Alois Jungbauer

List of Publications by Year
in descending order

368	13,262	22132	38368
papers	citations	59 h-index	95 g-index

398	398	398	11699
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	The FLAGâ„¢ peptide, a versatile fusion tag for the purification of recombinant proteins. Journal of Proteomics, 2001, 49, 455-465.	2.4	363
3	Anti-inflammatory activity of extracts from fruits, herbs and spices. Food Chemistry, 2010, 122, 987-996.	4.2	359
4	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
5	Continuous downstream processing of biopharmaceuticals. Trends in Biotechnology, 2013, 31, 479-492.	4.9	275
6	Chromatographic media for bioseparation. Journal of Chromatography A, 2005, 1065, 3-12.	1.8	229
7	Comparison of protein A affinity sorbents. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 790, 35-51.	1.2	221
8	Phytoestrogens derived from red clover: An alternative to estrogen replacement therapy?. Journal of Steroid Biochemistry and Molecular Biology, 2005, 94, 499-518.	1.2	215
9	Polymethacrylate monoliths for preparative and industrial separation of biomolecular assemblies. Journal of Chromatography A, 2008, 1184, 62-79.	1.8	201
10	Monoliths as stationary phases for separation of proteins and polynucleotides and enzymatic conversion. Biomedical Applications, 2001, 752, 191-205.	1.7	193
11	Current status of technical protein refolding. Journal of Biotechnology, 2007, 128, 587-596.	1.9	164
12	Monoliths for fast bioseparation and bioconversion and their applications in biotechnology. Journal of Separation Science, 2004, 27, 767-778.	1.3	160
13	Application of monoliths for plasmid DNA purification. Journal of Chromatography A, 2005, 1065, 93-106.	1.8	156
14	Comparison of protein A affinity sorbents. Journal of Chromatography A, 2005, 1093, 98-110.	1.8	151
15	Enhanced Cutinase-Catalyzed Hydrolysis of Polyethylene Terephthalate by Covalent Fusion to Hydrophobins. Applied and Environmental Microbiology, 2015, 81, 3586-3592.	1.4	149
16	Comparison of hormonal activity (estrogen, androgen and progestin) of standardized plant extracts for large scale use in hormone replacement therapy. Journal of Steroid Biochemistry and Molecular Biology, 2003, 84, 259-268.	1.2	136
17	Hydrophobic interaction chromatography of proteins. Journal of Chromatography A, 2005, 1079, 221-228.	1.8	135
18	Protein adsorption onto nanoparticles induces conformational changes: Particle size dependency, kinetics, and mechanisms. Engineering in Life Sciences, 2016, 16, 238-246.	2.0	133

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19	Folding and refolding of proteins in chromatographic beds. Current Opinion in Biotechnology, 2004, 15, 487-494.	3.3	132
20	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
21	Comparison of protein A affinity sorbents III. Life time study. Journal of Chromatography A, 2006, 1102, 224-231.	1.8	118
22	Bovine whey fractionation based on cation-exchange chromatography. Journal of Chromatography A, 1998, 795, 277-287.	1.8	114
23	Pomegranate: a fruit that ameliorates metabolic syndrome. Food and Function, 2013, 4, 19-39.	2.1	114
24	Npro fusion technology to produce proteins with authentic N termini in E. coli. Nature Methods, 2007, 4, 1037-1043.	9.0	108
25	Economics of recombinant antibody production processes at various scales: Industryâ€standard compared to continuous precipitation. Biotechnology Journal, 2014, 9, 766-775.	1.8	108
26	Anti-inflammatory properties of culinary herbs and spices that ameliorate the effects of metabolic syndrome. Maturitas, 2012, 71, 227-239.	1.0	105
27	Phytoestrogens and the metabolic syndrome. Journal of Steroid Biochemistry and Molecular Biology, 2014, 139, 277-289.	1.2	98
28	Estrogenic activity of two standardized red clover extracts (MenoflavonÂ®) intended for large scale use in hormone replacement therapy. Journal of Steroid Biochemistry and Molecular Biology, 2001, 78, 67-75.	1.2	95
29	Host cell protein analysis in therapeutic protein bioprocessing â€“ methods and applications. Biotechnology Journal, 2013, 8, 655-670.	1.8	94
30	Red clover isoflavones biochanin A and formononetin are potent ligands of the human aryl hydrocarbon receptor. Journal of Steroid Biochemistry and Molecular Biology, 2008, 108, 171-177.	1.2	93
31	Technical refolding of proteins: Do we have freedom to operate?. Biotechnology Journal, 2010, 5, 547-559.	1.8	92
32	Mass transfer properties of monoliths. Separation Science and Technology, 2002, 37, 1545-1565.	1.3	91
33	Impact of Cavitation, High Shear Stress and Air/Liquid Interfaces on Protein Aggregation. Biotechnology Journal, 2018, 13, e1800062.	1.8	86
34	Analysis of aggregates of human immunoglobulin G using size-exclusion chromatography, static and dynamic light scattering. Journal of Chromatography A, 2003, 1009, 89-96.	1.8	84
35	Charge heterogeneity: Basic antibody charge variants with increased binding to Fc receptors. MAbs, 2016, 8, 1548-1560.	2.6	84
36	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

