

Alois Jungbauer

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348
papers

10,868
citations

53
h-index

88
g-index

398
ext. papers

12,007
ext. citations

4.6
avg, IF

6.59
L-index

#	Paper	IF	Citations
348	Generation of human monoclonal antibodies against HIV-1 proteins; electrofusion and Epstein-Barr virus transformation for peripheral blood lymphocyte immortalization. <i>AIDS Research and Human Retroviruses</i> , 1994 , 10, 359-69	1.6	464
347	The FLAG peptide, a versatile fusion tag for the purification of recombinant proteins. <i>Journal of Proteomics</i> , 2001 , 49, 455-65		308
346	A broadly neutralizing human monoclonal antibody against gp41 of human immunodeficiency virus type 1. <i>AIDS Research and Human Retroviruses</i> , 1994 , 10, 1651-8	1.6	308
345	Anti-inflammatory activity of extracts from fruits, herbs and spices. <i>Food Chemistry</i> , 2010 , 122, 987-996	8.5	294
344	Continuous downstream processing of biopharmaceuticals. <i>Trends in Biotechnology</i> , 2013 , 31, 479-92	15.1	220
343	Chromatographic media for bioseparation. <i>Journal of Chromatography A</i> , 2005 , 1065, 3-12	4.5	201
342	Comparison of protein A affinity sorbents. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003 , 790, 35-51	3.2	186
341	Phytoestrogens derived from red clover: an alternative to estrogen replacement therapy?. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2005 , 94, 499-518	5.1	183
340	Polymethacrylate monoliths for preparative and industrial separation of biomolecular assemblies. <i>Journal of Chromatography A</i> , 2008 , 1184, 62-79	4.5	180
339	Monoliths as stationary phases for separation of proteins and polynucleotides and enzymatic conversion. <i>Biomedical Applications</i> , 2001 , 752, 191-205		179
338	Monoliths for fast bioseparation and bioconversion and their applications in biotechnology. <i>Journal of Separation Science</i> , 2004 , 27, 767-78	3.4	154
337	2010 ,		152
336	Current status of technical protein refolding. <i>Journal of Biotechnology</i> , 2007 , 128, 587-96	3.7	144
335	Application of monoliths for plasmid DNA purification development and transfer to production. <i>Journal of Chromatography A</i> , 2005 , 1065, 93-106	4.5	141
334	Comparison of protein A affinity sorbents II. Mass transfer properties. <i>Journal of Chromatography A</i> , 2005 , 1093, 98-110	4.5	120
333	Folding and refolding of proteins in chromatographic beds. <i>Current Opinion in Biotechnology</i> , 2004 , 15, 487-94	11.4	119
332	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, 259-68	5.1	118

331	Preparative purification of human monoclonal antibody isoforms in a multi-compartment electrolyser with immobilized membranes. <i>Journal of Chromatography A</i> , 1990 , 500, 681-96	4.5	117
330	Hydrophobic interaction chromatography of proteins. III. Unfolding of proteins upon adsorption. <i>Journal of Chromatography A</i> , 2005 , 1079, 221-8	4.5	116
329	Enhanced cutinase-catalyzed hydrolysis of polyethylene terephthalate by covalent fusion to hydrophobins. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 3586-92	4.8	109
328	Comparison of protein A affinity sorbents III. Life time study. <i>Journal of Chromatography A</i> , 2006 , 1102, 224-31	4.5	104
327	Protein adsorption onto nanoparticles induces conformational changes: Particle size dependency, kinetics, and mechanisms. <i>Engineering in Life Sciences</i> , 2016 , 16, 238-246	3.4	99
326	N(pro) fusion technology to produce proteins with authentic N termini in <i>E. coli</i> . <i>Nature Methods</i> , 2007 , 4, 1037-43	21.6	95
325	Bovine whey fractionation based on cation-exchange chromatography. <i>Journal of Chromatography A</i> , 1998 , 795, 277-87	4.5	93
324	Economics of recombinant antibody production processes at various scales: Industry-standard compared to continuous precipitation. <i>Biotechnology Journal</i> , 2014 , 9, 766-75	5.6	90
323	Pomegranate: a fruit that ameliorates metabolic syndrome. <i>Food and Function</i> , 2013 , 4, 19-39	6.1	90
322	Phytoestrogens and the metabolic syndrome. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014 , 139, 277-89	5.1	86
321	Estrogenic activity of two standardized red clover extracts (Menoflavon) intended for large scale use in hormone replacement therapy. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2001 , 78, 67-75	5.1	85
320	Anti-inflammatory properties of culinary herbs and spices that ameliorate the effects of metabolic syndrome. <i>Maturitas</i> , 2012 , 71, 227-39	5	84
319	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	4.5	79
318	Mass transfer properties of monoliths. <i>Separation Science and Technology</i> , 2002 , 37, 1545-1565	2.5	78
317	Technical refolding of proteins: Do we have freedom to operate?. <i>Biotechnology Journal</i> , 2010 , 5, 547-595.6		76
316	Regulation of human estrogen receptor by phytoestrogens in yeast and human cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1998 , 67, 421-9	5.1	75
315	Host cell protein analysis in therapeutic protein bioprocessing - methods and applications. <i>Biotechnology Journal</i> , 2013 , 8, 655-70	5.6	74
314	Peak broadening in protein chromatography with monoliths at very fast separations. <i>Analytical Chemistry</i> , 2000 , 72, 4853-8	7.8	73

