

# Shan-Jing Yao

## List of Publications by Citations

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159  
papers

2,495  
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26  
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172  
ext. papers

2,857  
ext. citations

4.2  
avg, IF

5.36  
L-index

#	Paper	IF	Citations
159	Design of chitosan and its water soluble derivatives-based drug carriers with polyelectrolyte complexes. <i>Marine Drugs</i> , <b>2014</b> , 12, 6236-53	6	78
158	Microparticle formation of sodium cellulose sulfate using supercritical fluid assisted atomization introduced by hydrodynamic cavitation mixer. <i>Chemical Engineering Journal</i> , <b>2010</b> , 159, 220-229	14.7	60
157	Preparation of ibuprofen-loaded chitosan films for oral mucosal drug delivery using supercritical solution impregnation. <i>International Journal of Pharmaceutics</i> , <b>2014</b> , 473, 434-41	6.5	58
156	Mechanistic analysis on the effects of salt concentration and pH on protein adsorption onto a mixed-mode adsorbent with cation ligand. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2007</b> , 859, 16-23	3.2	56
155	Protein adsorption kinetics of mixed-mode adsorbent with benzylamine as functional ligand. <i>Chemical Engineering Science</i> , <b>2006</b> , 61, 7260-7268	4.4	54
154	Purification and Characterization of Glutamate Decarboxylase of <i>Lactobacillus brevis</i> CGMCC 1306 Isolated from Fresh Milk. <i>Chinese Journal of Chemical Engineering</i> , <b>2007</b> , 15, 157-161	3.2	49
153	Preparation and Evaluation of Cellulose Adsorbents for Hydrophobic Charge Induction Chromatography. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2008</b> , 47, 9566-9572	3.9	48
152	Review on biomedical and bioengineering applications of cellulose sulfate. <i>Carbohydrate Polymers</i> , <b>2015</b> , 132, 311-22	10.3	45
151	Enhancing IgG purification from serum albumin containing feedstock with hydrophobic charge-induction chromatography. <i>Journal of Chromatography A</i> , <b>2012</b> , 1244, 116-22	4.5	43
150	Evaluating antibody monomer separation from associated aggregates using mixed-mode chromatography. <i>Journal of Chromatography A</i> , <b>2013</b> , 1294, 70-5	4.5	42
149	Supercritical fluid assisted atomization introduced by hydrodynamic cavitation mixer (SAA-HCM) for micronization of levofloxacin hydrochloride. <i>Journal of Supercritical Fluids</i> , <b>2008</b> , 43, 524-534	4.2	42
148	Evaluation of immunoglobulin adsorption on the hydrophobic charge-induction resins with different ligand densities and pore sizes. <i>Journal of Chromatography A</i> , <b>2013</b> , 1278, 61-8	4.5	40
147	A Novel, Potential Microflora-Activated Carrier for a Colon-Specific Drug Delivery System and Its Characteristics. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 5276-5284	3.9	40
146	11-Hydroxylation of 16 $\beta$ -7-epoxyprogesterone by <i>Rhizopus nigricans</i> in a biphasic ionic liquid aqueous system. <i>Bioresource Technology</i> , <b>2011</b> , 102, 9368-73	11	38
145	Review on biomimetic affinity chromatography with short peptide ligands and its application to protein purification. <i>Journal of Chromatography A</i> , <b>2018</b> , 1571, 1-15	4.5	36
144	Preparation and Characterization of Cellulose-Stainless Steel Powder Composite Particles Customized for Expanded Bed Application. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2005</b> , 44, 8218-8224	3.9	32
143	Preparation and characterization of titanium oxide-densified cellulose beads for expanded bed adsorption. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 90, 2848-2854	2.9	32