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37	Oregano: A Source for Peroxisome Proliferator-Activated Receptor Î³ Antagonists. Journal of Agricultural and Food Chemistry, 2008, 56, 11621-11630.	2.4	81
38	Hydrophobic interaction chromatography of proteins. Journal of Chromatography A, 2002, 972, 3-19.	1.8	80
39	Estrogenic Activity in White and Red Wine Extracts. Journal of Agricultural and Food Chemistry, 2003, 51, 1850-1857.	2.4	79
40	Protein precipitation by polyethylene glycol: A generalized model based on hydrodynamic radius. Journal of Biotechnology, 2012, 157, 315-319.	1.9	78
41	Affinity Chromatography of Human Blood Coagulation Factor VIII on Monoliths with Peptides from a Combinatorial Library. Journal of High Resolution Chromatography, 2000, 23, 47-58.	2.0	76
42	Peak Broadening in Protein Chromatography with Monoliths at Very Fast Separations. Analytical Chemistry, 2000, 72, 4853-4858.	3.2	76
43	Whey proteins as a model system for chromatographic separation of proteins. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 790, 161-173.	1.2	75
44	Thermodynamic stability and formation of aggregates of human immunoglobulin G characterised by differential scanning calorimetry and dynamic light scattering. Journal of Proteomics, 2006, 66, 73-86.	2.4	75
45	Performance and characterization of a nanophased porous hydroxyapatite for protein chromatography. Biotechnology and Bioengineering, 2004, 87, 364-375.	1.7	74
46	Mass transfer characteristics of plasmids in monoliths. Journal of Separation Science, 2004, 27, 819-827.	1.3	70
47	Separation of virus-like particles and extracellular vesicles by flow-through and heparin affinity chromatography. Journal of Chromatography A, 2019, 1588, 77-84.	1.8	70
48	Receptor binding and transactivation activities of red clover isoflavones and their metabolites. Journal of Steroid Biochemistry and Molecular Biology, 2008, 112, 87-94.	1.2	69
49	Continuous polyethylene glycol precipitation of recombinant antibodies: Sequential precipitation and resolubilization. Process Biochemistry, 2016, 51, 325-332.	1.8	69
50	Chapter 22 Ion-Exchange Chromatography. Methods in Enzymology, 2009, 463, 349-371.	0.4	68
51	Spore germination of <scp>T</scp>richodermaÂatroviride is inhibited by its <scp>L</scp>ys<scp>M</scp> protein <scp>TAL</scp>6. FEBS Journal, 2013, 280, 1226-1236.	2.2	68
52	Purification of HIV-1 gag virus-like particles and separation of other extracellular particles. Journal of Chromatography A, 2016, 1455, 93-101.	1.8	66
53	Adsorption isotherms of 17Î²-estradiol on granular activated carbon (GAC). Chemosphere, 2001, 44, 1573-1579.	4.2	65
54	Hydrophobic interaction chromatography of proteins. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 790, 99-114.	1.2	65

