

# Alois Jungbauer

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1524710/publications.pdf>

Version: 2024-02-01

368  
papers

13,262  
citations

22132

59  
h-index

38368

95  
g-index

398  
all docs

398  
docs citations

398  
times ranked

11699  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of failure rates, lot definitions and scheduling of upstream processes on the productivity of continuous integrated bioprocesses. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 2393-2403.	1.6	5
2	Traceability of products and guide for batch definition in integrated continuous biomanufacturing. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 2386-2392.	1.6	6
3	Productivity for free: Residence time gradients during loading increase dynamic binding capacity and productivity. <i>Separation and Purification Technology</i> , 2022, 281, 119985.	3.9	8
4	Characterization of hydrodynamics and volumetric power input in microtiter plates for the scale-up of downstream operations. <i>Biotechnology and Bioengineering</i> , 2022, 119, 523-534.	1.7	6
5	A scalable, integrated downstream process for production of a recombinant measles virus-vectored vaccine. <i>Vaccine</i> , 2022, 40, 1323-1333.	1.7	11
6	Mode and dosage time in polyethylene glycol precipitation process influences protein precipitate size and filterability. <i>Process Biochemistry</i> , 2022, 114, 77-85.	1.8	10
7	Prediction of the performance of pre-packed purification columns through machine learning. <i>Journal of Separation Science</i> , 2022, 45, 1445-1457.	1.3	6
8	Redissolution of recombinant antibodies precipitated by ZnCl <sub>2</sub> . <i>Process Biochemistry</i> , 2022, 118, 145-153.	1.8	7
9	Design of millidevices to expedite apparent solubility measurements. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 2045-2053.	1.9	2
10	Milliscale reactors for integration of continuous precipitation and filtration. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 3183-3192.	1.6	6
11	Fusion Tag Design Influences Soluble Recombinant Protein Production in <i>Escherichia coli</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 7678.	1.8	12
12	Model-based evaluation and model-free strategy for process development of three-column periodic counter-current chromatography. <i>Journal of Chromatography A</i> , 2022, 1677, 463311.	1.8	7
13	Separation of truncated basic fibroblast growth factor from the full-length protein by hydrophobic interaction chromatography. <i>Separation and Purification Technology</i> , 2021, 254, 117564.	3.9	6
14	Advanced purification platform using circularly permuted caspase-2 for affinity fusion-tag removal to produce native fibroblast growth factor 2. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 1515-1522.	1.6	8
15	Economic and ecological benefits of a leaky <i>E. coli</i> strain for downstream processing: a case study for staphylococcal protein A. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 1667-1674.	1.6	1
16	Metal-Insulator Transition of Ultrathin Sputtered Metals on Phenolic Resin Thin Films: Growth Morphology and Relations to Surface Free Energy and Reactivity. <i>Nanomaterials</i> , 2021, 11, 589.	1.9	4
17	Media on-demand: Continuous reconstitution of a chemically defined media directly from solids. <i>Biotechnology and Bioengineering</i> , 2021, 118, 3382-3394.	1.7	4
18	Structured bottom section in inclined settlers for efficient continuous solid-liquid separation and washing of the solid fraction. <i>Separation and Purification Technology</i> , 2021, 259, 118142.	3.9	1

#	ARTICLE	IF	CITATIONS
19	A comprehensive antigen production and characterisation study for easy-to-implement, specific and quantitative SARS-CoV-2 serotests. <i>EBioMedicine</i> , 2021, 67, 103348.	2.7	34
20	Technology transfer of a monitoring system to predict product concentration and purity of biopharmaceuticals in real-time during chromatographic separation. <i>Biotechnology and Bioengineering</i> , 2021, 118, 3941-3952.	1.7	3
21	Protein-protein interactions and reduced excluded volume increase dynamic binding capacity of dual salt systems in hydrophobic interaction chromatography. <i>Journal of Chromatography A</i> , 2021, 1649, 462231.	1.8	4
22	Comparison of Protein A affinity resins for twin-column continuous capture processes: Process performance and resin characteristics. <i>Journal of Chromatography A</i> , 2021, 1654, 462454.	1.8	13
23	PROFICS: A bacterial selection system for directed evolution of proteases. <i>Journal of Biological Chemistry</i> , 2021, 297, 101095.	1.6	3
24	Change of charge variant composition of trastuzumab upon stressing at physiological conditions. <i>Journal of Chromatography A</i> , 2021, 1655, 462506.	1.8	15
25	Production of full-length SARS-CoV-2 nucleocapsid protein from <i>Escherichia coli</i> optimized by native hydrophobic interaction chromatography hyphenated to multi-angle light scattering detection. <i>Talanta</i> , 2021, 235, 122691.	2.9	6
26	Mid-manufacturing storage: Antibody stability after chromatography and precipitation based capture steps. <i>Biotechnology Progress</i> , 2020, 36, e2928.	1.3	2
27	Fractal dimension of antibody-PEG precipitate: Light microscopy for the reconstruction of 3D precipitate structures. <i>Engineering in Life Sciences</i> , 2020, 20, 67-78.	2.0	13
28	A narrow residence time incubation reactor for continuous virus inactivation based on packed beds. <i>New Biotechnology</i> , 2020, 55, 98-107.	2.4	15
29	Semi-automation of process analytics reduces operator effect. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 753-764.	1.7	10
30	Economics and ecology: Modelling of continuous primary recovery and capture scenarios for recombinant antibody production. <i>Journal of Biotechnology</i> , 2020, 308, 87-95.	1.9	36
31	Water related impact of energy: Cost and carbon footprint analysis of water for biopharmaceuticals from tap to waste. <i>Chemical Engineering Science: X</i> , 2020, 8, 100083.	1.5	3
32	In-situ gradient formation by direct solid addition of buffer components. <i>Journal of Chromatography A</i> , 2020, 1634, 461663.	1.8	7
33	Proteomics analysis of host cell proteins after immobilized metal affinity chromatography: Influence of ligand and metal ions. <i>Journal of Chromatography A</i> , 2020, 1633, 461649.	1.8	13
34	Production of Circularly Permuted Caspase-2 for Affinity Fusion-Tag Removal: Cloning, Expression in <i>Escherichia coli</i> , Purification, and Characterization. <i>Biomolecules</i> , 2020, 10, 1592.	1.8	22
35	Capture and purification of Human Immunodeficiency Virus-1 virus-like particles: Convective media vs porous beads. <i>Journal of Chromatography A</i> , 2020, 1627, 461378.	1.8	27
36	Hydrophobic interaction chromatography as polishing step enables obtaining ultra-pure recombinant antibodies. <i>Journal of Biotechnology</i> , 2020, 324, 100020.	1.9	6