142	Supercritical Fluid Extraction and Micronization of Ginkgo Flavonoids from Ginkgo Biloba Leaves. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 5461-5466	3.9	31
141	Pore formation of poly( $\epsilon$ -caprolactone) scaffolds with melting point reduction in supercritical CO <sub>2</sub> foaming. <i>Journal of Supercritical Fluids</i> , <b>2016</b> , 117, 279-288	4.2	30
140	Preparation and adsorption behavior of a cellulose-based, mixed-mode adsorbent with a benzylamine ligand for expanded bed applications. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 107, 674-682	3.9	29
139	Diffusion Coefficients in Intrahollow Calcium Alginate Microcapsules. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2004</b> , 49, 475-478	2.8	29
138	Modeling the protein partitioning in aqueous polymer two-phase systems: influence of polymer concentration and molecular weight. <i>Chemical Engineering Science</i> , <b>2003</b> , 58, 2963-2972	4.4	29
137	Efficient decolorization of dye-containing wastewater using mycelial pellets formed of marine-derived <i>Aspergillus niger</i> . <i>Chinese Journal of Chemical Engineering</i> , <b>2017</b> , 25, 330-337	3.2	28
136	Exploring the contributions of two glutamate decarboxylase isozymes in <i>Lactobacillus brevis</i> to acid resistance and $\gamma$ -aminobutyric acid production. <i>Microbial Cell Factories</i> , <b>2018</b> , 17, 180	6.4	28
135	Preparation and evaluation of dextran-grafted agarose resin for hydrophobic charge-induction chromatography. <i>Journal of Chromatography A</i> , <b>2014</b> , 1369, 116-24	4.5	27
134	Preparation of chitosan microparticles with diverse molecular weights using supercritical fluid assisted atomization introduced by hydrodynamic cavitation mixer. <i>Powder Technology</i> , <b>2014</b> , 254, 416-424	5.2	27
133	Characterization of immunoglobulin adsorption on dextran-grafted hydrophobic charge-induction resins: Cross-effects of ligand density and pH/salt concentration. <i>Journal of Chromatography A</i> , <b>2015</b> , 1396, 45-53	4.5	26
132	Enhancing the activity and thermostability of thermostable $\beta$ -glucosidase from a marine <i>Aspergillus niger</i> at high salinity. <i>Process Biochemistry</i> , <b>2012</b> , 47, 606-611	4.8	26
131	Effect and mechanism of sodium chloride on the formation of chitosan $\beta$ -D-glucosyl cellulose sulfate $\beta$ -D-glucosyl cellulose sulfate tripolyphosphate crosslinked beads. <i>Soft Matter</i> , <b>2013</b> , 9, 10354	3.6	26
130	Optimization of a natural medium for cellulase by a marine <i>Aspergillus niger</i> using response surface methodology. <i>Applied Biochemistry and Biotechnology</i> , <b>2012</b> , 167, 1963-72	3.2	25
129	Separation of lactoperoxidase from bovine whey milk by cation exchange composite cryogel embedded macroporous cellulose beads. <i>Separation and Purification Technology</i> , <b>2015</b> , 147, 132-138	8.3	24
128	Spherical cellulose $\beta$ -D-glucosyl cellulose powder composite matrix customized for expanded bed application. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 104, 740-747	2.9	24
127	A novel polymer-grafted hydrophobic charge-induction chromatographic resin for enhancing protein adsorption capacity. <i>Chemical Engineering Journal</i> , <b>2016</b> , 304, 251-258	14.7	24
126	A mixed-mode resin with tryptamine ligand for human serum albumin separation. <i>Journal of Chromatography A</i> , <b>2016</b> , 1431, 145-153	4.5	23
125	Expression of a bifunctional cellulase with exoglucanase and endoglucanase activities to enhance the hydrolysis ability of cellulase from a marine <i>Aspergillus niger</i> . <i>Process Biochemistry</i> , <b>2017</b> , 52, 115-122	4.8	23