313	Hydrophobic interaction chromatography of proteins. I. Comparison of selectivity. <i>Journal of Chromatography A</i> , 2002 , 972, 3-19	4.5	72
312	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		71
311	Performance and characterization of a nanophased porous hydroxyapatite for protein chromatography. <i>Biotechnology and Bioengineering</i> , 2004 , 87, 364-75	4.9	69
310	Oregano: a source for peroxisome proliferator-activated receptor gamma antagonists. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 11621-30	5.7	68
309	Estrogenic activity in white and red wine extracts. <i>Journal of Agricultural and Food Chemistry</i> , 2003 , 51, 1850-7	5.7	67
308	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, 171-7	5.1	65
307	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		65
306	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, 161-73	3.2	62
305	Protein precipitation by polyethylene glycol: a generalized model based on hydrodynamic radius. <i>Journal of Biotechnology</i> , 2012 , 157, 315-9	3.7	60
304	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	5.1	59
303	Mass transfer characteristics of plasmids in monoliths. <i>Journal of Separation Science</i> , 2004 , 27, 819-27	3.4	59
302	Hydrophobic interaction chromatography of proteins. II. Binding capacity, recovery and mass transfer properties. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003 , 790, 99-114	3.2	59
301	Adsorption isotherms of 17beta-estradiol on granular activated carbon (GAC). <i>Chemosphere</i> , 2001 , 44, 1573-9	8.4	56
300	Affinity monoliths generated by in situ polymerization of the ligand. <i>Analytical Chemistry</i> , 2001 , 73, 5126-32	3.2	56
299	Hydrophobic interaction chromatography of proteins IV. Kinetics of protein spreading. <i>Journal of Chromatography A</i> , 2007 , 1139, 84-94	4.5	55
298	Preparative chromatography of biomolecules. <i>Journal of Chromatography A</i> , 1993 , 639, 3-16	4.5	55
297	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	3.9	53
296	Hydrophobic interaction chromatography of proteins: thermodynamic analysis of conformational changes. <i>Journal of Chromatography A</i> , 2010 , 1217, 184-90	4.5	53

295	Prediction of the preparative chromatography performance with a very small column. <i>Journal of Chromatography A</i> , 1997 , 760, 41-53	4.5	52
294	Charge heterogeneity: Basic antibody charge variants with increased binding to Fc receptors. <i>MABs</i> , 2016 , 8, 1548-1560	6.6	51
293	Hydrophobic interaction chromatography of proteins V. Quantitative assessment of conformational changes. <i>Journal of Chromatography A</i> , 2008 , 1198-1199, 154-63	4.5	51
292	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	10.2	49
291	Angiotensin inhibition stimulates PPARgamma and the release of visfatin. <i>European Journal of Clinical Investigation</i> , 2008 , 38, 820-6	4.6	48
290	Chromatographic and electrophoretic characterization of protein variants. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006 , 841, 110-22	3.2	48
289	Impact of Cavitation, High Shear Stress and Air/Liquid Interfaces on Protein Aggregation. <i>Biotechnology Journal</i> , 2018 , 13, e1800062	5.6	47
288	Potential health-modulating effects of isoflavones and metabolites via activation of PPAR and AhR. <i>Nutrients</i> , 2010 , 2, 241-79	6.7	47
287	Continuous matrix-assisted refolding of proteins. <i>Journal of Chromatography A</i> , 2003 , 1009, 119-32	4.5	47
286	Scaleup of monoclonal antibody purification using radial streaming ion exchange chromatography. <i>Biotechnology and Bioengineering</i> , 1988 , 32, 326-33	4.9	47
285	Purification of HIV-1 gag virus-like particles and separation of other extracellular particles. <i>Journal of Chromatography A</i> , 2016 , 1455, 93-101	4.5	47
284	Retention studies of DNA on anion-exchange monolith chromatography Binding site and elution behavior. <i>Journal of Chromatography A</i> , 2007 , 1144, 155-60	4.5	46
283	Continuous polyethylene glycol precipitation of recombinant antibodies: Sequential precipitation and resolubilization. <i>Process Biochemistry</i> , 2016 , 51, 325-332	4.8	45
282	Continuous precipitation of IgG from CHO cell culture supernatant in a tubular reactor. <i>Biotechnology Journal</i> , 2015 , 10, 1196-205	5.6	45
281	Microheterogeneity of Recombinant Antibodies: Analytics and Functional Impact. <i>Biotechnology Journal</i> , 2018 , 13, 1700476	5.6	43
280	Effect of nonpersistent pesticides on estrogen receptor, androgen receptor, and aryl hydrocarbon receptor. <i>Environmental Toxicology</i> , 2014 , 29, 1201-16	4.2	43
279	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	4.5	42
278	High-performance monolith affinity chromatography for fast quantitation of immunoglobulin G. <i>Journal of Chromatography A</i> , 2009 , 1216, 2676-82	4.5	42