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55	Hydrophobic interaction chromatography of proteins. Journal of Chromatography A, 2008, 1198-1199, 154-163.	1.8	63
56	Hydrophobic interaction chromatography of proteins: Thermodynamic analysis of conformational changes. Journal of Chromatography A, 2010, 1217, 184-190.	1.8	63
57	Selective Removal of Undifferentiated Human Embryonic Stem Cells Using Magnetic Activated Cell Sorting Followed by a Cytotoxic Antibody. Tissue Engineering - Part A, 2012, 18, 899-909.	1.6	63
58	Potential Health-modulating Effects of Isoflavones and Metabolites via Activation of PPAR and AhR. Nutrients, 2010, 2, 241-279.	1.7	62
59	Microheterogeneity of Recombinant Antibodies: Analytics and Functional Impact. Biotechnology Journal, 2018, 13, 1700476.	1.8	62
60	Hydrophobic interaction chromatography of proteins IV. Journal of Chromatography A, 2007, 1139, 84-94.	1.8	61
61	Preparative chromatography of biomolecules. Journal of Chromatography A, 1993, 639, 3-16.	1.8	59
62	Prediction of the preparative chromatography performance with a very small column. Journal of Chromatography A, 1997, 760, 41-53.	1.8	58
63	Affinity Monoliths Generated by In Situ Polymerization of the Ligand. Analytical Chemistry, 2001, 73, 5126-5132.	3.2	57
64	Continuous precipitation of IgG from CHO cell culture supernatant in a tubular reactor. Biotechnology Journal, 2015, 10, 1196-1205.	1.8	57
65	Continuous matrix-assisted refolding of proteins. Journal of Chromatography A, 2003, 1009, 119-132.	1.8	56
66	Angiotensin inhibition stimulates PPARÎ³ and the release of visfatin. European Journal of Clinical Investigation, 2008, 38, 820-826.	1.7	56
67	Effect of nonpersistent pesticides on estrogen receptor, androgen receptor, and aryl hydrocarbon receptor. Environmental Toxicology, 2014, 29, 1201-1216.	2.1	56
68	Small cause, large effect: Structural characterization of cutinases from Thermobifida cellulosilytica. Biotechnology and Bioengineering, 2017, 114, 2481-2488.	1.7	56
69	Pumpkin seed extract: Cell growth inhibition of hyperplastic and cancer cells, independent of steroid hormone receptors. FÃ¬toterapÃ¬Ã¢, 2016, 110, 150-156.	1.1	55
70	Monitoring of estrogen mimics by a recombinant yeast assay: synergy between natural and synthetic compounds?. Science of the Total Environment, 1999, 225, 69-79.	3.9	53
71	Scaleup of monoclonal antibody purification using radial streaming ion exchange chromatography. Biotechnology and Bioengineering, 1988, 32, 326-333.	1.7	52
72	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

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73	Continuous processing of recombinant proteins: Integration of refolding and purification using simulated moving bed size-exclusion chromatography with buffer recycling. Journal of Chromatography A, 2014, 1337, 48-56.	1.8	51
74	Quantification and characterization of virus-like particles by size-exclusion chromatography and nanoparticle tracking analysis. Journal of Chromatography A, 2017, 1487, 89-99.	1.8	51
75	Retention studies of DNA on anion-exchange monolith chromatography. Journal of Chromatography A, 2007, 1144, 155-160.	1.8	49
76	Ethanol precipitation for purification of recombinant antibodies. Journal of Biotechnology, 2014, 188, 17-28.	1.9	49
77	Red clover extract. Menopause, 2010, 17, 379-387.	0.8	48
78	Microheterogeneity of therapeutic monoclonal antibodies is governed by changes in the surface charge of the protein. Biotechnology Journal, 2016, 11, 1617-1627.	1.8	48
79	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
80	2-D DIGE to expedite downstream process development for human monoclonal antibody purification. Protein Expression and Purification, 2009, 66, 58-65.	0.6	47
81	Anything but Conventional Chromatography Approaches in Bioseparation. Biotechnology Journal, 2020, 15, e1900274.	1.8	47
82	High-performance monolith affinity chromatography for fast quantitation of immunoglobulin G. Journal of Chromatography A, 2009, 1216, 2676-2682.	1.8	46
83	Effect of mycorrhization on the isoflavone content and the phytoestrogen activity of red clover. Journal of Plant Physiology, 2008, 165, 1161-1167.	1.6	45
84	Stem cell separation: A bottleneck in stem cell therapy. Biotechnology Journal, 2010, 5, 50-61.	1.8	45
85	Highly linear pH gradients for analyzing monoclonal antibody charge heterogeneity in the alkaline range. Journal of Chromatography A, 2013, 1319, 65-71.	1.8	45
86	Endocrine Disruptors Fludioxonil and Fenhexamid Stimulate miR-21 Expression in Breast Cancer Cells. Toxicological Sciences, 2013, 131, 71-83.	1.4	44
87	Combined polyethylene glycol and CaCl2 precipitation for the capture and purification of recombinant antibodies. Process Biochemistry, 2014, 49, 2001-2009.	1.8	44
88	Culinary plants, herbs and spices â€“ A rich source of PPARÎ³ ligands. Food Chemistry, 2009, 117, 660-667.	4.2	43
89	Affinity of the monoclonal antibody M1 directed against the FLAG peptide. Journal of Chromatography A, 2001, 921, 25-30.	1.8	42
90	Red clover extract. Menopause, 2008, 15, 1120-1131.	0.8	42

