Dong-Qiang Lin

List of Publications by Year
in descending order

162 papers	3,705 citations	136950 32 h-index	223800 46 g-index
163 all docs	163 docs citations	163 times ranked	2578 citing authors

#	Article	IF	Citations
1	Downstream processing of virusâ€like particles with aqueous twoâ€phase systems: Applications and challenges. Journal of Separation Science, 2022, 45, 2064-2076.	2.5	8
2	Discovery of extremophilic cellobiohydrolases from marine Aspergillus niger with computational analysis. Process Biochemistry, 2022, 115, 118-127.	3.7	3
3	Salt-tolerant and thermostable mechanisms of an endoglucanase from marine Aspergillus niger. Bioresources and Bioprocessing, 2022, 9, .	4.2	6
4	Study on antibody adsorption and elution performance of carboxyl and hydrophobic groups on mixedâ€mode ligands. Journal of Separation Science, 2022, 45, 2946-2955.	2.5	2
5	Model-based evaluation and model-free strategy for process development of three-column periodic counter-current chromatography. Journal of Chromatography A, 2022, 1677, 463311.	3.7	7
6	Process development and optimization of continuous capture with threeâ€column periodic counterâ€current chromatography. Biotechnology and Bioengineering, 2021, 118, 3313-3322.	3.3	22
7	Analysis and optimal design of batch and twoâ€column continuous chromatographic frontal processes for monoclonal antibody purification. Biotechnology and Bioengineering, 2021, 118, 3420-3434.	3.3	9
8	A novel twinâ€column continuous chromatography approach for separation and enrichment of monoclonal antibody charge variants. Engineering in Life Sciences, 2021, 21, 382-391.	3.6	10
9	Comparison of Protein A affinity resins for twin-column continuous capture processes: Process performance and resin characteristics. Journal of Chromatography A, 2021, 1654, 462454.	3.7	13
10	Tetrapeptide ligands screening for antibody separation and purification by molecular simulation and experimental verification. Biochemical Engineering Journal, 2021, 176, 108213.	3.6	4
11	Model-assisted approaches for continuous chromatography: Current situation and challenges. Journal of Chromatography A, 2021, 1637, 461855.	3.7	24
12	Separation of monoclonal antibody charge variants using cation exchange chromatography: Resins and separation conditions optimization. Separation and Purification Technology, 2020, 235, 116136.	7.9	21
13	Salt-tolerant mechanism of marine Aspergillus niger cellulase cocktail and improvement of its activity. Chinese Journal of Chemical Engineering, 2020, 28, 1120-1128.	3.5	6
14	Rational design of specific ligands for human serum albumin separation and applications. Journal of Separation Science, 2020, 43, 4028-4035.	2.5	6
15	Antibody capture with twin-column continuous chromatography: Effects of residence time, protein concentration and resin. Separation and Purification Technology, 2020, 253, 117554.	7.9	23
16	A novel dextranâ€grafted tetrapeptide resin for antibody purification. Journal of Separation Science, 2020, 43, 3816-3823.	2.5	6
17	Model-based process development and evaluation of twin-column continuous capture processes with Protein A affinity resin. Journal of Chromatography A, 2020, 1625, 461300.	3.7	23
18	Model-based process development of continuous chromatography for antibody capture: A case study with twin-column system. Journal of Chromatography A, 2020, 1619, 460936.	3.7	29

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19	Liquid Biphasic Systems for Oil-Rich Algae Bioproducts Processing. Sustainability, 2019, 11, 4682.	3.2	13
20	A new tetrapeptide biomimetic chromatographic resin for antibody separation with high adsorption capacity and selectivity. Journal of Chromatography A, 2019, 1604, 460474.	3.7	11