#	ARTICLE	IF	CITATIONS
37	Separation of influenza virus-like particles from baculovirus by polymer-grafted anion exchanger. <i>Journal of Separation Science</i> , 2020, 43, 2270-2278.	1.3	15
38	Continuous capture of recombinant antibodies by ZnCl <sub>2</sub> precipitation without polyethylene glycol. <i>Engineering in Life Sciences</i> , 2020, 20, 265-274.	2.0	24
39	Scale up of a chromatographic capture step for a clarified bacterial homogenate – Influence of mass transport limitation and competitive adsorption of impurities. <i>Journal of Chromatography A</i> , 2020, 1618, 460856.	1.8	11
40	Truly continuous low pH viral inactivation for biopharmaceutical process integration. <i>Biotechnology and Bioengineering</i> , 2020, 117, 1406-1417.	1.7	31
41	Anything but Conventional Chromatography Approaches in Bioseparation. <i>Biotechnology Journal</i> , 2020, 15, e1900274.	1.8	47
42	Modeling the Residence Time Distribution of Integrated Continuous Bioprocesses. <i>Biotechnology Journal</i> , 2020, 15, e2000008.	1.8	25
43	A two-step process for capture and purification of human basic fibroblast growth factor from <i>E. coli</i> homogenate: Yield versus endotoxin clearance. <i>Protein Expression and Purification</i> , 2019, 153, 70-82.	0.6	23
44	Polymer-grafted chromatography media for the purification of enveloped virus-like particles, exemplified with HIV-1 gag VLP. <i>Vaccine</i> , 2019, 37, 7070-7080.	1.7	22
45	MicroPhase Separation within Epoxy Resin Yields Ultrathin Mesoporous Membranes with Increased Scalability by Conversion from Spin-to Dip-Coating Process. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1900321.	1.7	1
46	At-line multi-angle light scattering detector for faster process development in enveloped virus-like particle purification. <i>Journal of Separation Science</i> , 2019, 42, 2640-2649.	1.3	16
47	Continuous Solvent/Detergent Virus Inactivation Using a Packed-Bed Reactor. <i>Biotechnology Journal</i> , 2019, 14, 1800646.	1.8	17
48	Real-time monitoring and model-based prediction of purity and quantity during a chromatographic capture of fibroblast growth factor 2. <i>Biotechnology and Bioengineering</i> , 2019, 116, 1999-2009.	1.7	29
49	Dissecting peak broadening in chromatography columns under non-binding conditions. <i>Journal of Chromatography A</i> , 2019, 1599, 55-65.	1.8	14
50	Prediction of the Quantity and Purity of an Antibody Capture Process in Real Time. <i>Biotechnology Journal</i> , 2019, 14, e1800521.	1.8	25
51	Antibody Binding Heterogeneity of Protein A Resins. <i>Biotechnology Journal</i> , 2019, 14, 1800632.	1.8	7
52	Packing quality, protein binding capacity and separation efficiency of pre-packed columns ranging from 1 mL laboratory to 57 L industrial scale. <i>Journal of Chromatography A</i> , 2019, 1591, 79-86.	1.8	6
53	Calorimetry for studying the adsorption of proteins in hydrophobic interaction chromatography. <i>Preparative Biochemistry and Biotechnology</i> , 2019, 49, 1-20.	1.0	18
54	Osmolality is a predictor for model-based real time monitoring of concentration in protein chromatography. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 95, 1146.	1.6	8

#	ARTICLE	IF	CITATIONS
55	Separation of virus-like particles and extracellular vesicles by flow-through and heparin affinity chromatography. <i>Journal of Chromatography A</i> , 2019, 1588, 77-84.	1.8	70
56	Continuous integrated antibody precipitation with two-stage tangential flow microfiltration enables constant mass flow. <i>Biotechnology and Bioengineering</i> , 2019, 116, 1053-1065.	1.7	41
57	How Similar Is Biosimilar? A Comparison of Infiximab Therapeutics in Regard to Charge Variant Profile and Antigen Binding Affinity. <i>Biotechnology Journal</i> , 2019, 14, e1800340.	1.8	17
58	Continuous Virus Inactivation: How to Generate a Plug Flow. <i>Biotechnology Journal</i> , 2019, 14, e1800278.	1.8	12
59	The pearl necklace model in protein A chromatography: Molecular mechanisms at the resin interface. <i>Biotechnology and Bioengineering</i> , 2019, 116, 76-86.	1.7	12
60	Exosomes Enter Vaccine Development: Strategies Meeting Global Challenges of Emerging Infections. <i>Biotechnology Journal</i> , 2018, 13, e1700749.	1.8	16
61	Influence of cavitation and high shear stress on HSA aggregation behavior. <i>Engineering in Life Sciences</i> , 2018, 18, 169-178.	2.0	31
62	Conformational changes of antibodies upon adsorption onto hydrophobic interaction chromatography surfaces. <i>Journal of Chromatography A</i> , 2018, 1552, 60-66.	1.8	25
63	Impact of Cavitation, High Shear Stress and Air/Liquid Interfaces on Protein Aggregation. <i>Biotechnology Journal</i> , 2018, 13, e1800062.	1.8	86
64	Freely suspended perforated polymer nanomembranes for protein separations. <i>Scientific Reports</i> , 2018, 8, 4410.	1.6	18
65	Scalability of pre-packed preparative chromatography columns with different diameters and lengths taking into account extra column effects. <i>Journal of Chromatography A</i> , 2018, 1537, 66-74.	1.8	24
66	High-capacity protein A affinity chromatography for the fast quantification of antibodies: Two-wavelength detection expands linear range. <i>Journal of Separation Science</i> , 2018, 41, 1791-1797.	1.3	13
67	Temperature dependence of antibody adsorption in protein A affinity chromatography. <i>Journal of Chromatography A</i> , 2018, 1551, 59-68.	1.8	21
68	Microheterogeneity of Recombinant Antibodies: Analytics and Functional Impact. <i>Biotechnology Journal</i> , 2018, 13, 1700476.	1.8	62
69	Continuous cell flocculation for recombinant antibody harvesting. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1881-1890.	1.6	27
70	Anisotropic Assembly during Heat-Up: The Early Stage Hydrothermal Synthesis of TiO <sub>2</sub> from a Complexed Precursor. <i>ChemNanoMat</i> , 2018, 4, 1121-1124.	1.5	1
71	Antibody adsorption in protein A affinity chromatography – in situ measurement of nanoscale structure by small angle X-ray scattering. <i>Journal of Separation Science</i> , 2018, 41, 4122-4132.	1.3	11
72	Freestanding ultrathin films for separation of small molecules in an aqueous environment. <i>Journal of Biotechnology</i> , 2018, 288, 48-54.	1.9	4

#	ARTICLE	IF	CITATIONS
73	Prediction tool for loading, isocratic elution, gradient elution and scaling up of ion exchange chromatography of proteins. <i>Journal of Chromatography A</i> , 2018, 1566, 89-101.	1.8	18
74	Monolith affinity chromatography for the rapid quantification of a single-chain variable fragment immunotoxin. <i>Journal of Separation Science</i> , 2018, 41, 3051-3059.	1.3	5
75	Hydrophobic interaction chromatography of proteins: Studies of unfolding upon adsorption by isothermal titration calorimetry. <i>Journal of Separation Science</i> , 2018, 41, 3069-3080.	1.3	14
76	Quantification and characterization of virus-like particles by size-exclusion chromatography and nanoparticle tracking analysis. <i>Journal of Chromatography A</i> , 2017, 1487, 89-99.	1.8	51
77	Continuous desalting of refolded protein solution improves capturing in ion exchange chromatography: A seamless process. <i>Biotechnology Journal</i> , 2017, 12, 1700082.	1.8	13
78	Column-to-column packing variation of disposable pre-packed columns for protein chromatography. <i>Journal of Chromatography A</i> , 2017, 1527, 70-79.	1.8	13
79	Small cause, large effect: Structural characterization of cutinases from <i>Thermobifida cellulolytica</i> . <i>Biotechnology and Bioengineering</i> , 2017, 114, 2481-2488.	1.7	56
80	Separation of HIV-1 gag virus-like particles from vesicular particles impurities by hydroxyl-functionalized monoliths. <i>Journal of Separation Science</i> , 2017, 40, 979-990.	1.3	20
81	Real-time monitoring of protein precipitation in a tubular reactor for continuous bioprocessing. <i>Process Biochemistry</i> , 2016, 51, 1610-1621.	1.8	11
82	Microheterogeneity of therapeutic monoclonal antibodies is governed by changes in the surface charge of the protein. <i>Biotechnology Journal</i> , 2016, 11, 1617-1627.	1.8	48
83	Purification of HIV-1 gag virus-like particles and separation of other extracellular particles. <i>Journal of Chromatography A</i> , 2016, 1455, 93-101.	1.8	66
84	Trend analysis of performance parameters of pre-packed columns for protein chromatography over a time span of ten years. <i>Journal of Chromatography A</i> , 2016, 1465, 63-70.	1.8	12
85	Mixing at the microscale: Power input in shaken microtiter plates. <i>Biotechnology Journal</i> , 2016, 11, 1539-1549.	1.8	16
86	Protein adsorption onto nanoparticles induces conformational changes: Particle size dependency, kinetics, and mechanisms. <i>Engineering in Life Sciences</i> , 2016, 16, 238-246.	2.0	133
87	Charge heterogeneity: Basic antibody charge variants with increased binding to Fc receptors. <i>MAbs</i> , 2016, 8, 1548-1560.	2.6	84
88	New flavonoids from the underground parts of <i>Eriosema laurentii</i> . <i>Phytochemistry Letters</i> , 2016, 18, 144-149.	0.6	3
89	Continuous polyethylene glycol precipitation of recombinant antibodies: Sequential precipitation and resolubilization. <i>Process Biochemistry</i> , 2016, 51, 325-332.	1.8	69
90	Pumpkin seed extract: Cell growth inhibition of hyperplastic and cancer cells, independent of steroid hormone receptors. <i>FÄ-toterapÄ-C</i> , 2016, 110, 150-156.	1.1	55

