphoenolpyruvate carboxylase in ptsG mutant <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2010 , 87, 2025-35	5.7	26
189	Hydrophilic modification gigaporous resins with poly(ethylenimine) for high-throughput proteins ion-exchange chromatography. <i>Journal of Chromatography A</i> , 2014 , 1343, 109-18	4.5	25
188	A solid-phase adsorption method for PEGylation of human serum albumin and staphylokinase: preparation, purification and biochemical characterization. <i>Biotechnology Letters</i> , 2009 , 31, 1191-6	3	25
187	A highly efficient integrated chromatographic procedure for the purification of recombinant hepatitis B surface antigen from <i>Hansenula polymorpha</i> . <i>Protein Expression and Purification</i> , 2007 , 56, 301-10	2	25
186	Polyethylene glycol increases purification and recovery, alters retention behavior in flow-through chromatography of hemoglobin. <i>Journal of Chromatography A</i> , 2004 , 1059, 233-7	4.5	25
185	Magnetic field intensified bi-enzyme system with in situ cofactor regeneration supported by magnetic nanoparticles. <i>Journal of Biotechnology</i> , 2013 , 168, 212-7	3.7	24
184	Regulation of protein multipoint adsorption on ion-exchange adsorbent and its application to the purification of macromolecules. <i>Protein Expression and Purification</i> , 2010 , 74, 257-63	2	24
183	Ethylene glycol diglycidyl ether as a protein cross-linker: a case study for cross-linking of hemoglobin. <i>Journal of Chemical Technology and Biotechnology</i> , 2006 , 81, 767-775	3.5	24

182	Aggregation and antigenicity of virus like particle in salt solution--A case study with hepatitis B surface antigen. <i>Vaccine</i> , 2015 , 33, 4300-6	4.1	23
181	Characterization of the large size aggregation of Hepatitis B virus surface antigen (HBsAg) formed in ultrafiltration process. <i>Process Biochemistry</i> , 2007 , 42, 315-319	4.8	23
180	Characterization of polyethylene glycol-modified proteins by semi-aqueous capillary electrophoresis. <i>Journal of Chromatography A</i> , 2001 , 905, 299-307	4.5	23
179	TiO ₂ /Horseradish Peroxidase Hybrid Catalyst Based on Hollow Nanofibers for Simultaneous Photochemical/Enzymatic Degradation of 2,4-Dichlorophenol. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 3634-3640	8.3	22
178	Wastewater discharge drives ARGs spread in the coastal area: A case study in Hangzhou Bay, China. <i>Marine Pollution Bulletin</i> , 2020 , 151, 110856	6.7	19
177	Inhibition of aggregation by media selection, sample loading and elution in size exclusion chromatographic refolding of denatured bovine carbonic anhydrase B. <i>Journal of Proteomics</i> , 2003 , 56, 165-75		19
176	High hydrostatic pressure encapsulation of doxorubicin in ferritin nanocages with enhanced efficiency. <i>Journal of Biotechnology</i> , 2017 , 254, 34-42	3.7	18
175	Preparation, characterization and in vitro bioactivity of N-terminally PEGylated staphylokinase dimers. <i>Process Biochemistry</i> , 2012 , 47, 41-46	4.8	18
174	Efficient decolorization and deproteinization using uniform polymer microspheres in the succinic acid biorefinery from bio-waste cotton (<i>Gossypium hirsutum</i> L.) stalks. <i>Bioresource Technology</i> , 2013 , 135, 604-9	11	18
173	Boron-based nanosheets for combined cancer photothermal and photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 4609-4619	7.3	17
172	A highly efficient hydrophobic interaction chromatographic absorbent improved the purification of hepatitis B surface antigen (HBsAg) derived from <i>Hansenula polymorpha</i> cell. <i>Process Biochemistry</i> , 2007 , 42, 751-756	4.8	17
171	Separation and Purification of Z Ligustilide and Senkyunolide A From <i>Ligusticum chuanxiong</i> Hort. with Supercritical Fluid Extraction and High-Speed Counter-Current Chromatography. <i>Separation Science and Technology</i> , 2006 , 41, 3397-3408	2.5	17
170	Reproducible preparation and effective separation of PEGylated recombinant human granulocyte colony-stimulating factor with novel "PEG-pellet" PEGylation mode and ion-exchange chromatography. <i>Journal of Biotechnology</i> , 2005 , 118, 67-74	3.7	17