21	High-Throughput Process Development for Recombinant Human Serum Albumin Separation from Pichia pastoris Broth with Mixed-Mode Chromatography. Industrial & Engineering Chemistry Research, 2019, 58, 3238-3248.	3.7	5
22	Directed expression of halophilic and acidophilic Î²-glucosidases by introducing homologous constitutive expression cassettes in marine Aspergillus niger. Journal of Biotechnology, 2019, 292, 12-22.	3.8	22
23	Adsorption Characteristics of Human Immunoglobulin G on Five New Tetrapeptide Biomimetic Affinity Resins. Journal of Chemical & Engineering Data, 2019, 64, 1671-1679.	1.9	5
24	Mathematical modelling of expanded bed adsorptionÂâ€“Âa perspective on in silico process design. Journal of Chemical Technology and Biotechnology, 2018, 93, 1815-1826.	3.2	9
25	High-throughput screening and optimization of mixed-mode resins for human serum albumin separation with microtiter filter plate. Biochemical Engineering Journal, 2018, 131, 47-57.	3.6	14
26	Mixed-Mode Expanded-Bed Adsorption for Human Serum Albumin Separation. Industrial & Engineering Chemistry Research, 2018, 57, 1039-1047.	3.7	5
27	Evaluation of adsorption selectivity of immunoglobulins M, A and G and purification of immunoglobulin M with mixed-mode resins. Journal of Chromatography A, 2018, 1533, 77-86.	3.7	8
28	Adsorption of IgG and BSA on Two Chromatographic Resinsâ€”Poly(ethylenimine)-4FF Resin and Tetrapeptide-poly(ethylenimine)-4FF Resin. Journal of Chemical & Engineering Data, 2018, , .	1.9	0
29	Review on biomimetic affinity chromatography with short peptide ligands and its application to protein purification. Journal of Chromatography A, 2018, 1571, 1-15.	3.7	56
30	Halostable catalytic properties of exoglucanase from a marine Aspergillus niger and secondary structure change caused by high salinities. Process Biochemistry, 2017, 58, 85-91.	3.7	11
31	Preparation and evaluation of mixed-mode resins with tryptophan analogues as functional ligands for human serum albumin separation. Chinese Journal of Chemical Engineering, 2017, 25, 898-905.	3.5	9
32	Thermal Inactivation Kinetics and Secondary Structure Change of a Low Molecular Weight Halostable Exoglucanase from a Marine Aspergillus niger at High Salinities. Applied Biochemistry and Biotechnology, 2017, 183, 1111-1125.	2.9	14
33	Selectivity evaluation and separation of human immunoglobulin G, Fab and Fc fragments with mixed-mode resins. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1040, 105-111.	2.3	7
34	Integration of Expanded Bed Adsorption and Hydrophobic Charge-Induction Chromatography for Monoclonal Antibody Separation. Industrial & Engineering Chemistry Research, 2017, 56, 765-773.	3.7	9
35	Evaluation on adsorption selectivity of immunoglobulin G with 2-mercapto-1-methyl-imidazole-based hydrophobic charge-induction resins. Biochemical Engineering Journal, 2017, 119, 34-41.	3.6	15
36	Characterization of dextran-grafted hydrophobic charge-induction resins: Structural properties, protein adsorption and transport. Journal of Chromatography A, 2017, 1517, 44-53.	3.7	15

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37	Molecular insight into protein binding orientations and interaction modes on hydrophobic charge-induction resin. Journal of Chromatography A, 2017, 1512, 34-42.	3.7	16
38	Expression of Piromyces rhizinflata cellulase in marine Aspergillus niger to enhance halostable cellulase activity by adjusting enzyme-composition. Biochemical Engineering Journal, 2017, 117, 156-161.	3.6	16
39	A microcalorimetric study of molecular interactions between immunoglobulin G and hydrophobic charge-induction ligand. Journal of Chromatography A, 2016, 1443, 145-151.	3.7	15