#	ARTICLE	IF	CITATIONS
91	High production in <i>E. coli</i> of biologically active recombinant human fibroblast growth factor 20 and its neuroprotective effects. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 3023-3034.	1.7	12
92	Globular Head-Displayed Conserved Influenza H1 Hemagglutinin Stalk Epitopes Confer Protection against Heterologous H1N1 Virus. <i>PLoS ONE</i> , 2016, 11, e0153579.	1.1	19
93	Editorial: <i>Biotechnology Journal</i> brings more than biotechnology. <i>Biotechnology Journal</i> , 2015, 10, 1663-1665.	1.8	0
94	Continuous precipitation of IgG from CHO cell culture supernatant in a tubular reactor. <i>Biotechnology Journal</i> , 2015, 10, 1196-1205.	1.8	57
95	A microscale method of protein extraction from bacteria: Interaction of <i>Escherichia coli</i> with cationic microparticles. <i>Journal of Biotechnology</i> , 2015, 207, 21-29.	1.9	7
96	The 3D pore structure and fluid dynamics simulation of macroporous monoliths: High permeability due to alternating channel width. <i>Journal of Chromatography A</i> , 2015, 1425, 141-149.	1.8	37
97	Design of industrial crystallization of interferon gamma: Phase diagrams and solubility curves. <i>Chemical Engineering Science</i> , 2015, 126, 341-348.	1.9	15
98	Editorial: Methods and Advances “Biotech progress for science and our daily lives. <i>Biotechnology Journal</i> , 2015, 10, 3-4.	1.8	1
99	Buffer recycling in downstream processing of biologics. <i>Current Opinion in Chemical Engineering</i> , 2015, 10, 1-7.	3.8	12
100	Engineering batch and pulse refolding with transition of aggregation kinetics: An investigation using green fluorescent protein (GFP). <i>Chemical Engineering Science</i> , 2015, 131, 91-100.	1.9	7
101	Red clover isoflavone metabolite bioavailability is decreased after fructooligosaccharide supplementation. <i>FÄ-toterapÄ-Äç</i> , 2015, 105, 93-101.	1.1	12
102	Design and optimization of protein refolding with crossflow ultrafiltration. <i>Chemical Engineering Science</i> , 2015, 130, 290-300.	1.9	9
103	Enhanced Cutinase-Catalyzed Hydrolysis of Polyethylene Terephthalate by Covalent Fusion to Hydrophobins. <i>Applied and Environmental Microbiology</i> , 2015, 81, 3586-3592.	1.4	149
104	Introduction. <i>Vaccine</i> , 2015, 33, 5889.	1.7	0
105	Capture and intermediate purification of recombinant antibodies with combined precipitation methods. <i>Biochemical Engineering Journal</i> , 2015, 93, 200-211.	1.8	37
106	Separation of recombinant antibodies from DNA using divalent cations. <i>Engineering in Life Sciences</i> , 2014, 14, 477-484.	2.0	9
107	Editorial: Latest methods and advances in biotechnology. <i>Biotechnology Journal</i> , 2014, 9, 2-4.	1.8	2
108	Preparative crystallization of a single chain antibody using an aqueous two-phase system. <i>Biotechnology and Bioengineering</i> , 2014, 111, 2192-2199.	1.7	15

#	ARTICLE	IF	CITATIONS
109	Prediction of inclusion body solubilization from shaken to stirred reactors. <i>Biotechnology and Bioengineering</i> , 2014, 111, 84-94.	1.7	14
110	Editorial: Biotechnology as an enabling technology and much more. <i>Biotechnology Journal</i> , 2014, 9, 991-992.	1.8	0
111	Highly linear pH gradients for analyzing monoclonal antibody charge heterogeneity in the alkaline range: Validation of the method parameters. <i>Journal of Chromatography A</i> , 2014, 1373, 124-130.	1.8	30
112	Continuous separation of protein loaded nanoparticles by simulated moving bed chromatography. <i>Journal of Chromatography A</i> , 2014, 1349, 44-49.	1.8	20
113	Continuous processing of recombinant proteins: Integration of refolding and purification using simulated moving bed size-exclusion chromatography with buffer recycling. <i>Journal of Chromatography A</i> , 2014, 1337, 48-56.	1.8	51
114	Integrated continuous dissolution, refolding and tag removal of fusion proteins from inclusion bodies in a tubular reactor. <i>Journal of Biotechnology</i> , 2014, 185, 39-50.	1.9	12
115	Ethanol precipitation for purification of recombinant antibodies. <i>Journal of Biotechnology</i> , 2014, 188, 17-28.	1.9	49
116	Combined polyethylene glycol and CaCl <sub>2</sub> precipitation for the capture and purification of recombinant antibodies. <i>Process Biochemistry</i> , 2014, 49, 2001-2009.	1.8	44
117	Lupinalbin A as the most potent estrogen receptor $\hat{\pm}$ and aryl hydrocarbon receptor agonist in <i>Eriosema laurentii</i> de Wild. (Leguminosae). <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 294.	3.7	13
118	Economics of recombinant antibody production processes at various scales: Industry's standard compared to continuous precipitation. <i>Biotechnology Journal</i> , 2014, 9, 766-775.	1.8	108
119	Surfaces Energies of Monoliths by Inverse Liquid Chromatography and Contact Angles. <i>Langmuir</i> , 2014, 30, 5435-5440.	1.6	9
120	Getting ready for PAT: Scale up and inline monitoring of protein refolding of Npro fusion proteins. <i>Process Biochemistry</i> , 2014, 49, 1113-1121.	1.8	27
121	Continuous protein refolding in a tubular reactor. <i>Chemical Engineering Science</i> , 2014, 116, 763-772.	1.9	17
122	Phytoestrogens and the metabolic syndrome. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014, 139, 277-289.	1.2	98
123	Effect of nonpersistent pesticides on estrogen receptor, androgen receptor, and aryl hydrocarbon receptor. <i>Environmental Toxicology</i> , 2014, 29, 1201-1216.	2.1	56
124	Continuous downstream processing of biopharmaceuticals. <i>Trends in Biotechnology</i> , 2013, 31, 479-492.	4.9	275
125	Liquid Formulations for Long-Term Storage of Monoclonal IgGs. <i>Applied Biochemistry and Biotechnology</i> , 2013, 169, 1431-1448.	1.4	18
126	Purification of infective baculoviruses by monoliths. <i>Journal of Chromatography A</i> , 2013, 1290, 36-45.	1.8	37