169	Purification of hemoglobin by ion exchange chromatography in flow-through mode with PEG as an escort. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2004 , 32, 209-27		17
168	Comparison of site-specific PEGylations of the N-terminus of interferon beta-1b: selectivity, efficiency, and in vivo/vitro activity. <i>Bioconjugate Chemistry</i> , 2014 , 25, 138-46	6.3	16
167	Propylbenz methylation at Val-1 (H) markedly increases the tetramer stability of the PEGylated hemoglobin: a comparison with propylation at Val-1 (H). <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012 , 1820, 2044-51	4	16
166	Separation and purification of hydrolyzable tannin from <i>Geranium wilfordii</i> Maxim by reversed-phase and normal-phase high-speed counter-current chromatography. <i>Journal of Separation Science</i> , 2010 , 33, 2266-71	3.4	16
165	Stabilization study of inactivated foot and mouth disease virus vaccine by size-exclusion HPLC and differential scanning calorimetry. <i>Vaccine</i> , 2017 , 35, 2413-2419	4.1	15

164	Preparation of water-in-oil emulsions using a hydrophobic polymer membrane with 3D bicontinuous skeleton structure. <i>Journal of Membrane Science</i> , 2015 , 490, 113-119	9.6	15
163	Enhanced Solar Energy Harvest and Electron Transfer through Intra- and Intermolecular Dual Channels in Chlorosome-Mimicking Supramolecular Self-Assemblies. <i>ACS Catalysis</i> , 2018 , 8, 10732-10745 ^{13.1}		15
162	Enhanced binding by dextran-grafting to Protein A affinity chromatographic media. <i>Journal of Separation Science</i> , 2017 , 40, 1493-1499	3.4	14
161	On-line monitoring of the sol-gel transition temperature of thermosensitive chitosan/β-glycerophosphate hydrogels by low field NMR. <i>Carbohydrate Polymers</i> , 2020 , 238, 116196	10.3	14
160	Bridging Systemic Immunity with Gastrointestinal Immune Responses via Oil-in-Polymer Capsules. <i>Advanced Materials</i> , 2018 , 30, e1801067	24	14
159	Double emulsion-templated microspheres with flow-through pores at micrometer scale. <i>Colloid and Polymer Science</i> , 2013 , 291, 117-126	2.4	14
158	Functional gigaporous polystyrene microspheres facilitating separation of poly(ethylene glycol)-protein conjugate. <i>Analytica Chimica Acta</i> , 2012 , 712, 152-61	6.6	14
157	Direct and controllable preparation of uniform PLGA particles with various shapes and surface morphologies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 500, 177-185	5.1	14
156	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> , 2021 , 10, e2001835	10.1	14
155	Sol-gel transition characterization of thermosensitive hydrogels based on water mobility variation provided by low field NMR. <i>Journal of Polymer Research</i> , 2017 , 24, 1	2.7	13
154	Microcalorimetric study of adsorption and disassembling of virus-like particles on anion exchange chromatography media. <i>Journal of Chromatography A</i> , 2015 , 1388, 195-206	4.5	13
153	Detailed exploration of structure formation of an epoxy-based monolith with three-dimensional bicontinuous structure. <i>RSC Advances</i> , 2015 , 5, 55419-55427	3.7	13
152	Purification and characterization of a cis-epoxysuccinic acid hydrolase from <i>Nocardia tartaricans</i> CAS-52, and expression in <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 2433-41	5.7	13
151	Covalently coating dextran on macroporous polyglycidyl methacrylate microsphere enabled rapid protein chromatographic separation. <i>Materials Science and Engineering C</i> , 2012 , 32, 2628-2633	8.3	13
150	Efficient separation of homologous alpha-lactalbumin from transgenic bovine milk using optimized hydrophobic interaction chromatography. <i>Journal of Chromatography A</i> , 2010 , 1217, 3668-73	4.5	13
149	Preparation of well-defined bovine polyhemoglobin based on dimethyl adipimidate and glutaraldehyde cross-linkage. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 293, 958-61	3.4	13