124	Poly(hydroxyethyl methacrylate)-based composite cryogel with embedded macroporous cellulose beads for the separation of human serum immunoglobulin and albumin. <i>Journal of Separation Science</i> , <b>2013</b> , 36, 3813-20	3.4	23
123	Chromatographic separation of cytidine triphosphate from fermentation broth of yeast using anion-exchange cryogel. <i>Journal of Separation Science</i> , <b>2008</b> , 31, 689-95	3.4	23
122	Formulation of insulin-loaded N-trimethyl chitosan microparticles with improved efficacy for inhalation by supercritical fluid assisted atomization. <i>International Journal of Pharmaceutics</i> , <b>2016</b> , 505, 223-33	6.5	23
121	Multimodal charge-induction chromatography for antibody purification. <i>Journal of Chromatography A</i> , <b>2016</b> , 1429, 258-64	4.5	22
120	Morphological study on the pore growth profile of poly( $\epsilon$ -caprolactone) bi-modal porous foams using a modified supercritical CO <sub>2</sub> foaming process. <i>Journal of Supercritical Fluids</i> , <b>2019</b> , 143, 72-81	4.2	22
119	Hydrophobic charge-induction resin with 5-aminobenzimidazol as the functional ligand: preparation, protein adsorption and immunoglobulin G purification. <i>Journal of Separation Science</i> , <b>2015</b> , 38, 2387-93	3.4	22
118	One-Step Purification of Lactoferrin from Crude Sweet Whey Using Cation-Exchange Expanded Bed Adsorption. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 2693-2699	3.9	22
117	Inactivation of Microorganisms in Carbon Dioxide at Elevated Pressure and Ambient Temperature. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2007</b> , 46, 6345-6352	3.9	22
116	Evaluation of mixed-mode chromatographic resins for separating IgG from serum albumin containing feedstock. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2013</b> , 936, 33-41	3.2	21
115	Separation of nattokinase from <i>Bacillus subtilis</i> fermentation broth by expanded bed adsorption with mixed-mode adsorbent. <i>Biotechnology and Bioprocess Engineering</i> , <b>2005</b> , 10, 128-135	3.1	21
114	Physiology-Oriented Engineering Strategy to Improve Gamma-Aminobutyrate Production in <i>Lactobacillus brevis</i> . <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 858-866	5.7	20
113	An integrated expanded bed adsorption process for lactoferrin and immunoglobulin G purification from crude sweet whey. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2014</b> , 947-948, 201-7	3.2	20
112	Influences of Ligand Structure and pH on the Adsorption with Hydrophobic Charge Induction Adsorbents: A Case Study of Antibody IgY. <i>Separation Science and Technology</i> , <b>2011</b> , 46, 1957-1965	2.5	20
111	Improving the Stereoselectivity of Asymmetric Reduction of 3-Oxo Ester to 3-Hydroxy Ester with Pretreatments on Bakers' Yeast. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2004</b> , 43, 4871-4875	3.9	20
110	Preparation of pH-responsive DOX-loaded chitosan nanoparticles using supercritical assisted atomization with an enhanced mixer. <i>International Journal of Pharmaceutics</i> , <b>2019</b> , 558, 82-90	6.5	19
109	Molecular insights into the binding selectivity of a synthetic ligand DAAG to Fc fragment of IgG. <i>Journal of Molecular Recognition</i> , <b>2014</b> , 27, 250-9	2.6	19
108	Salt-Promoted Adsorption of an Antibody onto Hydrophobic Charge-Induction Adsorbents. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 5751-5758	2.8	19
107	Diffusion Characteristics of Solutes with Low Molecular Weight in Sodium Alginate/Cellulose Sulfate/NaCl <sub>2</sub> /Poly(methylene-co-guanidine) Capsules. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2003</b> , 48, 864-868	2.8	19