40	Binary Adsorption Processes of Albumin and Immunoglobulin on Hydrophobic Charge-Induction Resins. Journal of Chemical & Engineering Data, 2016, 61, 1353-1360.	1.9	12
41	Poly(glycidyl methacrylate)â€grafted hydrophobic chargeâ€induction agarose resins with 5â€aminobenzimidazole as a functional ligand. Journal of Separation Science, 2016, 39, 3130-3136.	2.5	10
42	Fabrication and Characterization of Cryogel Beads and Composite Monoliths. , 2016, , 113-146.		2
43	Evaluation of magnetic particles modified with a hydrophobic charge-induction ligand for antibody capture. Journal of Chromatography A, 2016, 1460, 61-67.	3.7	10
44	New tetrapeptide ligands designed for antibody purification with biomimetic chromatography: Molecular simulation and experimental validation. Biochemical Engineering Journal, 2016, 114, 191-201.	3.6	26
45	A novel polymer-grafted hydrophobic charge-induction chromatographic resin for enhancing protein adsorption capacity. Chemical Engineering Journal, 2016, 304, 251-258.	12.7	32
46	Experimental and in silico studies on three hydrophobic charge-induction adsorbents for porcine immunoglobulin purification. Chinese Journal of Chemical Engineering, 2016, 24, 151-157.	3.5	4
47	Coadsorption of Human Immunoglobulin G and Bovine Serum Albumin on a p-Aminohippuric Acid Based Mixed-Mode Resin. Journal of Chemical & Engineering Data, 2016, 61, 151-159.	1.9	3
48	Hydrophobic charge-induction chromatographic resin with 5-aminobenzimidazol ligand: Effects of ligand density on protein adsorption. Separation Science and Technology, 2016, 51, 1700-1707.	2.5	6
49	Multimodal charge-induction chromatography for antibody purification. Journal of Chromatography A, 2016, 1429, 258-264.	3.7	28
50	A mixed-mode resin with tryptamine ligand for human serum albumin separation. Journal of Chromatography A, 2016, 1431, 145-153.	3.7	29
51	Fabrication and formation studies on single-walled CA/NaCS-WSC microcapsules. Materials Science and Engineering C, 2016, 59, 909-915.	7.3	10
52	Self-immobilization of a magnetic biosorbent and magnetic induction heated dye adsorption processes. Chemical Engineering Journal, 2016, 284, 972-978.	12.7	40
53	Evaluation of Molecular Binding Modes on Site â…¡ of Human Serum Albumin. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2016, 32, 1819-1828.	4.9	3
54	Molecular Simulations on Dynamic Binding of Ibuprofen onto Site II of Human Serum Albumin: One Potential Way Analysis. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2016, 32, 2811-2818.	4.9	3

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55	Hydrophobic chargeâ€induction resin with 5â€aminobenzimidazol as the functional ligand: preparation, protein adsorption and immunoglobulin G purification. Journal of Separation Science, 2015, 38, 2387-2393.	2.5	29
56	5-Aminobenzimidazole as new hydrophobic charge-induction ligand for expanded bed adsorption of bovine IgG. Journal of Chromatography A, 2015, 1425, 97-105.	3.7	20
57	Antibodyâ€“Ligand Interactions for Hydrophobic Charge-Induction Chromatography: A Surface Plasmon Resonance Study. Langmuir, 2015, 31, 3422-3430.	3.5	19
58	Evaluation and characterization of axial distribution in expanded bed: II. Liquid mixing and local effective axial dispersion. Journal of Chromatography A, 2015, 1393, 65-72.	3.7	7
59	Separation of lactoperoxidase from bovine whey milk by cation exchange composite cryogel embedded macroporous cellulose beads. Separation and Purification Technology, 2015, 147, 132-138.	7.9	30
60	Characterization of immunoglobulin adsorption on dextran-grafted hydrophobic charge-induction resins: Cross-effects of ligand density and pH/salt concentration. Journal of Chromatography A, 2015, 1396, 45-53.	3.7	28