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91	PPARÎ±Activation by Culinary Herbs and Spices. Planta Medica, 2011, 77, 497-504.	0.7	42
92	Branched polyethylene glycol for protein precipitation. Biotechnology and Bioengineering, 2012, 109, 736-746.	1.7	42
93	Capture of human monoclonal antibodies from cell culture supernatant by ion exchange media exhibiting high charge density. , 1998, 60, 689-698.		41
94	Continuous integrated antibody precipitation with twoâ€stage tangential flow microfiltration enables constant mass flow. Biotechnology and Bioengineering, 2019, 116, 1053-1065.	1.7	41
95	Matrix assisted refolding of proteins by ion exchange chromatography. Journal of Biotechnology, 2005, 117, 83-97.	1.9	40
96	Transcriptional activities of estrogen receptor alpha and beta in yeast properties of raloxifene 1 1Abbreviations: ERE, estrogen response element; E2, 17Î²-estradiol; RAL, raloxifene; ERÎ±, estrogen receptor Î±; ERÎ², estrogen receptor Î²; and SERM, selective estrogen receptor modulator.. Biochemical Pharmacology, 2001, 62, 953-961.	2.0	39
97	Adsorption of plasmid DNA on anion exchange chromatography media. Journal of Separation Science, 2008, 31, 2605-2618.	1.3	39
98	Expression and Purification of Homogenous Proteins in Saccharomyces cerevisiae Based on Ubiquitin-FLAG Fusion. Protein Expression and Purification, 2002, 24, 497-504.	0.6	38
99	Use of monolithic sorbents modified by directly synthesized peptides for affinity separation of recombinant tissue plasminogen activator (t-PA). Journal of Biotechnology, 2004, 107, 275-284.	1.9	37
100	Purification of infective baculoviruses by monoliths. Journal of Chromatography A, 2013, 1290, 36-45.	1.8	37
101	The 3D pore structure and fluid dynamics simulation of macroporous monoliths: High permeability due to alternating channel width. Journal of Chromatography A, 2015, 1425, 141-149.	1.8	37
102	Capture and intermediate purification of recombinant antibodies with combined precipitation methods. Biochemical Engineering Journal, 2015, 93, 200-211.	1.8	37
103	High speed immuno-affinity chromatography on supports with gigapores and porous glass. Bioseparation, 2000, 9, 259-268.	0.7	36
104	Economics and ecology: Modelling of continuous primary recovery and capture scenarios for recombinant antibody production. Journal of Biotechnology, 2020, 308, 87-95.	1.9	36
105	Yeast reporter system for rapid determination of estrogenic activity. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 777, 167-178.	1.2	35
106	Comparison of reversed-phase liquid chromatography and hydrophilic interaction/cation-exchange chromatography for the separation of amphipathic Î±-helical peptides with l- and d-amino acid substitutions in the hydrophilic face. Journal of Chromatography A, 2003, 1009, 61-71.	1.8	35
107	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
108	Directed Immobilization of Peptide Ligands to Accessible Pore Sites by Conjugation with a Placeholder Molecule. Analytical Chemistry, 2003, 75, 543-548.	3.2	34