148	Regulation of enzyme activity and stability through positional interaction with polyurethane nanofibers. <i>Biochemical Engineering Journal</i> , 2017 , 121, 147-155	4.2	12
147	Novel konjac glucomannan microcarriers for anchorage-dependent animal cell culture. <i>Biochemical Engineering Journal</i> , 2015 , 96, 46-54	4.2	12

146	Preparation and characterization of epoxidized soybean oil-based paper composite as potential water-resistant materials. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	12
145	Specific Conjugation of the Hinge Region for Homogeneous Preparation of Antibody Fragment-Drug Conjugate: A Case Study for Doxorubicin-PEG-anti-CD20 Fab γ Synthesis. <i>Bioconjugate Chemistry</i> , 2016 , 27, 238-46	6.3	12
144	An oriented adsorption strategy for efficient solid phase PEGylation of recombinant staphylokinase by immobilized metal-ion affinity chromatography. <i>Process Biochemistry</i> , 2012 , 47, 106-112	4.8	12
143	Solid phase pegylation of hemoglobin. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2009 , 37, 147-55		12
142	Preparation and characterization of large porous poly(HEMA-co-EDMA) microspheres with narrow size distribution by modified membrane emulsification method. <i>Journal of Applied Polymer Science</i> , 2007 , 105, 1632-1641	2.9	12
141	Refolding of a recombinant full-length non-structural (NS3) protein from hepatitis C virus by chromatographic procedures. <i>Biotechnology Letters</i> , 2003 , 25, 1729-34	3	12
140	Preparation and characterization of dimeric bovine hemoglobin tetramers. <i>The Protein Journal</i> , 2003 , 22, 411-6		12
139	A Facile Two-Column Chromatographic Process for Efficient Purification of Paclitaxel from Crude Extract. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2005 , 28, 605-617	1.3	12
138	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> , 2016 , 34, 3164-3170	4.1	12
137	Dynamics of Sediment Microbial Functional Capacity and Community Interaction Networks in an Urbanized Coastal Estuary. <i>Frontiers in Microbiology</i> , 2018 , 9, 2731	5.7	12
136	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> , 2015 , 1408, 161-8	4.5	11
135	Konjac glucomannan microspheres for low-cost desalting of protein solution. <i>Carbohydrate Polymers</i> , 2014 , 111, 56-62	10.3	11
134	Comparison of fully-porous beads and cored beads in size exclusion chromatography for protein purification. <i>Chemical Engineering Science</i> , 2013 , 102, 99-105	4.4	11
133	Polycation-decorated PLA microspheres induce robust immune responses via commonly used parenteral administration routes. <i>International Immunopharmacology</i> , 2014 , 23, 592-602	5.8	11
132	Preparation, structural analysis and bioactivity of ribonuclease A-albumin conjugate: tetra-conjugation or PEG as the linker. <i>Journal of Biotechnology</i> , 2012 , 162, 283-8	3.7	11
131	Mono-PEGylation of ribonuclease A: High PEGylation efficiency by thiolation with small molecular weight reagent. <i>Process Biochemistry</i> , 2012 , 47, 1364-1370	4.8	11
130	One-step separation and purification of hydrolysable tannins from <i>Geranium wilfordii</i> Maxim by adsorption chromatography on cross-linked 12% agarose gel. <i>Journal of Separation Science</i> , 2011 , 34, 995-8	3.4	11
129	Denaturation of inactivated FMDV in ion exchange chromatography: Evidence by differential scanning calorimetry analysis. <i>Biochemical Engineering Journal</i> , 2017 , 124, 99-107	4.2	10

128	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> , 2017 , 133, 152-159	2	10
127	Improving the refolding efficiency for proinsulin aspart inclusion body with optimized buffer compositions. <i>Protein Expression and Purification</i> , 2016 , 122, 1-7	2	10
126	Reversible protection of Cys-93 by PEG alters the structural and functional properties of the PEGylated hemoglobin. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014 , 1844, 1201-7	4	10
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