61	Chromatographic adsorption of serum albumin and antibody proteins in cryogels with benzyl-quaternary amine ligands. Journal of Chromatography A, 2015, 1381, 173-183.	3.7	13
62	Protein adsorption behavior and immunoglobulin separation with a mixedâ€mode resin based on pâ€aminohippuric acid. Journal of Separation Science, 2014, 37, 2474-2480.	2.5	12
63	Preparation of cellulose adsorbents with ionic liquid and pore expansion for chromatographic applications. Journal of Applied Polymer Science, 2014, 131, .	2.6	5
64	Design of Chitosan and Its Water Soluble Derivatives-Based Drug Carriers with Polyelectrolyte Complexes. Marine Drugs, 2014, 12, 6236-6253.	4.6	104
65	Molecular insights into the binding selectivity of a synthetic ligand DAAG to Fc fragment of IgG. Journal of Molecular Recognition, 2014, 27, 250-259.	2.1	23
66	Immiscible liquidâ€“liquid slug flow characteristics in the generation of aqueous drops within a rectangular microchannel for preparation of poly(2-hydroxyethylmethacrylate) cryogel beads. Chemical Engineering Research and Design, 2014, 92, 2182-2190.	5.6	8
67	An integrated expanded bed adsorption process for lactoferrin and immunoglobulin G purification from crude sweet whey. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 947-948, 201-207.	2.3	24
68	Molecular recognition of Fcâ€specific ligands binding onto the consensus binding site of IgG: insights from molecular simulation. Journal of Molecular Recognition, 2014, 27, 501-509.	2.1	13
69	Evaluation of a PEG/hydroxypropyl starch aqueous twoâ€phase system for the separation of monoclonal antibodies from cell culture supernatant. Journal of Separation Science, 2014, 37, 447-453.	2.5	14
70	Preparation and evaluation of dextran-grafted agarose resin for hydrophobic charge-induction chromatography. Journal of Chromatography A, 2014, 1369, 116-124.	3.7	30
71	Determination of Apparent Drug Permeability Coefficients through Chitosan-Sodium Cellulose Sulfate Polyelectrolyte Complex Films. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2014, 30, 365-370.	4.9	5
72	Characterization of novel lactoferrin loaded capsules prepared with polyelectrolyte complexes. International Journal of Pharmaceutics, 2013, 455, 124-131.	5.2	42

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73	Evaluating antibody monomer separation from associated aggregates using mixed-mode chromatography. Journal of Chromatography A, 2013, 1294, 70-75.	3.7	52
74	Isolation of immunoglobulin <scp>G</scp> from bovine milk whey by poly(hydroxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (r	2.5	17
75	Evaluation of mixed-mode chromatographic resins for separating IgG from serum albumin containing feedstock. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 936, 33-41.	2.3	24
76	Preparation and characterization of supermacroporous polyacrylamide cryogel beads for biotechnological application. Journal of Applied Polymer Science, 2013, 130, 3082-3089.	2.6	15
77	New hydrophobic charge-induction resin with 2-mercaptoimidazole as the ligand and its separation characteristics for porcine IgG. Biotechnology and Bioprocess Engineering, 2013, 18, 1169-1175.	2.6	13
78	Effect and mechanism of sodium chloride on the formation of chitosanâ€“cellulose sulfateâ€“tripolyphosphate crosslinked beads. Soft Matter, 2013, 9, 10354.	2.7	31
79	Evaluation of immunoglobulin adsorption on the hydrophobic charge-induction resins with different ligand densities and pore sizes. Journal of Chromatography A, 2013, 1278, 61-68.	3.7	43
80	Caprylate as the albumin-selective modifier to improve IgG purification with hydrophobic charge-induction chromatography. Journal of Chromatography A, 2013, 1285, 88-96.	3.7	32