106	Microbial side-chain cleavage of phytosterols by mycobacteria in vegetable oil/aqueous two-phase system. <i>Applied Biochemistry and Biotechnology</i> , <b>2014</b> , 174, 522-33	3.2	18
105	Refolding and purification of recombinant human interferon- $\beta$ expressed as inclusion bodies in <i>Escherichia coli</i> using size exclusion chromatography. <i>Biotechnology and Bioprocess Engineering</i> , <b>2005</b> , 10, 122-127	3.1	18
104	Contribution of the activated catalase to oxidative stress resistance and $\beta$ -aminobutyric acid production in <i>Lactobacillus brevis</i> . <i>International Journal of Food Microbiology</i> , <b>2016</b> , 238, 302-310	5.8	18
103	5-Aminobenzimidazole as new hydrophobic charge-induction ligand for expanded bed adsorption of bovine IgG. <i>Journal of Chromatography A</i> , <b>2015</b> , 1425, 97-105	4.5	17
102	Supercritical fluid assisted production of micrometric powders of the labile trypsin and chitosan/trypsin composite microparticles. <i>International Journal of Pharmaceutics</i> , <b>2015</b> , 489, 226-36	6.5	16
101	Fabrication of bimodal porous PLGA scaffolds by supercritical CO <sub>2</sub> foaming/particle leaching technique. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133,	2.9	16
100	A novel two-species whole-cell immobilization system composed of marine-derived fungi and its application in wastewater treatment. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2014</b> , 89, 1733-1740	3.5	16
99	Solubility of Dexamethasone in Supercritical Carbon Dioxide with and without a Cosolvent. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2014</b> , 59, 3359-3364	2.8	16
98	Effect of <i>poxB</i> gene knockout on metabolism in <i>Escherichia coli</i> based on growth characteristics and enzyme activities. <i>World Journal of Microbiology and Biotechnology</i> , <b>2007</b> , 23, 573-580	4.4	16
97	New tetrapeptide ligands designed for antibody purification with biomimetic chromatography: Molecular simulation and experimental validation. <i>Biochemical Engineering Journal</i> , <b>2016</b> , 114, 191-201	4.2	16
96	Bioactive insulin microparticles produced by supercritical fluid assisted atomization with an enhanced mixer. <i>International Journal of Pharmaceutics</i> , <b>2013</b> , 454, 174-82	6.5	15
95	Evaluation of poly(ethylene glycol)/hydroxypropyl starch aqueous two-phase system for immunoglobulin G extraction. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2013</b> , 928, 106-12	3.2	15
94	Preparation of micrometric powders of parathyroid hormone (PTH1-34)-loaded chitosan oligosaccharide by supercritical fluid assisted atomization. <i>International Journal of Pharmaceutics</i> , <b>2018</b> , 545, 389-394	6.5	14
93	A microcalorimetric study of molecular interactions between immunoglobulin G and hydrophobic charge-induction ligand. <i>Journal of Chromatography A</i> , <b>2016</b> , 1443, 145-51	4.5	14
92	Novel double-walled microspheres based on chitosan, sodium cellulose sulfate and sodium tripolyphosphate: Preparation, characterization and in vitro release study. <i>Korean Journal of Chemical Engineering</i> , <b>2015</b> , 32, 369-372	2.8	13
91	Model-based process development of continuous chromatography for antibody capture: A case study with twin-column system. <i>Journal of Chromatography A</i> , <b>2020</b> , 1619, 460936	4.5	13
90	Performances of NaCS/WSC protein drug microcapsules with different degree of substitution of NaCS using sodium polyphosphate as cross-linking agent. <i>Cellulose</i> , <b>2014</b> , 21, 1897-1908	5.5	13
89	Enhancement of Laccase Activity by Marine-derived Deuteromycete <i>Pestalotiopsis</i> sp. J63 with Agricultural Residues and Inducers. <i>Chinese Journal of Chemical Engineering</i> , <b>2013</b> , 21, 1182-1189	3.2	13