#	ARTICLE	IF	CITATIONS
127	Continuous processing of recombinant proteins: Integration of inclusion body solubilization and refolding using simulated moving bed size exclusion chromatography with buffer recycling. <i>Journal of Chromatography A</i> , 2013, 1319, 107-117.	1.8	26
128	Highly linear pH gradients for analyzing monoclonal antibody charge heterogeneity in the alkaline range. <i>Journal of Chromatography A</i> , 2013, 1319, 65-71.	1.8	45
129	Liquid Formulations for Stabilizing IgMs During Physical Stress and Long-Term Storage. <i>Pharmaceutical Research</i> , 2013, 30, 735-750.	1.7	20
130	Editorial: Biotech methods and advances. <i>Biotechnology Journal</i> , 2013, 8, 2-3.	1.8	3
131	Mechanism and model for solubilization of inclusion bodies. <i>Chemical Engineering Science</i> , 2013, 101, 631-641.	1.9	13
132	<i>Eriosema laurentii</i> De Wild (Leguminosae) methanol extract has estrogenic properties and prevents menopausal symptoms in ovariectomized Wistar rats. <i>Journal of Ethnopharmacology</i> , 2013, 150, 298-307.	2.0	20
133	Autoprotease Npro: Analysis of self-cleaving fusion protein. <i>Journal of Chromatography A</i> , 2013, 1304, 92-100.	1.8	4
134	Pomegranate: a fruit that ameliorates metabolic syndrome. <i>Food and Function</i> , 2013, 4, 19-39.	2.1	114
135	Host cell protein analysis in therapeutic protein bioprocessing – methods and applications. <i>Biotechnology Journal</i> , 2013, 8, 655-670.	1.8	94
136	Validation of the modified hemagglutination inhibition assay (mHAI), a robust and sensitive serological test for analysis of influenza virus-specific immune response. <i>Journal of Clinical Virology</i> , 2013, 56, 323-330.	1.6	15
137	Meeting report: 8thHIC/RPC Bioseparation Conference. <i>Biotechnology Journal</i> , 2013, 8, 639-640.	1.8	1
138	Endocrine Disruptors Fludioxonil and Fenhexamid Stimulate miR-21 Expression in Breast Cancer Cells. <i>Toxicological Sciences</i> , 2013, 131, 71-83.	1.4	44
139	Editorial: ESBES – European Society of Biochemical Engineering Sciences. <i>Biotechnology Journal</i> , 2013, 8, 634-635.	1.8	5
140	Spore germination of <i>Trichoderma atroviride</i> is inhibited by its <i>lysM</i> protein <i>TAL6</i> . <i>FEBS Journal</i> , 2013, 280, 1226-1236.	2.2	68
141	Editorial: Flavors of international biotechnology. <i>Biotechnology Journal</i> , 2013, 8, 754-755.	1.8	3
142	Biomimetic Synthesis and Analytics of the Human aryl Hydrocarbon Receptor Agonist 1-(furan-2-yl)-2-(1H-indol-3-yl)ethanone, and its 1-(thiophen-2-yl) and 1-(pyrrol-2-yl) Analogues. <i>Current Organic Chemistry</i> , 2013, 17, 2349-2358.	0.9	1
143	Synthesis of 2-(Indol-3-yl)-ethanone-based Arylhydrocarbon Receptor Agonist Candidates via Weinreb Amides of Indole-3-acetic Acid.. <i>Current Organic Synthesis</i> , 2013, 10, 812-818.	0.7	1
144	Mild Friedel-Crafts Acylation of Furan with Carboxylic Acids and the Heterogeneous Catalyst Couple AlPW12O40 / Mg(OH)2. <i>Current Organic Chemistry</i> , 2012, 16, 2739-2744.	0.9	3

#	ARTICLE	IF	CITATIONS
145	Nano-coating protects biofunctional materials. <i>Materials Today</i> , 2012, 15, 394-404.	8.3	14
146	Editorial: Biotechnology's impact on sustainable development. <i>Biotechnology Journal</i> , 2012, 7, 1317-1317.	1.8	1
147	Editorial: Biopharmaceuticals – discovery, development and manufacturing. <i>Biotechnology Journal</i> , 2012, 7, 1422-1423.	1.8	6
148	Protein precipitation by polyethylene glycol: A generalized model based on hydrodynamic radius. <i>Journal of Biotechnology</i> , 2012, 157, 315-319.	1.9	78
149	Anti-inflammatory properties of culinary herbs and spices that ameliorate the effects of metabolic syndrome. <i>Maturitas</i> , 2012, 71, 227-239.	1.0	105
150	Selective Removal of Undifferentiated Human Embryonic Stem Cells Using Magnetic Activated Cell Sorting Followed by a Cytotoxic Antibody. <i>Tissue Engineering - Part A</i> , 2012, 18, 899-909.	1.6	63
151	Editorial: The latest in imaging technology. <i>Biotechnology Journal</i> , 2012, 7, 585-585.	1.8	1
152	Surface energies of hydrophobic interaction chromatography media by inverse liquid chromatography. <i>Journal of Chromatography A</i> , 2012, 1220, 115-121.	1.8	9
153	Editorial: Breaking down the walls to achieve interdisciplinary science and engineering. <i>Biotechnology Journal</i> , 2012, 7, 4-5.	1.8	2
154	Branched polyethylene glycol for protein precipitation. <i>Biotechnology and Bioengineering</i> , 2012, 109, 736-746.	1.7	42
155	Red clover and soy isoflavones – an <i>in vitro</i> safety assessment. <i>Gynecological Endocrinology</i> , 2011, 27, 1037-1042.	0.7	18
156	PPAR $\alpha$ Activation by Culinary Herbs and Spices. <i>Planta Medica</i> , 2011, 77, 497-504.	0.7	42
157	Red wine: A source of potent ligands for peroxisome proliferator-activated receptor $\beta$ . <i>Food and Function</i> , 2011, 2, 28-38.	2.1	29
158	Atomistic Structure of Monomolecular Surface Layer Self-Assemblies: Toward Functionalized Nanostructures. <i>ACS Nano</i> , 2011, 5, 2288-2297.	7.3	26
159	Estrogen-like effects of wine extracts on nitric oxide synthesis in human endothelial cells. <i>Maturitas</i> , 2011, 70, 169-175.	1.0	21
160	Editorial: Improved products and processes through biochemical engineering science. <i>Biotechnology Journal</i> , 2011, 6, 362-363.	1.8	4
161	Monolith peptide affinity chromatography for quantification of immunoglobulin M. <i>Journal of Chromatography A</i> , 2011, 1218, 2374-2380.	1.8	21
162	Indolyfuran, a potent aryl hydrocarbon receptor agonist from sauerkraut, interacts with the oestrogen pathway. <i>Food Chemistry</i> , 2011, 127, 1764-1772.	4.2	4

#	ARTICLE	IF	CITATIONS
163	Phytoestrogens and their Putative Effects on the Aryl Hydrocarbon Receptor. <i>Current Bioactive Compounds</i> , 2011, 7, 136-155.	0.2	3
164	Red clover extract. <i>Menopause</i> , 2010, 17, 379-387.	0.8	48
165	Stem cell separation: A bottleneck in stem cell therapy. <i>Biotechnology Journal</i> , 2010, 5, 50-61.	1.8	45
166	Technical refolding of proteins: Do we have freedom to operate?. <i>Biotechnology Journal</i> , 2010, 5, 547-559.	1.8	92
167	Editorial: Transgenic crops and plant biotechnology. <i>Biotechnology Journal</i> , 2010, 5, 135-135.	1.8	0
168	Editorial: Biocommodities for day-to-day life. <i>Biotechnology Journal</i> , 2010, 5, 1001-1001.	1.8	0
169	Editorial: A big "thank you" to Barbara. <i>Biotechnology Journal</i> , 2010, 5, 1247-1247.	1.8	1
170	Two-dimensional difference fluorescence gel electrophoresis to verify the scale-up of a non-affinity-based downstream process for isolation of a therapeutic recombinant antibody. <i>Electrophoresis</i> , 2010, 31, 1862-1872.	1.3	12
171	Adsorption of plasmid DNA on ceramic hydroxyapatite chromatographic materials. <i>Journal of Separation Science</i> , 2010, 33, 3125-3136.	1.3	9
172	Hydrophobic interaction chromatography of proteins: Thermodynamic analysis of conformational changes. <i>Journal of Chromatography A</i> , 2010, 1217, 184-190.	1.8	63
173	Matrix-assisted refolding of autoprotease fusion proteins on an ion exchange column: A kinetic investigation. <i>Journal of Chromatography A</i> , 2010, 1217, 5950-5956.	1.8	13
174	Peptide affinity chromatography media that bind Npro fusion proteins under chaotropic conditions. <i>Journal of Chromatography A</i> , 2010, 1217, 6203-6213.	1.8	7
175	Anti-inflammatory activity of extracts from fruits, herbs and spices. <i>Food Chemistry</i> , 2010, 122, 987-996.	4.2	359
176	Potential Health-modulating Effects of Isoflavones and Metabolites via Activation of PPAR and AhR. <i>Nutrients</i> , 2010, 2, 241-279.	1.7	62
177	Surface layer protein characterization by small angle x-ray scattering and a fractal mean force concept: From protein structure to nanodisk assemblies. <i>Journal of Chemical Physics</i> , 2010, 133, 175102.	1.2	18
178	NproAutoprotease Fusion Technology: Development, Characteristics, and Influential Factors. <i>Separation Science and Technology</i> , 2010, 45, 2194-2209.	1.3	10
179	Estradiol regulates aryl hydrocarbon receptor expression in the rat uterus. <i>Molecular and Cellular Endocrinology</i> , 2010, 321, 253-257.	1.6	19
180	An immunoaffinity column with a monoclonal antibody as ligand for human follicle stimulating hormone. <i>Journal of Separation Science</i> , 2009, 32, 1585-1591.	1.3	6