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109	A comprehensive antigen production and characterisation study for easy-to-implement, specific and quantitative SARS-CoV-2 serotests. EBioMedicine, 2021, 67, 103348.	2.7	34
110	Direct Synthesis of Peptides on Convective Interaction Media Monolithic Columns for Affinity Chromatography. ACS Combinatorial Science, 2002, 4, 33-37.	3.3	33
111	Kinetic analysis of estrogen receptor homo- and heterodimerization in vitro. Journal of Steroid Biochemistry and Molecular Biology, 2003, 84, 141-148.	1.2	33
112	Mutational analysis of a blood coagulation factor VIII-binding peptide. Chemical Biology and Drug Design, 2002, 59, 174-182.	1.2	32
113	Detection of aggregate formation during production of human immunoglobulin G by means of light scattering. Journal of Chromatography A, 2004, 1043, 41-46.	1.8	32
114	Influence of cavitation and high shear stress on HSA aggregation behavior. Engineering in Life Sciences, 2018, 18, 169-178.	2.0	31
115	Truly continuous low pH viral inactivation for biopharmaceutical process integration. Biotechnology and Bioengineering, 2020, 117, 1406-1417.	1.7	31
116	Preparative continuous annular chromatography (P-CAC), a review. Bioprocess and Biosystems Engineering, 2002, 25, 129-140.	1.7	30
117	GFP-reporter for a high throughput assay to monitor estrogenic compounds. Journal of Proteomics, 2005, 64, 19-37.	2.4	30
118	Refolding of N^{pro} fusion proteins. Biotechnology and Bioengineering, 2009, 104, 774-784.	1.7	30
119	Highly linear pH gradients for analyzing monoclonal antibody charge heterogeneity in the alkaline range: Validation of the method parameters. Journal of Chromatography A, 2014, 1373, 124-130.	1.8	30
120	Purification of human recombinant superoxide dismutase by isoelectric focusing in a multicompartment electrolyzer with zwitterionic membranes. Electrophoresis, 1994, 15, 647-653.	1.3	29
121	Red wine: A source of potent ligands for peroxisome proliferator-activated receptor Î³. Food and Function, 2011, 2, 28-38.	2.1	29
122	Realâ€time monitoring and modelâ€based prediction of purity and quantity during a chromatographic capture of fibroblast growth factor 2. Biotechnology and Bioengineering, 2019, 116, 1999-2009.	1.7	29
123	Manufacture of recombinant proteins with safe and validated chromatographic sorbents. Biomedical Applications, 1994, 662, 143-179.	1.7	28
124	Continuous Removal of Protein Aggregates by Annular Chromatography. Biotechnology Progress, 2001, 17, 140-149.	1.3	28
125	Screening for peptide affinity ligands on CIM monoliths. Biotechnology and Bioengineering, 2002, 79, 733-740.	1.7	28
126	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