88	Molecular insight into protein binding orientations and interaction modes on hydrophobic charge-induction resin. <i>Journal of Chromatography A</i> , <b>2017</b> , 1512, 34-42	4.5	13
87	Expression of <i>Piromyces rhizinflata</i> cellulase in marine <i>Aspergillus niger</i> to enhance halostable cellulase activity by adjusting enzyme-composition. <i>Biochemical Engineering Journal</i> , <b>2017</b> , 117, 156-161	4.2	13
86	Preparation of polyelectrolyte complex membranes based on sodium cellulose sulfate and poly(dimethyldiallylammonium chloride) and its permeability properties. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 112, 402-409	2.9	13
85	Refolding of lysozyme in vitro assisted by colloidal thermosensitive poly(N-isopropylacrylamide) brushes grafted onto the surface of uniform polystyrene cores. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 114, 1270-1277	2.9	13
84	Refolding of lysozyme at high concentration in batch and fedbatch operation. <i>Korean Journal of Chemical Engineering</i> , <b>2002</b> , 19, 871-875	2.8	13
83	A Combined Refolding Technique for Recombinant Human Interferon- $\beta$ Inclusion Bodies by Ion-exchange Chromatography with a Urea Gradient. <i>World Journal of Microbiology and Biotechnology</i> , <b>2005</b> , 21, 797-802	4.4	13
82	Molecular recognition of Fc-specific ligands binding onto the consensus binding site of IgG: insights from molecular simulation. <i>Journal of Molecular Recognition</i> , <b>2014</b> , 27, 501-9	2.6	12
81	Characterization of dextran-grafted hydrophobic charge-induction resins: Structural properties, protein adsorption and transport. <i>Journal of Chromatography A</i> , <b>2017</b> , 1517, 44-53	4.5	12
80	Biosynthesis of $\beta$ -aminobutyrate by engineered <i>Lactobacillus brevis</i> cells immobilized in gellan gum gel beads. <i>Journal of Bioscience and Bioengineering</i> , <b>2019</b> , 128, 123-128	3.3	12
79	Evaluation of Biocompatible Ionic Liquids for Their Application in Phytosterols Bioconversion by <i>Mycobacterium</i> sp. Resting Cells. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 10702-10709	8.3	11
78	Directed expression of halophilic and acidophilic $\beta$ -glucosidases by introducing homologous constitutive expression cassettes in marine <i>Aspergillus niger</i> . <i>Journal of Biotechnology</i> , <b>2019</b> , 292, 12-22	3.7	11
77	Model-based process development and evaluation of twin-column continuous capture processes with Protein A affinity resin. <i>Journal of Chromatography A</i> , <b>2020</b> , 1625, 461300	4.5	11
76	Chromatographic separation of phenyllactic acid from crude broth using cryogels with dual functional groups. <i>Journal of Chromatography A</i> , <b>2018</b> , 1554, 92-100	4.5	11
75	Supercritical fluid assisted production of chitosan oligomers micrometric powders. <i>Carbohydrate Polymers</i> , <b>2014</b> , 102, 400-8	10.3	11
74	Preparation and characterization of supermacroporous polyacrylamide cryogel beads for biotechnological application. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 130, 3082-3089	2.9	11
73	Preparation of cellulose-tungsten carbide composite beads with ionic liquid for expanded bed application. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 119, 3453-3461	2.9	11
72	Preparation and Application of Novel EOPOIDA $\beta$ -Metal Polymer as Recyclable Metal Affinity Ligand in Aqueous Two-Phase Systems. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2006</b> , 45, 1774-1779	3.9	11
71	Side-chain cleavage of phytosterols by <i>Mycobacterium</i> sp. MB 3683 in a biphasic ionic liquid/aqueous system. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2016</b> , 91, 2631-2637	3.5	11