#	ARTICLE	IF	CITATIONS
181	Refolding of N <sup>pro</sup> fusion proteins. <i>Biotechnology and Bioengineering</i> , 2009, 104, 774-784.	1.7	30
182	Fluorescence-based peptide screening using ligand peptides directly conjugated to a thiolated glass surface. <i>Biomedical Microdevices</i> , 2009, 11, 663-669.	1.4	6
183	Culinary plants, herbs and spices – A rich source of PPAR <sup>β</sup> ligands. <i>Food Chemistry</i> , 2009, 117, 660-667.	4.2	43
184	Adsorption of pDNA on microparticulate charged surface. <i>Journal of Biotechnology</i> , 2009, 141, 47-57.	1.9	13
185	EDDIE fusion proteins: Triggering autoproteolytic cleavage. <i>Process Biochemistry</i> , 2009, 44, 1217-1224.	1.8	18
186	High-performance monolith affinity chromatography for fast quantitation of immunoglobulin G. <i>Journal of Chromatography A</i> , 2009, 1216, 2676-2682.	1.8	46
187	Adaptation of hybridomas to protein-free media results in a simplified two-step immunoglobulin M purification process. <i>Journal of Chromatography A</i> , 2009, 1216, 2683-2688.	1.8	9
188	Binding site and elution behavior of DNA and other large biomolecules in monolithic anion-exchange chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 2616-2620.	1.8	21
189	Two-dimensional fluorescence difference gel electrophoresis for comparison of affinity and non-affinity based downstream processing of recombinant monoclonal antibody. <i>Journal of Chromatography A</i> , 2009, 1216, 4902-4912.	1.8	13
190	Engineering properties of a camelid antibody affinity sorbent for Immunoglobulin G purification. <i>Journal of Chromatography A</i> , 2009, 1216, 5548-5556.	1.8	16
191	Engineering of a two-step purification strategy for a panel of monoclonal immunoglobulin M directed against undifferentiated human embryonic stem cells. <i>Journal of Chromatography A</i> , 2009, 1216, 7851-7864.	1.8	21
192	Construction and development of a new single-column simulated moving bed system on the laboratory scale. <i>Journal of Chromatography A</i> , 2009, 1216, 8778-8786.	1.8	8
193	Matrix-assisted refolding of autoprotease fusion proteins on an ion exchange column. <i>Journal of Chromatography A</i> , 2009, 1216, 8460-8469.	1.8	14
194	Peroxisome proliferator-activated receptor <sup>β</sup> is constitutively activated in yeast. <i>Analytical Biochemistry</i> , 2009, 385, 365-367.	1.1	7
195	High-throughput system for determining dissolution kinetics of inclusion bodies. <i>Biotechnology Journal</i> , 2009, 4, 722-729.	1.8	12
196	Editorial: Biotech in the financial crisis. <i>Biotechnology Journal</i> , 2009, 4, 1095-1095.	1.8	0
197	Editorial: Biochemical engineering. <i>Biotechnology Journal</i> , 2009, 4, 571-571.	1.8	1
198	2-D DIGE to expedite downstream process development for human monoclonal antibody purification. <i>Protein Expression and Purification</i> , 2009, 66, 58-65.	0.6	47

#	ARTICLE	IF	CITATIONS
199	Chapter 22 Ion-Exchange Chromatography. <i>Methods in Enzymology</i> , 2009, 463, 349-371.	0.4	68
200	Isoflavones are safe compounds for therapeutical applications – Evaluation of <i>in vitro</i> data. <i>Gynecological Endocrinology</i> , 2009, 25, 554-580.	0.7	27
201	Comparison of hormonal activity of isoflavone-containing supplements used to treat menopausal complaints. <i>Menopause</i> , 2009, 16, 1049-1060.	0.8	27
202	Adsorption of plasmid DNA on anion exchange chromatography media. <i>Journal of Separation Science</i> , 2008, 31, 2605-2618.	1.3	39
203	Generation of bioactive peptides by biological libraries. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 861, 160-170.	1.2	13
204	Androgen receptor transactivation assay using green fluorescent protein as a reporter. <i>Analytical Biochemistry</i> , 2008, 373, 263-271.	1.1	26
205	Polymethacrylate monoliths for preparative and industrial separation of biomolecular assemblies. <i>Journal of Chromatography A</i> , 2008, 1184, 62-79.	1.8	201
206	Hydrophobic interaction chromatography of proteins. <i>Journal of Chromatography A</i> , 2008, 1198-1199, 154-163.	1.8	63
207	Hand in hand for a global outreach. <i>Biotechnology Journal</i> , 2008, 3, 565-565.	1.8	0
208	Editorial: Antibodies and other biopharmaceuticals. <i>Biotechnology Journal</i> , 2008, 3, 1103-1103.	1.8	0
209	Editorial: Between molecular and macroscopic protein engineering. <i>Biotechnology Journal</i> , 2008, 3, 143-143.	1.8	0
210	Editorial: Waste biotech. <i>Biotechnology Journal</i> , 2008, 3, 831-831.	1.8	0
211	Angiotensin inhibition stimulates PPAR $\beta$ and the release of visfatin. <i>European Journal of Clinical Investigation</i> , 2008, 38, 820-826.	1.7	56
212	Oregano: A Source for Peroxisome Proliferator-Activated Receptor $\beta$ Antagonists. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 11621-11630.	2.4	81
213	Effect of mycorrhization on the isoflavone content and the phytoestrogen activity of red clover. <i>Journal of Plant Physiology</i> , 2008, 165, 1161-1167.	1.6	45
214	Red clover isoflavones biochanin A and formononetin are potent ligands of the human aryl hydrocarbon receptor. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2008, 108, 171-177.	1.2	93
215	Receptor binding and transactivation activities of red clover isoflavones and their metabolites. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2008, 112, 87-94.	1.2	69
216	Yeast cell surface display system for determination of humoral response to active immunization with a monoclonal antibody against EpCAM. <i>Journal of Proteomics</i> , 2008, 70, 1109-1115.	2.4	2