81	Evaluation and characterization of axial distribution in expanded bed. I. Bead size, bead density and local bed voidage. Journal of Chromatography A, 2013, 1304, 78-84.	3.7	10
82	Evaluation of poly(ethylene glycol)/hydroxypropyl starch aqueous two-phase system for immunoglobulin G extraction. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 928, 106-112.	2.3	24
83	Poly(hydroxyethyl methacrylate)-based composite cryogel with embedded macroporous cellulose beads for the separation of human serum immunoglobulin and albumin. Journal of Separation Science, 2013, 36, 3813-3820.	2.5	27
84	One-Step Purification of Lactoferrin from Crude Sweet Whey Using Cation-Exchange Expanded Bed Adsorption. Industrial & Engineering Chemistry Research, 2013, 52, 2693-2699.	3.7	26
85	Molecular Insight into the Ligandâ€“IgG Interactions for 4-Mercaptoethyl-pyridine Based Hydrophobic Charge-Induction Chromatography. Journal of Physical Chemistry B, 2012, 116, 1393-1400.	2.6	50
86	Adsorption of rutin with a novel Î²-cyclodextrin polymer adsorbent: Thermodynamic and kinetic study. Carbohydrate Polymers, 2012, 90, 1764-1770.	10.2	22
87	Microchannel liquid-flow focusing and cryo-polymerization preparation of supermacroporous cryogel beads for bioseparation. Journal of Chromatography A, 2012, 1247, 81-88.	3.7	41
88	Cryo-copolymerization preparation of dextran-hyaluronate based supermacroporous cryogel scaffolds for tissue engineering applications. Frontiers of Chemical Science and Engineering, 2012, 6, 339-347.	4.4	11
89	Optimization of a Natural Medium for Cellulase by a Marine Aspergillus niger Using Response Surface Methodology. Applied Biochemistry and Biotechnology, 2012, 167, 1963-1972.	2.9	27
90	Molecular mechanism of hydrophobic charge-induction chromatography: Interactions between the immobilized 4-mercaptoethyl-pyridine ligand and IgG. Journal of Chromatography A, 2012, 1260, 143-153.	3.7	34

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91	Protein adsorption on <scp>DEAE</scp> ionâ€exchange resins with different ligand densities and pore sizes. Journal of Separation Science, 2012, 35, 3084-3090.	2.5	14
92	Effects of ligand density and pore size on the adsorption of bovine <scp>IgG</scp> with <scp>DEAE</scp> ionâ€exchange resins. Journal of Separation Science, 2012, 35, 2131-2137.	2.5	43
93	Enhancing IgG purification from serum albumin containing feedstock with hydrophobic charge-induction chromatography. Journal of Chromatography A, 2012, 1244, 116-122.	3.7	48
94	A new purification process for goose immunoglobulin IgY(Î”Fc) with hydrophobic charge-induction chromatography. Biochemical Engineering Journal, 2011, 56, 205-211.	3.6	29
95	Preparation of celluloseâ€“tungsten carbide composite beads with ionic liquid for expanded bed application. Journal of Applied Polymer Science, 2011, 119, 3453-3461.	2.6	12
96	A novel method for the preparation of spherical celluloseâ€tungsten carbide composite matrix with NMMO as nonderivatizing solvent. Journal of Applied Polymer Science, 2011, 121, 2985-2992.	2.6	8
97	Influences of Ligand Structure and pH on the Adsorption with Hydrophobic Charge Induction Adsorbents: A Case Study of Antibody IgY. Separation Science and Technology, 2011, 46, 1957-1965.	2.5	20
98	A novel Î²-cyclodextrin polymer/tungsten carbide composite matrix for expanded bed adsorption: Preparation and characterization of physical properties. Carbohydrate Polymers, 2010, 80, 1085-1090.	10.2	19
99	Biodegradation of polyelectrolyte complex films composed of chitosan and sodium cellulose sulfate as the controllable release carrier. Carbohydrate Polymers, 2010, 82, 323-328.	10.2	39
100	Salt-Promoted Adsorption of an Antibody onto Hydrophobic Charge-Induction Adsorbents. Journal of Chemical & Engineering Data, 2010, 55, 5751-5758.	1.9	20