70	Thermal Inactivation Kinetics and Secondary Structure Change of a Low Molecular Weight Halostable Exoglucanase from a Marine <i>Aspergillus niger</i> at High Salinities. <i>Applied Biochemistry and Biotechnology</i> , <b>2017</b> , 183, 1111-1125	3.2	10
69	Chromatographic adsorption of serum albumin and antibody proteins in cryogels with benzyl-quaternary amine ligands. <i>Journal of Chromatography A</i> , <b>2015</b> , 1381, 173-83	4.5	10
68	High-throughput screening and optimization of mixed-mode resins for human serum albumin separation with microtiter filter plate. <i>Biochemical Engineering Journal</i> , <b>2018</b> , 131, 47-57	4.2	10
67	New hydrophobic charge-induction resin with 2-mercaptoimidazole as the ligand and its separation characteristics for porcine IgG. <i>Biotechnology and Bioprocess Engineering</i> , <b>2013</b> , 18, 1169-1175	3.1	10
66	Partial purification of nattokinase from <i>Bacillus subtilis</i> by expanded bed adsorption. <i>Biotechnology Letters</i> , <b>2000</b> , 22, 1383-1387	3	10
65	Binary Adsorption Processes of Albumin and Immunoglobulin on Hydrophobic Charge-Induction Resins. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2016</b> , 61, 1353-1360	2.8	10
64	A Two-stage pH and Temperature Control with Substrate Feeding Strategy for Production of Gamma-aminobutyric Acid by <i>Lactobacillus brevis</i> CGMCC 1306. <i>Chinese Journal of Chemical Engineering</i> , <b>2013</b> , 21, 1190-1194	3.2	9
63	Sorption and Diffusion Behavior of Carbon Dioxide into Poly(L-lactic acid) Films at Elevated Pressures. <i>Chinese Journal of Chemical Engineering</i> , <b>2013</b> , 21, 1296-1302	3.2	9
62	A Complex Process of Asymmetric Synthesis of $\beta$ -Hydroxy Ester by Baker's Yeast Accompanied by Resin Adsorption. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2005</b> , 44, 5411-5416	3.9	9
61	Thermosensitive poly(N-isopropylacrylamide) hydrogel for refolding of recombinant bovine prethrombin-2 from <i>E. coli</i> inclusion bodies. <i>Journal of Applied Polymer Science</i> , <b>2005</b> , 96, 1734-1740	2.9	9
60	Antibody capture with twin-column continuous chromatography: Effects of residence time, protein concentration and resin. <i>Separation and Purification Technology</i> , <b>2020</b> , 253, 117554	8.3	9
59	Halostable catalytic properties of exoglucanase from a marine <i>Aspergillus niger</i> and secondary structure change caused by high salinities. <i>Process Biochemistry</i> , <b>2017</b> , 58, 85-91	4.8	8
58	Integration of Expanded Bed Adsorption and Hydrophobic Charge-Induction Chromatography for Monoclonal Antibody Separation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 765-773	3.9	8
57	Sodium cellulose sulfate: A promising biomaterial used for microcarriers designing. <i>Frontiers of Chemical Science and Engineering</i> , <b>2019</b> , 13, 46-58	4.5	8
56	Evaluation of a PEG/hydroxypropyl starch aqueous two-phase system for the separation of monoclonal antibodies from cell culture supernatant. <i>Journal of Separation Science</i> , <b>2014</b> , 37, 447-53	3.4	8
55	Removal of dyes from wastewater by growing fungal pellets in a semi-continuous mode. <i>Frontiers of Chemical Science and Engineering</i> , <b>2017</b> , 11, 338-345	4.5	8
54	A novel method for the preparation of spherical cellulose-tungsten carbide composite matrix with NMMO as nonderivatizing solvent. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 121, 2985-2992	2.9	8
53	Combination of induced autolysis and sodium hypochlorite oxidation for the production of <i>Saccharomyces cerevisiae</i> (1- $\beta$ )-D-glucan. <i>World Journal of Microbiology and Biotechnology</i> , <b>2003</b> , 19, 947-952	4.4	8