#	ARTICLE	IF	CITATIONS
217	Red clover extract. Menopause, 2008, 15, 1120-1131.	0.8	42
218	Screening of ACE-inhibitory peptides from a random peptide-displayed phage library using ACE-coupled liposomes. Journal of Biotechnology, 2007, 131, 144-149.	1.9	12
219	Advances in biochemical engineering science. Journal of Biotechnology, 2007, 132, 97-98.	1.9	5
220	Current status of technical protein refolding. Journal of Biotechnology, 2007, 128, 587-596.	1.9	164
221	Peptides derived from a secretory yeast library restore factor VIII activity in the presence of an inhibitory antibody. Biotechnology and Bioengineering, 2007, 98, 12-21.	1.7	5
222	Bioanalysis. Electrophoresis, 2007, 28, 1849-1850.	1.3	0
223	Hydrophobic interaction chromatography of proteins IV. Journal of Chromatography A, 2007, 1139, 84-94.	1.8	61
224	Retention studies of DNA on anion-exchange monolith chromatography. Journal of Chromatography A, 2007, 1144, 155-160.	1.8	49
225	Npro fusion technology to produce proteins with authentic N termini in E. coli. Nature Methods, 2007, 4, 1037-1043.	9.0	108
226	Dispersion effects in preparative polymethacrylate monoliths operated in radial-flow columns. Journal of Proteomics, 2007, 70, 87-94.	2.4	24
227	Generic method for quantification of FLAG-tagged fusion proteins by a real time biosensor. Journal of Proteomics, 2007, 70, 555-563.	2.4	5
228	Identification of a ligand for IgG-Fc derived from a soluble peptide library based on fusion proteins secreted by S. cerevisiae. Biotechnology Journal, 2007, 2, 672-677.	1.8	3
229	Editorial: Biopharmaceutical Technologies. Biotechnology Journal, 2007, 2, 647-647.	1.8	2
230	Comparison of protein A affinity sorbents III. Life time study. Journal of Chromatography A, 2006, 1102, 224-231.	1.8	118
231	Chromatographic and electrophoretic characterization of protein variants. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2006, 841, 110-122.	1.2	52
232	Protein bioengineering. Biotechnology Journal, 2006, 1, 26-27.	1.8	0
233	About the cover: The Zbasic protein tag. Biotechnology Journal, 2006, 1, 113-113.	1.8	2
234	Editorial: The art of bioprocessing. Biotechnology Journal, 2006, 1, 111-111.	1.8	2

#	ARTICLE	IF	CITATIONS
235	Effects of ultra-/diafiltration conditions on present aggregates in human immunoglobulin G preparations. <i>Journal of Membrane Science</i> , 2006, 274, 108-115.	4.1	25
236	Evaluation of a sensitive detection method for peptide arrays prepared by SPOT synthesis. <i>Journal of Proteomics</i> , 2006, 66, 45-57.	2.4	14
237	Thermodynamic stability and formation of aggregates of human immunoglobulin G characterised by differential scanning calorimetry and dynamic light scattering. <i>Journal of Proteomics</i> , 2006, 66, 73-86.	2.4	75
238	Mapping of FVIII inhibitor epitopes using cellulose-bound synthetic peptide arrays. <i>Journal of Immunological Methods</i> , 2006, 308, 90-100.	0.6	23
239	Peptide arrays for the determination of humoral responses induced by active immunization with a monoclonal antibody against EpCAM. <i>Journal of Immunological Methods</i> , 2006, 317, 114-125.	0.6	4
240	Effect of oriented or random PEGylation on bioactivity of a factor VIII inhibitor blocking peptide. <i>Biotechnology and Bioengineering</i> , 2006, 93, 647-655.	1.7	15
241	Chromatographic media for bioseparation. <i>Journal of Chromatography A</i> , 2005, 1065, 3-12.	1.8	229
242	Refolding of proteins in a CSTR. <i>Chemical Engineering Science</i> , 2005, 60, 5770-5780.	1.9	18
243	In situ determination of adsorption kinetics of proteins in a finite bath. <i>Journal of Chromatography A</i> , 2005, 1069, 23-30.	1.8	11
244	Application of monoliths for plasmid DNA purification. <i>Journal of Chromatography A</i> , 2005, 1065, 93-106.	1.8	156
245	Continuous matrix assisted refolding of $\alpha$ -lactalbumin by ion exchange chromatography with recycling of aggregates combined with ultrafiltration. <i>Journal of Chromatography A</i> , 2005, 1080, 29-42.	1.8	26
246	Hydrophobic interaction chromatography of proteins. <i>Journal of Chromatography A</i> , 2005, 1079, 221-228.	1.8	135
247	Comparison of protein A affinity sorbents. <i>Journal of Chromatography A</i> , 2005, 1093, 98-110.	1.8	151
248	GFP-reporter for a high throughput assay to monitor estrogenic compounds. <i>Journal of Proteomics</i> , 2005, 64, 19-37.	2.4	30
249	Continuous Matrix-assisted Refolding of Inclusion-body Proteins: Effect of Recycling. <i>Chemical Engineering and Technology</i> , 2005, 28, 1375-1386.	0.9	14
250	Shallow Bed Adsorption: Theoretical Background and Applications. <i>Chemical Engineering and Technology</i> , 2005, 28, 1241-1251.	0.9	19
251	Preparative Chromatography. <i>Chemical Engineering and Technology</i> , 2005, 28, 1237-1237.	0.9	1
252	Combinatorial peptides directed to inhibitory antibodies against human blood clotting factor VIII. <i>Thrombosis and Haemostasis</i> , 2005, 94, 933-941.	1.8	14

#	ARTICLE	IF	CITATIONS
253	Matrix assisted refolding of proteins by ion exchange chromatography. <i>Journal of Biotechnology</i> , 2005, 117, 83-97.	1.9	40
254	Phytoestrogens derived from red clover: An alternative to estrogen replacement therapy?. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2005, 94, 499-518.	1.2	215
255	Detection of aggregate formation during production of human immunoglobulin G by means of light scattering. <i>Journal of Chromatography A</i> , 2004, 1043, 41-46.	1.8	32
256	Performance and characterization of a nanophased porous hydroxyapatite for protein chromatography. <i>Biotechnology and Bioengineering</i> , 2004, 87, 364-375.	1.7	74
257	Mass transfer characteristics of plasmids in monoliths. <i>Journal of Separation Science</i> , 2004, 27, 819-827.	1.3	70
258	Monoliths for fast bioseparation and bioconversion and their applications in biotechnology. <i>Journal of Separation Science</i> , 2004, 27, 767-778.	1.3	160
259	Solid Phase Synthesis and Auxiliaries for Combinatorial Chemistry. <i>ChemInform</i> , 2004, 35, no.	0.1	0
260	Folding and refolding of proteins in chromatographic beds. <i>Current Opinion in Biotechnology</i> , 2004, 15, 487-494.	3.3	132
261	Chapter 16 Chromatography of proteins. <i>Journal of Chromatography Library</i> , 2004, 69, 669-737.	0.1	6
262	Use of monolithic sorbents modified by directly synthesized peptides for affinity separation of recombinant tissue plasminogen activator (t-PA). <i>Journal of Biotechnology</i> , 2004, 107, 275-284.	1.9	37
263	Engineering protein A affinity chromatography. <i>Current Opinion in Drug Discovery &amp; Development</i> , 2004, 7, 248-56.	1.9	10
264	Analysis of aggregates of human immunoglobulin G using size-exclusion chromatography, static and dynamic light scattering. <i>Journal of Chromatography A</i> , 2003, 1009, 89-96.	1.8	84
265	Complex formation of a calcium-dependent antibody: A thermodynamical consideration. <i>Journal of Chromatography A</i> , 2003, 1009, 81-87.	1.8	8
266	Comparison of reversed-phase liquid chromatography and hydrophilic interaction/cation-exchange chromatography for the separation of amphipathic $\alpha$ -helical peptides with l- and d-amino acid substitutions in the hydrophilic face. <i>Journal of Chromatography A</i> , 2003, 1009, 61-71.	1.8	35
267	Hydrophobic interaction chromatography of proteins. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 790, 99-114.	1.2	65
268	Comparison of protein A affinity sorbents. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 790, 35-51.	1.2	221
269	Continuous matrix-assisted refolding of proteins. <i>Journal of Chromatography A</i> , 2003, 1009, 119-132.	1.8	56
270	Whey proteins as a model system for chromatographic separation of proteins. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 790, 161-173.	1.2	75