101	Adsorbents for Expanded Bed Adsorption: Preparation and Functionalization. Chinese Journal of Chemical Engineering, 2009, 17, 678-687.	3.5	25
102	Expansion and hydrodynamic properties of Î²-cyclodextrin polymer/tungsten carbide composite matrix in an expanded bed. Journal of Chromatography A, 2009, 1216, 7840-7845.	3.7	13
103	Preparation and adsorption behavior of a celluloseâ€based, mixedâ€mode adsorbent with a benzylamine ligand for expanded bed applications. Journal of Applied Polymer Science, 2008, 107, 674-682.	2.6	30
104	Patch controlled protein adsorption in mixed-mode chromatography with benzylamine as functional ligand. Biochemical Engineering Journal, 2008, 38, 355-361.	3.6	22
105	Chromatographic performance of macroporous celluloseâ€“tungsten carbide composite beads as anion-exchanger for expanded bed adsorption at high fluid velocity. Journal of Chromatography A, 2008, 1195, 60-66.	3.7	32
106	Preparation and Evaluation of Cellulose Adsorbents for Hydrophobic Charge Induction Chromatography. Industrial & Engineering Chemistry Research, 2008, 47, 9566-9572.	3.7	50
107	Spherical celluloseâ€“nickel powder composite matrix customized for expanded bed application. Journal of Applied Polymer Science, 2007, 104, 740-747.	2.6	24
108	Evaluation of new high-density ion exchange adsorbents for expanded bed adsorption chromatography. Journal of Chromatography A, 2007, 1145, 58-66.	3.7	27

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109	Preparation and characterization of macroporous celluloseâ€“tungsten carbide composite beads for expanded bed applications. Journal of Chromatography A, 2007, 1175, 55-62.	3.7	55
110	Aqueous micellar two-phase system composed of hyamine-type hydrophobically modified ethylene oxide and application for cytochrome P450 BM-3 separation. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 852, 167-173.	2.3	4
111	Mechanistic analysis on the effects of salt concentration and pH on protein adsorption onto a mixed-mode adsorbent with cation ligand. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 859, 16-23.	2.3	58
112	Target Control of Cell Disruption To Minimize the Biomass Electrostatic Adhesion during Anion-Exchange Expanded Bed Adsorption. Biotechnology Progress, 2007, 23, 162-167.	2.6	8
113	Purification and Characterization of Glutamate Decarboxylase of Lactobacillus brevis CGMCC 1306 Isolated from Fresh Milk. Chinese Journal of Chemical Engineering, 2007, 15, 157-161.	3.5	57
114	Biosynthesis of Î³-aminobutyric acid (GABA) using immobilized whole cells of Lactobacillus brevis. World Journal of Microbiology and Biotechnology, 2007, 23, 865-871.	3.6	92
115	Optimizing Dye-Ligand Density with Molecular Analysis for Affinity Chromatography of Rabbit Muscle l-Lactate Dehydrogenase. Biotechnology Progress, 2007, 23, 904-910.	2.6	6
116	Optimizing Dye-Ligand Density with Molecular Analysis for Affinity Chromatography of Rabbit Muscle L-Lactate Dehydrogenase. Biotechnology Progress, 2007, 23, 904-910.	2.6	2
117	Measurement and Correlation of Protein Adsorption with Mixed-Mode Adsorbents Taking into Account the Influences of Salt Concentration and pH. Journal of Chemical & Engineering Data, 2006, 51, 1205-1211.	1.9	24
118	Preparation and Application of Novel EOPOâ˜'IDAâ˜'Metal Polymer as Recyclable Metal Affinity Ligand in Aqueous Two-Phase Systems. Industrial & Engineering Chemistry Research, 2006, 45, 1774-1779.	3.7	12
119	Mass Transfer Behavior of Solutes in NaCSâ˜'PDMDAAC Capsules. Industrial & Engineering Chemistry Research, 2006, 45, 1811-1816.	3.7	12
120	Protein adsorption kinetics of mixed-mode adsorbent with benzylamine as functional ligand. Chemical Engineering Science, 2006, 61, 7260-7268.	3.8	59