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127	Insights into the chromatography of proteins provided by mathematical modeling. Current Opinion in Biotechnology, 1996, 7, 210-218.	3.3	27
128	Determination of Estrogenic Activity in Beer by Biological and Chemical Means. Journal of Agricultural and Food Chemistry, 2001, 49, 633-640.	2.4	27
129	Isoflavones are safe compounds for therapeutical applications â€“ Evaluation ofin vitrodata. Gynecological Endocrinology, 2009, 25, 554-580.	0.7	27
130	Comparison of hormonal activity of isoflavone-containing supplements used to treat menopausal complaints. Menopause, 2009, 16, 1049-1060.	0.8	27
131	Getting ready for PAT: Scale up and inline monitoring of protein refolding of Npro fusion proteins. Process Biochemistry, 2014, 49, 1113-1121.	1.8	27
132	Continuous cell flocculation for recombinant antibody harvesting. Journal of Chemical Technology and Biotechnology, 2018, 93, 1881-1890.	1.6	27
133	Capture and purification of Human Immunodeficiency Virus-1 virus-like particles: Convective media vs porous beads. Journal of Chromatography A, 2020, 1627, 461378.	1.8	27
134	Peptide affinity chromatography of human clotting factor VIII. Biomedical Applications, 1998, 715, 191-201.	1.7	26
135	Improved performance of protein separation by continuous annular chromatography in the size-exclusion mode. Journal of Chromatography A, 2001, 921, 15-24.	1.8	26
136	Continuous matrix assisted refolding of Î±-lactalbumin by ion exchange chromatography with recycling of aggregates combined with ultradiafiltration. Journal of Chromatography A, 2005, 1080, 29-42.	1.8	26
137	Androgen receptor transactivation assay using green fluorescent protein as a reporter. Analytical Biochemistry, 2008, 373, 263-271.	1.1	26
138	Atomistic Structure of Monomolecular Surface Layer Self-Assemblies: Toward Functionalized Nanostructures. ACS Nano, 2011, 5, 2288-2297.	7.3	26
139	Continuous processing of recombinant proteins: Integration of inclusion body solubilization and refolding using simulated moving bed size exclusion chromatography with buffer recycling. Journal of Chromatography A, 2013, 1319, 107-117.	1.8	26
140	17Î²-estradiol: Behavior during waste water analyses. Chemosphere, 1999, 39, 1903-1909.	4.2	25
141	Short cut of protein purification by integration of cell-disrupture and affinity extraction. Bioseparation, 2000, 9, 59-67.	0.7	25
142	Effects of ultra-/diafiltration conditions on present aggregates in human immunoglobulin G preparations. Journal of Membrane Science, 2006, 274, 108-115.	4.1	25
143	Conformational changes of antibodies upon adsorption onto hydrophobic interaction chromatography surfaces. Journal of Chromatography A, 2018, 1552, 60-66.	1.8	25
144	Prediction of the Quantity and Purity of an Antibody Capture Process in Real Time. Biotechnology Journal, 2019, 14, e1800521.	1.8	25

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145	Modeling the Residence Time Distribution of Integrated Continuous Bioprocesses. Biotechnology Journal, 2020, 15, e2000008.	1.8	25
146	Protein Expression Strategies for Identification of Novel Target Proteins. Journal of Biomolecular Screening, 2000, 5, 89-97.	2.6	24
147	Dispersion effects in preparative polymethacrylate monoliths operated in radial-flow columns. Journal of Proteomics, 2007, 70, 87-94.	2.4	24
148	Scalability of pre-packed preparative chromatography columns with different diameters and lengths taking into account extra column effects. Journal of Chromatography A, 2018, 1537, 66-74.	1.8	24
149	Continuous capture of recombinant antibodies by ZnCl₂ precipitation without polyethylene glycol. Engineering in Life Sciences, 2020, 20, 265-274.	2.0	24
150	Pilot scale production of a human monoclonal antibody against human immunodeficiency virus HIV-1. Journal of Proteomics, 1989, 19, 223-240.	2.4	23
151	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
152	Control method for integrity of continuous beds. Journal of Chromatography A, 2001, 908, 179-184.	1.8	23
153	Mapping of FVIII inhibitor epitopes using cellulose-bound synthetic peptide arrays. Journal of Immunological Methods, 2006, 308, 90-100.	0.6	23
154	A two-step process for capture and purification of human basic fibroblast growth factor from E. coli homogenate: Yield versus endotoxin clearance. Protein Expression and Purification, 2019, 153, 70-82.	0.6	23
155	Agonistic and synergistic activity of tamoxifen in a yeast model system. Biochemical Pharmacology, 2000, 59, 177-185.	2.0	22
156	Protein expression in yeast; comparison of two expression strategies regarding protein maturation. Journal of Biotechnology, 2000, 84, 237-248.	1.9	22
157	Polymer-grafted chromatography media for the purification of enveloped virus-like particles, exemplified with HIV-1 gag VLP. Vaccine, 2019, 37, 7070-7080.	1.7	22
158	Production of Circularly Permuted Caspase-2 for Affinity Fusion-Tag Removal: Cloning, Expression in Escherichia coli, Purification, and Characterization. Biomolecules, 2020, 10, 1592.	1.8	22
159	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
160	Continuous separation of green fluorescent protein by annular chromatography. Journal of Chromatography A, 2001, 908, 243-250.	1.8	21
161	Binding site and elution behavior of DNA and other large biomolecules in monolithic anion-exchange chromatography. Journal of Chromatography A, 2009, 1216, 2616-2620.	1.8	21
162	Engineering of a two-step purification strategy for a panel of monoclonal immunoglobulin M directed against undifferentiated human embryonic stem cells. Journal of Chromatography A, 2009, 1216, 7851-7864.	1.8	21