#	ARTICLE	IF	CITATIONS
271	Directed Immobilization of Peptide Ligands to Accessible Pore Sites by Conjugation with a Placeholder Molecule. <i>Analytical Chemistry</i> , 2003, 75, 543-548.	3.2	34
272	Estrogenic Activity in White and Red Wine Extracts. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 1850-1857.	2.4	79
273	Kinetic analysis of estrogen receptor homo- and heterodimerization in vitro. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2003, 84, 141-148.	1.2	33
274	Comparison of hormonal activity (estrogen, androgen and progestin) of standardized plant extracts for large scale use in hormone replacement therapy. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2003, 84, 259-268.	1.2	136
275	Large Scale Separations. <i>Journal of Chromatography Library</i> , 2003, , 561-599.	0.1	3
276	Catalysts and Enzyme Reactors. <i>Journal of Chromatography Library</i> , 2003, 67, 699-724.	0.1	3
277	Solid Phase Synthesis and Auxiliaries for Combinatorial Chemistry. <i>Journal of Chromatography Library</i> , 2003, , 725-743.	0.1	1
278	Mass transfer properties of monoliths. <i>Separation Science and Technology</i> , 2002, 37, 1545-1565.	1.3	91
279	Two separation modes combined in one column: sequential ion-exchange separation and size-exclusion chromatography of green fluorescent protein. <i>Separation Science and Technology</i> , 2002, 37, 1683-1697.	1.3	7
280	Direct Synthesis of Peptides on Convective Interaction Media Monolithic Columns for Affinity Chromatography. <i>ACS Combinatorial Science</i> , 2002, 4, 33-37.	3.3	33
281	Expression and Purification of Homogenous Proteins in <i>Saccharomyces cerevisiae</i> Based on Ubiquitin-FLAG Fusion. <i>Protein Expression and Purification</i> , 2002, 24, 497-504.	0.6	38
282	Recombinant autofluorescent landmarks for standardization of electrophoretic migration of proteins. <i>Electrophoresis</i> , 2002, 23, 1146-1152.	1.3	6
283	Screening for peptide affinity ligands on CIM monoliths. <i>Biotechnology and Bioengineering</i> , 2002, 79, 733-740.	1.7	28
284	Preparative continuous annular chromatography (P-CAC), a review. <i>Bioprocess and Biosystems Engineering</i> , 2002, 25, 129-140.	1.7	30
285	Mutational analysis of a blood coagulation factor VIII-binding peptide. <i>Chemical Biology and Drug Design</i> , 2002, 59, 174-182.	1.2	32
286	Yeast reporter system for rapid determination of estrogenic activity. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 777, 167-178.	1.2	35
287	Hydrophobic interaction chromatography of proteins. <i>Journal of Chromatography A</i> , 2002, 972, 3-19.	1.8	80
288	Continuous purification of a clotting factor IX concentrate and continuous regeneration by preparative annular chromatography. <i>Journal of Chromatography A</i> , 2002, 972, 115-129.	1.8	15

#	ARTICLE	IF	CITATIONS
289	Transmembrane-Sequence-Dependent Overexpression and Secretion of Glycoproteins in <i>Saccharomyces cerevisiae</i> . <i>Protein Expression and Purification</i> , 2001, 21, 1-7.	0.6	9
290	The FLAG <sub>3</sub> peptide, a versatile fusion tag for the purification of recombinant proteins. <i>Journal of Proteomics</i> , 2001, 49, 455-465.	2.4	363
291	Estrogenic activity of two standardized red clover extracts (Menoflavon <sup>®</sup> ) intended for large scale use in hormone replacement therapy. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2001, 78, 67-75.	1.2	95
292	Adsorption isotherms of 17 $\beta$ -estradiol on granular activated carbon (GAC). <i>Chemosphere</i> , 2001, 44, 1573-1579.	4.2	65
293	Proteins Accompanying the Estrogen Receptor $\hat{1}$ and $\hat{2}$ : A Model for Studying Protein Hetero-Complexes. <i>Biocatalysis and Biotransformation</i> , 2001, 19, 427-442.	1.1	2
294	Affinity Monoliths Generated by In Situ Polymerization of the Ligand. <i>Analytical Chemistry</i> , 2001, 73, 5126-5132.	3.2	57
295	Determination of Estrogenic Activity in Beer by Biological and Chemical Means. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 633-640.	2.4	27
296	Quantification of plasma-derived blood coagulation factor VIII by real-time biosensor measurements. <i>Biomedical Applications</i> , 2001, 752, 335-347.	1.7	6
297	Affinity of the monoclonal antibody M1 directed against the FLAG peptide. <i>Journal of Chromatography A</i> , 2001, 921, 25-30.	1.8	42
298	Improved performance of protein separation by continuous annular chromatography in the size-exclusion mode. <i>Journal of Chromatography A</i> , 2001, 921, 15-24.	1.8	26
299	Continuous separation of green fluorescent protein by annular chromatography. <i>Journal of Chromatography A</i> , 2001, 908, 243-250.	1.8	21
300	Control method for integrity of continuous beds. <i>Journal of Chromatography A</i> , 2001, 908, 179-184.	1.8	23
301	Monoliths as stationary phases for separation of proteins and polynucleotides and enzymatic conversion. <i>Biomedical Applications</i> , 2001, 752, 191-205.	1.7	193
302	Continuous Removal of Protein Aggregates by Annular Chromatography. <i>Biotechnology Progress</i> , 2001, 17, 140-149.	1.3	28
303	Transcriptional activities of estrogen receptor alpha and beta in yeast properties of raloxifene 1 1Abbreviations: ERE, estrogen response element; E2, 17 $\beta$ -estradiol; RAL, raloxifene; ER $\hat{1}$ , estrogen receptor $\hat{1}$ ; ER $\hat{2}$ , estrogen receptor $\hat{2}$ ; and SERM, selective estrogen receptor modulator.. <i>Biochemical Pharmacology</i> , 2001, 62, 953-961.	2.0	39
304	Quantitative assessment of complex formation of nuclear-receptor accessory proteins. <i>Biochemical Journal</i> , 2000, 345, 627.	1.7	12
305	Quantitative assessment of complex formation of nuclear-receptor accessory proteins. <i>Biochemical Journal</i> , 2000, 345, 627-636.	1.7	16
306	Fundamental questions in optimizing ion-exchange chromatography of proteins using computer-aided process design. , 2000, 52, 223-236.		8

#	ARTICLE	IF	CITATIONS
307	Affinity Chromatography of Human Blood Coagulation Factor VIII on Monoliths with Peptides from a Combinatorial Library. <i>Journal of High Resolution Chromatography</i> , 2000, 23, 47-58.	2.0	76
308	Characterisation of the rubber elongation factor from ammoniated latex by electrophoresis and mass spectrometry. <i>Journal of Chromatography A</i> , 2000, 890, 145-158.	1.8	14
309	Scale-down of continuous protein purification by annular chromatography. <i>Journal of Chromatography A</i> , 2000, 890, 53-59.	1.8	12
310	Agonistic and synergistic activity of tamoxifen in a yeast model system. <i>Biochemical Pharmacology</i> , 2000, 59, 177-185.	2.0	22
311	Short cut of protein purification by integration of cell-disrupture and affinity extraction. <i>Bioseparation</i> , 2000, 9, 59-67.	0.7	25
312	High speed immuno-affinity chromatography on supports with gigapores and porous glass. <i>Bioseparation</i> , 2000, 9, 259-268.	0.7	36
313	Protein Expression Strategies for Identification of Novel Target Proteins. <i>Journal of Biomolecular Screening</i> , 2000, 5, 89-97.	2.6	24
314	Protein expression in yeast; comparison of two expression strategies regarding protein maturation. <i>Journal of Biotechnology</i> , 2000, 84, 237-248.	1.9	22
315	15 Separation of antibodies by liquid chromatography. <i>Separation Science and Technology</i> , 2000, , 535-632.	0.0	15
316	Peak Broadening in Protein Chromatography with Monoliths at Very Fast Separations. <i>Analytical Chemistry</i> , 2000, 72, 4853-4858.	3.2	76
317	Affinity Chromatography of Human Blood Coagulation Factor VIII on Monoliths with Peptides from a Combinatorial Library. , 2000, 23, 47.		2
318	Affinity chromatography of human estrogen receptor- $\alpha$ expressed in <i>Saccharomyces cerevisiae</i> . <i>Journal of Chromatography A</i> , 1999, 852, 161-173.	1.8	9
319	Matrix-assisted laser desorption/ionization time-of-flight and nano-electrospray ionization ion trap mass spectrometric characterization of 1-cyano-2-substituted-benz[f]isoindole derivatives of peptides for fluorescence detection. , 1999, 34, 427-434.		2
320	17 $\beta$ -estradiol: Behavior during waste water analyses. <i>Chemosphere</i> , 1999, 39, 1903-1909.	4.2	25
321	Monitoring of estrogen mimics by a recombinant yeast assay: synergy between natural and synthetic compounds?. <i>Science of the Total Environment</i> , 1999, 225, 69-79.	3.9	53
322	Electrophoretic analyses of clotting factor VIII concentrates. <i>Analytica Chimica Acta</i> , 1998, 372, 219-229.	2.6	6
323	Bovine whey fractionation based on cation-exchange chromatography. <i>Journal of Chromatography A</i> , 1998, 795, 277-287.	1.8	114
324	Capture of human monoclonal antibodies from cell culture supernatant by ion exchange media exhibiting high charge density. , 1998, 60, 689-698.		41