121	Expansion and hydrodynamic properties of cellulose-stainless steel powder composite matrix for expanded bed adsorption. Journal of Chromatography A, 2006, 1107, 265-272.	3.7	27
122	On-column refolding of recombinant human interferon-Î³ inclusion bodies by expanded bed adsorption chromatography. Biotechnology and Bioengineering, 2006, 93, 755-760.	3.3	18
123	The influence of homogenisation conditions on biomass-adsorbent interactions during ion-exchange expanded bed adsorption. Biotechnology and Bioengineering, 2006, 94, 543-553.	3.3	32
124	Zeta potential as a diagnostic tool to evaluate the biomass electrostatic adhesion during ion-exchange expanded bed application. Biotechnology and Bioengineering, 2006, 95, 185-191.	3.3	52
125	Preparation of an anion exchanger based on TiO2-densified cellulose beads for expanded bed adsorption. Reactive and Functional Polymers, 2005, 62, 169-177.	4.1	30
126	Variation of the local effective axial dispersion coefficient with bed height in expanded beds. Chemical Engineering Journal, 2005, 109, 123-131.	12.7	17

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127	Predictive modeling of protein adsorption along the bed height by taking into account the axial nonuniform liquid dispersion and particle classification in expanded beds. Journal of Chromatography A, 2005, 1095, 16-26.	3.7	35
128	Preparation and characterization of NaCSâ€“CMC/PDMDAAC capsules. Colloids and Surfaces B: Biointerfaces, 2005, 45, 136-143.	5.0	29
129	Using a kinetic model that considers cell segregation to optimize hEGF expression in fed-batch cultures of recombinant Escherichia coli. Bioprocess and Biosystems Engineering, 2005, 27, 143-152.	3.4	11
130	Separation of nattokinase fromBacillus subtilis fermentation broth by expanded bed adsorption with mixed-mode adsorbent. Biotechnology and Bioprocess Engineering, 2005, 10, 128-135.	2.6	22
131	Partitioning of Proteins using a Hydrophobically Modified Ethylene Oxide/SDS Aqueous Two-phase System. World Journal of Microbiology and Biotechnology, 2005, 21, 1209-1214.	3.6	6
132	Preparation and Characterization of Celluloseâ^'Stainless Steel Powder Composite Particles Customized for Expanded Bed Application. Industrial & Engineering Chemistry Research, 2005, 44, 8218-8224.	3.7	33
133	Modeling axial distributions of adsorbent particle size and local voidage in expanded bed. Chemical Engineering Science, 2004, 59, 449-457.	3.8	27
134	The influence of biomass on the hydrodynamic behavior and stability of expanded beds. Biotechnology and Bioengineering, 2004, 87, 337-346.	3.3	22
135	Gelation conditions and transport properties of hollow calcium alginate capsules. Biotechnology and Bioengineering, 2004, 87, 228-233.	3.3	53
136	Measurement and modeling of axial distribution of adsorbent particles in expanded bed: taking into account the particle density difference. Chemical Engineering Science, 2004, 59, 5873-5881.	3.8	14
137	Diffusion Coefficients in Intrahollow Calcium Alginate Microcapsules. Journal of Chemical & Engineering Data, 2004, 49, 475-478.	1.9	32
138	Variation of the Axial Dispersion along the Bed Height for Adsorbents with a Density Difference and a Log-Normal Size Distribution in an Expanded Bed. Industrial & Engineering Chemistry Research, 2004, 43, 8066-8073.	3.7	14
139	Improving the Stereoselectivity of Asymmetric Reduction of 3-Oxo Ester to 3-Hydroxy Ester with Pretreatments on Bakers' Yeast. Industrial & Engineering Chemistry Research, 2004, 43, 4871-4875.	3.7	20
140	PROCESS DESIGN IN EXPANDED BED ADSORPTION - INTEGRATING TARGET ADSORPTION AND BIOMASS INFLUENCE. , 2004, , .		0