52	Selectivity evaluation and separation of human immunoglobulin G, Fab and Fc fragments with mixed-mode resins. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2017</b> , 1040, 105-111	3.2	7
51	A new tetrapeptide biomimetic chromatographic resin for antibody separation with high adsorption capacity and selectivity. <i>Journal of Chromatography A</i> , <b>2019</b> , 1604, 460474	4.5	7
50	Improvement of $\beta$ -aminobutyrate biosynthesis by genetically engineered <i>Lactococcus lactis</i> . <i>Biochemical Engineering Journal</i> , <b>2020</b> , 157, 107525	4.2	7
49	Effect of the SA content of a novel thermo-sensitive P(NIPAM-co-SA) copolymer on denatured lysozyme refolding in vitro. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 121, 2597-2605	2.9	7
48	Dehydrogenation of 11 $\beta$ -hydroxy-16 $\beta$ -17-epoxyprogesterone by encapsulated <i>Arthrobacter simplex</i> cells in an aqueous/organic solvent two-liquid-phase system. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2009</b> , 84, 208-214	3.5	7
47	Poly(glycidyl methacrylate)-grafted hydrophobic charge-induction agarose resins with 5-aminobenzimidazole as a functional ligand. <i>Journal of Separation Science</i> , <b>2016</b> , 39, 3130-6	3.4	7
46	Development and application of hydrophobic charge-induction chromatography for bioseparation. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2019</b> , 1134-1135, 121850	3.2	7
45	Preparation and evaluation of mixed-mode resins with tryptophan analogues as functional ligands for human serum albumin separation. <i>Chinese Journal of Chemical Engineering</i> , <b>2017</b> , 25, 898-905	3.2	6
44	pH stabilization of lactic acid fermentation via the glutamate decarboxylation reaction: Simultaneous production of lactic acid and $\beta$ -aminobutyric acid. <i>Process Biochemistry</i> , <b>2015</b> , 50, 1523-1527	4.8	6
43	Sustained release of dexamethasone from drug-loading PLGA scaffolds with specific pore structure fabricated by supercritical CO <sub>2</sub> foaming. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46207	2.9	6
42	Reconstruction of the glutamate decarboxylase system in <i>Lactococcus lactis</i> for biosynthesis of food-grade $\beta$ -aminobutyric acid. <i>Applied Microbiology and Biotechnology</i> , <b>2021</b> , 105, 4127-4140	5.7	6
41	Hydrophobic charge-induction chromatographic resin with 5-aminobenzimidazol ligand: Effects of ligand density on protein adsorption. <i>Separation Science and Technology</i> , <b>2016</b> , 51, 1700-1707	2.5	5
40	Fabrication and formation studies on single-walled CA/NaCS-WSC microcapsules. <i>Materials Science and Engineering C</i> , <b>2016</b> , 59, 909-915	8.3	5
39	Thermostable ethanol tolerant xylanase from a cold-adapted marine species <i>Acinetobacter johnsonii</i> . <i>Chinese Journal of Chemical Engineering</i> , <b>2019</b> , 27, 1166-1170	3.2	5
38	Lipase-catalyzed enantioselective transesterification of cyanohydrins for the synthesis of (S)- $\alpha$ -cyano-3-phenoxybenzyl acetate. <i>Annals of the New York Academy of Sciences</i> , <b>1998</b> , 864, 646-8	6.5	5
37	Lysozyme refolding at high concentration by dilution and size-exclusion chromatography. <i>Journal of Zhejiang University: Science A</i> , <b>2003</b> , 4, 136-141	2.1	5
36	Collection and Purification of Parasporal Crystals from <i>Bacillus thuringiensis</i> by Aqueous Two-Phase Extraction. <i>Separation Science and Technology</i> , <b>2003</b> , 38, 1665-1680	2.5	5
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29	Comparison of the adsorption characteristics of expanded bed adsorbent with conventional chromatographic adsorbent. <i>Korean Journal of Chemical Engineering</i> , <b>2001</b> , 18, 357-362	2.8	4
28	Effect of the cross-linking agent on performances of NaCS-CS/WSC microcapsules. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 147, 416-421	6	4
27	Model-assisted approaches for continuous chromatography: Current situation and challenges. <i>Journal of Chromatography A</i> , <b>2021</b> , 1637, 461855	4.5	4
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18	Process development and optimization of continuous capture with three-column periodic counter-current chromatography. <i>Biotechnology and Bioengineering</i> , <b>2021</b> , 118, 3313-3322	4.9	3
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15	Preparation of cellulose adsorbents with ionic liquid and pore expansion for chromatographic applications. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	2
14	Isolation of microbe for asymmetric reduction of prochiral aromatic ketone and its reaction characters. <i>Frontiers of Chemical Engineering in China</i> , <b>2007</b> , 1, 416-420		2
13	Evaluation of Molecular Binding Modes on Site II of Human Serum Albumin. <i>Wuli Huaxue Xuebao/Acta Physico - Chimica Sinica</i> , <b>2016</b> , 32, 1819-1828	3.8	2
12	Molecular Simulations on Dynamic Binding of Ibuprofen onto Site II of Human Serum Albumin: One Potential Way Analysis. <i>Wuli Huaxue Xuebao/Acta Physico - Chimica Sinica</i> , <b>2016</b> , 32, 2811-2818	3.8	2
11	Salt-tolerant mechanism of marine <i>Aspergillus niger</i> cellulase cocktail and improvement of its activity. <i>Chinese Journal of Chemical Engineering</i> , <b>2020</b> , 28, 1120-1128	3.2	2
10	A novel dextran-grafted tetrapeptide resin for antibody purification. <i>Journal of Separation Science</i> , <b>2020</b> , 43, 3816-3823	3.4	2
9	Cytotoxic Effect on Cancer Cells and Structural Identification of Phenols from <i>Spatholobi Caulis</i> by HPLC-ESI-MSn. <i>Natural Product Communications</i> , <b>2009</b> , 4, 1934578X0900400	0.9	1
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5	An efficient biocatalytic synthesis of imidazole-4-acetic acid. <i>Biotechnology Letters</i> , <b>2018</b> , 40, 1049-1055	3	1
4	Comparison of Protein A affinity resins for twin-column continuous capture processes: Process performance and resin characteristics. <i>Journal of Chromatography A</i> , <b>2021</b> , 1654, 462454	4.5	1
3	Tetrapeptide ligands screening for antibody separation and purification by molecular simulation and experimental verification. <i>Biochemical Engineering Journal</i> , <b>2021</b> , 176, 108213	4.2	1
2	Discovery of extremophilic cellobiohydrolases from marine <i>Aspergillus niger</i> with computational analysis. <i>Process Biochemistry</i> , <b>2022</b> , 115, 118-127	4.8	0
1	Supercritical CO <sub>2</sub> assisted micronization of curcumin-loaded oil-in-water emulsion promising in colon targeted delivery. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2022</b> , 59, 101966	7.6	0