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163	Estrogen-like effects of wine extracts on nitric oxide synthesis in human endothelial cells. Maturitas, 2011, 70, 169-175.	1.0	21
164	Monolith peptide affinity chromatography for quantification of immunoglobulin M. Journal of Chromatography A, 2011, 1218, 2374-2380.	1.8	21
165	Temperature dependence of antibody adsorption in protein A affinity chromatography. Journal of Chromatography A, 2018, 1551, 59-68.	1.8	21
166	Isolation of human monoclonal antibody isoproteins by preparative isoelectric focusing in immobilized pH gradients. Journal of Proteomics, 1989, 18, 309-322.	2.4	20
167	Isolation of isoproteins from monoclonal antibodies and recombinant proteisn by chromatofocusing. Journal of Chromatography A, 1990, 512, 157-163.	1.8	20
168	Liquid Formulations for Stabilizing IgMs During Physical Stress and Long-Term Storage. Pharmaceutical Research, 2013, 30, 735-750.	1.7	20
169	Eriosema laurentii De Wild (Leguminosae) methanol extract has estrogenic properties and prevents menopausal symptoms in ovariectomized Wistar rats. Journal of Ethnopharmacology, 2013, 150, 298-307.	2.0	20
170	Continuous separation of protein loaded nanoparticles by simulated moving bed chromatography. Journal of Chromatography A, 2014, 1349, 44-49.	1.8	20
171	Separation of HIVâ€1 gag virusâ€like particles from vesicular particles impurities by hydroxylâ€functionalized monoliths. Journal of Separation Science, 2017, 40, 979-990.	1.3	20
172	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
173	Scale-up of recombinant protein purification by hydrophobic interaction chromatography. Journal of Chromatography A, 1992, 625, 33-39.	1.8	19
174	Shallow Bed Adsorption: Theoretical Background and Applications. Chemical Engineering and Technology, 2005, 28, 1241-1251.	0.9	19
175	Estradiol regulates aryl hydrocarbon receptor expression in the rat uterus. Molecular and Cellular Endocrinology, 2010, 321, 253-257.	1.6	19
176	Globular Head-Displayed Conserved Influenza H1 Hemagglutinin Stalk Epitopes Confer Protection against Heterologous H1N1 Virus. PLoS ONE, 2016, 11, e0153579.	1.1	19
177	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
178	Refolding of proteins in a CSTR. Chemical Engineering Science, 2005, 60, 5770-5780.	1.9	18
179	EDDIE fusion proteins: Triggering autoproteolytic cleavage. Process Biochemistry, 2009, 44, 1217-1224.	1.8	18
180	Surface layer protein characterization by small angle x-ray scattering and a fractal mean force concept: From protein structure to nanodisk assemblies. Journal of Chemical Physics, 2010, 133, 175102.	1.2	18

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181	Red clover and soy isoflavonesâ€"anin vitrosafety assessment. Gynecological Endocrinology, 2011, 27, 1037-1042.	0.7	18
182	Liquid Formulations for Long-Term Storage of Monoclonal IgGs. Applied Biochemistry and Biotechnology, 2013, 169, 1431-1448.	1.4	18
183	Freely suspended perforated polymer nanomembranes for protein separations. Scientific Reports, 2018, 8, 4410.	1.6	18
184	Prediction tool for loading, isocratic elution, gradient elution and scaling up of ion exchange chromatography of proteins. Journal of Chromatography A, 2018, 1566, 89-101.	1.8	18
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