141	EXPANDED BED ADSORPTION FOR RECOVERY OF Î±-CHLOROPROPIONIC ACID DEHALOGENASE USING TIO2-DENSIFIED CELLULOSE ADSORBENT. , 2004, , .		0
142	NONUNIFORM HYDRODYNAMICS AND AXIAL DISPERSION BEHAVIORS IN EXPANDED BEDS. , 2004, , .		1
143	Stability of expanded beds during the application of crude feedstock. Biotechnology and Bioengineering, 2003, 81, 21-26.	3.3	22
144	Biomass/adsorbent electrostatic interactions in expanded bed adsorption: A zeta potential study. Biotechnology and Bioengineering, 2003, 83, 149-157.	3.3	78

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145	Preparation and characterization of titanium oxide-densified cellulose beads for expanded bed adsorption. Journal of Applied Polymer Science, 2003, 90, 2848-2854.	2.6	34
146	Modeling the protein partitioning in aqueous polymer two-phase systems: influence of polymer concentration and molecular weight. Chemical Engineering Science, 2003, 58, 2963-2972.	3.8	33
147	Collection and Purification of Parasporal Crystals fromBacillus thuringiensisby Aqueous Two-Phase Extraction. Separation Science and Technology, 2003, 38, 1665-1680.	2.5	8
148	Minimising biomass/adsorbent interactions in expanded bed adsorption processes: a methodological design approach. Bioseparation, 2001, 10, 7-19.	0.7	50
149	The Use of Ion-Selective Electrodes for Evaluating Residence Time Distributions in Expanded Bed Adsorption Systems. Biotechnology Progress, 2001, 17, 1128-1136.	2.6	17
150	Measurement of water activities and prediction of liquidâ€“liquid equilibria for water+ethylene oxide-propylene oxide random copolymer+ammonium sulfate systems. Fluid Phase Equilibria, 2000, 175, 7-18.	2.5	30
151	Modeling of liquidâ€“liquid equilibrium of polyethylene glycol-salt aqueous two-phase systemsâ€”the effect of partial dissociation of the salt. Fluid Phase Equilibria, 1999, 154, 109-122.	2.5	17
152	Isopiestic determination of the water activities and prediction of liquidâ€“liquid equilibrium in polyethylene glycol+hydroxypropyl starch+water systems. Fluid Phase Equilibria, 1999, 162, 159-170.	2.5	10
153	Liquidâˆ’Liquid Equilibria of Aqueous Two-Phase Systems Containing Ethylene Oxideâˆ’Propylene Oxide Random Copolymer and Ammonium Sulfate. Journal of Chemical & Engineering Data, 1999, 44, 921-925.	1.9	13
154	Measurement of phase diagrams for new aqueous two-phase systems and prediction by a generalized multicomponent osmotic virial equation. Chemical Engineering Science, 1998, 53, 2755-2767.	3.8	31
155	Thermodynamics of aqueous two-phase systemsâ€”the effect of polymer molecular weight on liquidâ€“liquid equilibrium phase diagrams by the modified NRTL model. Fluid Phase Equilibria, 1998, 147, 25-43.	2.5	72
156	Process Design for Purification of Muscle Lactate Dehydrogenase by Affinity Partitioning Using Free Reactive Dyes. Separation Science and Technology, 1998, 33, 1937-1937.	2.5	7
157	Isopiestic Determination of the Water Activities of Poly(ethylene glycol) + Salt + Water Systems at 25 Â°C. Journal of Chemical & Engineering Data, 1996, 41, 1040-1042.	1.9	53
158	A modified NRTL equation for the calculation of phase equilibrium of polymer solutions. Fluid Phase Equilibria, 1996, 121, 125-139.	2.5	53
159	An improved isopiestic method for measurement of water activities in aqueous polymer and salt solutions. Fluid Phase Equilibria, 1996, 118, 241-248.	2.5	44
160	Prediction of liquid-liquid equilibria of polymerî—¸salt aqueous two-phase systems by a modified Pitzer's virial equation. Fluid Phase Equilibria, 1996, 124, 67-79.	2.5	53
161	Affinity extraction of lactate dehydrogenase by aqueous two-phase systems using free triazine dyes. Biotechnology Letters, 1996, 10, 41-46.	0.5	11
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