#	ARTICLE	IF	CITATIONS
325	Peptide affinity chromatography of human clotting factor VIII. Biomedical Applications, 1998, 715, 191-201.	1.7	26
326	Regulation of human estrogen receptor by phytoestrogens in yeast and human cells. Journal of Steroid Biochemistry and Molecular Biology, 1998, 67, 421-429.	1.2	82
327	Prediction of the preparative chromatography performance with a very small column. Journal of Chromatography A, 1997, 760, 41-53.	1.8	58
328	Simple model for blending aqueous salt buffers. Journal of Chromatography A, 1997, 769, 37-48.	1.8	14
329	Structural and functional analysis of N-terminal point mutants of the human estrogen receptor. Journal of Steroid Biochemistry and Molecular Biology, 1996, 57, 293-300.	1.2	23
330	Aseptic Chromatography Processing. Dream or Reality?. Annals of the New York Academy of Sciences, 1996, 782, 432-440.	1.8	4
331	Cytokine activity assay by means of proliferation measured in plane convex microtiter wells. Journal of Proteomics, 1996, 32, 85-96.	2.4	6
332	Adsorption isotherms in protein chromatography combined influence of protein and salt concentration on adsorption isotherm. Journal of Chromatography A, 1996, 734, 183-194.	1.8	21
333	Insights into the chromatography of proteins provided by mathematical modeling. Current Opinion in Biotechnology, 1996, 7, 210-218.	3.3	27
334	Fundamental questions in optimizing ion-exchange chromatography of proteins using computer-aided process design. Biotechnology and Bioengineering, 1996, 52, 223-236.	1.7	13
335	Laboratory-scale production and purification of recombinant HIV-1 reverse transcriptase. Biomedical Applications, 1995, 664, 107-118.	1.7	4
336	HETP in Process Ion-Exchange Chromatography. Journal of Chromatographic Science, 1995, 33, 451-457.	0.7	11
337	DNA clearance in chromatography of proteins, exemplified by affinity chromatography. Journal of Proteomics, 1995, 30, 75-78.	2.4	6
338	A Broadly Neutralizing Human Monoclonal Antibody against gp41 of Human Immunodeficiency Virus Type 1. AIDS Research and Human Retroviruses, 1994, 10, 1651-1658.	0.5	342
339	Purification of human recombinant superoxide dismutase by isoelectric focusing in a multicompartement electrolyzer with zwitterionic membranes. Electrophoresis, 1994, 15, 647-653.	1.3	29
340	Manufacture of recombinant proteins with safe and validated chromatographic sorbents. Biomedical Applications, 1994, 662, 143-179.	1.7	28
341	Calculation of peak profiles in preparative chromatography of biomolecules. Journal of Chromatography A, 1994, 658, 399-406.	1.8	10
342	Generation of Human Monoclonal Antibodies against HIV-1 Proteins; Electrofusion and Epstein-Barr Virus Transformation for Peripheral Blood Lymphocyte Immortalization. AIDS Research and Human Retroviruses, 1994, 10, 359-369.	0.5	513

#	ARTICLE	IF	CITATIONS
343	Preparative chromatography of biomolecules. Journal of Chromatography A, 1993, 639, 3-16.	1.8	59
344	Isoprotein analysis by ion-exchange chromatography using a linear pH gradient combined with a salt gradient. Journal of Chromatography A, 1993, 639, 41-49.	1.8	34
345	Determination of immune complexes by high-performanced gel chromatography (positive cooperativity) Tj ETQq1 1 0,784314 rgBT /C 2.4	2.4	14
346	Scale-up of recombinant protein purification by hydrophobic interaction chromatography. Journal of Chromatography A, 1992, 625, 33-39.	1.8	19
347	Displacement effects in large-scale chromatography?. Biotechnology and Bioengineering, 1992, 39, 579-587.	1.7	9
348	Shifts of isoelectric points between cellular and secreted antibodies as revealed by isoelectric focusing and immobilized pH gradients. Electrophoresis, 1990, 11, 966-969.	1.3	19
349	Preparative purification of human monoclonal antibody isoforms in a multi-compartment electrolyser with immobiline membranes. Journal of Chromatography A, 1990, 500, 681-696.	1.8	125
350	Isolation of isoproteins from monoclonal antibodies and recombinant proteins by chromatofocusing. Journal of Chromatography A, 1990, 512, 157-163.	1.8	20
351	Capillary zone electrophoresis for monitoring r-DNA protein purification in multi-compartment electrolysers with immobiline membranes. Journal of Chromatography A, 1990, 516, 133-146.	1.8	17
352	Crystallization of the Fab from a human monoclonal antibody against gp 41 of human immunodeficiency virus type I. Journal of Molecular Biology, 1990, 216, 511-512.	2.0	18
353	High-performance liquid chromatographic determination of metabolic products for fermentation control of mammalian cell culture: analysis of carbohydrates, organic acids and orthophosphate using refractive index and ultraviolet detectors. Biomedical Applications, 1989, 497, 59-68.	1.7	27
354	Comparison of protein A, protein G and copolymerized hydroxyapatite for the purification of human monoclonal antibodies. Journal of Chromatography A, 1989, 476, 257-268.	1.8	47
355	Application of a human monoclonal antibody in a rapid competitive anti-HIV ELISA. Journal of Immunological Methods, 1989, 116, 229-233.	0.6	14
356	Pilot scale production of a human monoclonal antibody against human immunodeficiency virus HIV-1. Journal of Proteomics, 1989, 19, 223-240.	2.4	23
357	Isolation of human monoclonal antibody isoproteins by preparative isoelectric focusing in immobilized pH gradients. Journal of Proteomics, 1989, 18, 309-322.	2.4	20
358	Moderne Methoden zur Reinigung von monoklonalen Antikörpern. , 1989, , 19-29.		0
359	High performance liquid chromatography and related methods in purification of monoclonal antibodies. Advances in Biotechnological Processes, 1989, 11, 161-92.	0.2	0
360	Scaleup of monoclonal antibody purification using radial streaming ion exchange chromatography. Biotechnology and Bioengineering, 1988, 32, 326-333.	1.7	52

#	ARTICLE	IF	CITATIONS
361	Combination of zetaprep mass ion-exchange media and high-performance cation-exchange chromatography for the purification of high-purity monoclonal antibodies. Journal of Chromatography A, 1987, 397, 313-320.	1.8	17
362	Isoelectric precipitation and gel chromatography for purification of monoclonal IgM. Enzyme and Microbial Technology, 1987, 9, 361-364.	1.6	16
363	Electroporative gene transfer (electrotransfection): A method for strain improvement of animal cells. Bioelectrochemistry, 1987, 17, 253-257.	1.0	5
364	4.1 Principles of Product Extraction from Cell Culture and Purification for Pharmaceutical Proteins. , 0, ,		0
365	Adsorption Equilibria. , 0, , 145-160.		1
366	Gradient Elution Chromatography. , 0, , 277-308.		2
367	Introduction to Protein Chromatography. , 0, , 57-84.		5
368	Laboratory and Process Columns and Equipment. , 0, , 125-143.		1