277	2-D DIGE to expedite downstream process development for human monoclonal antibody purification. <i>Protein Expression and Purification</i> , 2009 , 66, 58-65	2	41
276	Stem cell separation: a bottleneck in stem cell therapy. <i>Biotechnology Journal</i> , 2010 , 5, 50-61	5.6	41
275	Ion-exchange chromatography. <i>Methods in Enzymology</i> , 2009 , 463, 349-71	1.7	40
274	Red clover extract: a source for substances that activate peroxisome proliferator-activated receptor alpha and ameliorate the cytokine secretion profile of lipopolysaccharide-stimulated macrophages. <i>Menopause</i> , 2010 , 17, 379-87	2.5	40
273	Effect of mycorrhization on the isoflavone content and the phytoestrogen activity of red clover. <i>Journal of Plant Physiology</i> , 2008 , 165, 1161-7	3.6	40
272	Comparison of protein A, protein G and copolymerized hydroxyapatite for the purification of human monoclonal antibodies. <i>Journal of Chromatography A</i> , 1989 , 476, 257-68	4.5	40
271	Ethanol precipitation for purification of recombinant antibodies. <i>Journal of Biotechnology</i> , 2014 , 188, 17-28	3.7	39
270	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	4.5	39
269	Pumpkin seed extract: Cell growth inhibition of hyperplastic and cancer cells, independent of steroid hormone receptors. <i>Floterap</i> , 2016 , 110, 150-6	3.2	38
268	Endocrine disruptors fludioxonil and fenhexamid stimulate miR-21 expression in breast cancer cells. <i>Toxicological Sciences</i> , 2013 , 131, 71-83	4.4	38
267	Transcriptional activities of estrogen receptor alpha and beta in yeast properties of raloxifene. <i>Biochemical Pharmacology</i> , 2001 , 62, 953-61	6	38
266	Capture of human monoclonal antibodies from cell culture supernatant by ion exchange media exhibiting high charge density 1998 , 60, 689-698		37
265	Matrix assisted refolding of proteins by ion exchange chromatography. <i>Journal of Biotechnology</i> , 2005 , 117, 83-97	3.7	37
264	Highly linear pH gradients for analyzing monoclonal antibody charge heterogeneity in the alkaline range. <i>Journal of Chromatography A</i> , 2013 , 1319, 65-71	4.5	36
263	Red clover extract: a putative source for simultaneous treatment of menopausal disorders and the metabolic syndrome. <i>Menopause</i> , 2008 , 15, 1120-31	2.5	36
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, 275-84	3.7	36
261	Small cause, large effect: Structural characterization of cutinases from <i>Thermobifida cellulolytica</i> . <i>Biotechnology and Bioengineering</i> , 2017 , 114, 2481-2488	4.9	35
260	Culinary plants, herbs and spices [A rich source of PPAR ligands. <i>Food Chemistry</i> , 2009 , 117, 660-667	8.5	35

259	Adsorption of plasmid DNA on anion exchange chromatography media. <i>Journal of Separation Science</i> , 2008 , 31, 2605-18	3-4	35
258	Affinity of the monoclonal antibody M1 directed against the FLAG peptide. <i>Journal of Chromatography A</i> , 2001 , 921, 25-30	4-5	35
257	High speed immuno-affinity chromatography on supports with gigapores and porous glass. <i>Bioseparation</i> , 2000 , 9, 259-68		34
256	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, 167-78	3-2	33
255	Directed immobilization of peptide ligands to accessible pore sites by conjugation with a placeholder molecule. <i>Analytical Chemistry</i> , 2003 , 75, 543-8	7-8	33
254	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	2	33
253	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	4-5	32
252	Combined polyethylene glycol and CaCl ₂ precipitation for the capture and purification of recombinant antibodies. <i>Process Biochemistry</i> , 2014 , 49, 2001-2009	4-8	32
251	PPAR α activation by culinary herbs and spices. <i>Planta Medica</i> , 2011 , 77, 497-504	3-1	32
250	Branched polyethylene glycol for protein precipitation. <i>Biotechnology and Bioengineering</i> , 2012 , 109, 736-46	4-9	31
249	Spore germination of <i>Trichoderma atroviride</i> is inhibited by its LysM protein TAL6. <i>FEBS Journal</i> , 2013 , 280, 1226-36	5-7	31
248	Mutational analysis of a blood coagulation factor VIII-binding peptide. <i>Chemical Biology and Drug Design</i> , 2002 , 59, 174-82		31
247	Direct synthesis of peptides on convective interaction media monolithic columns for affinity chromatography. <i>ACS Combinatorial Science</i> , 2002 , 4, 33-7		31
246	Isoprotein analysis by ion-exchange chromatography using a linear pH gradient combined with a salt gradient. <i>Journal of Chromatography A</i> , 1993 , 639, 41-49	4-5	31
245	Purification of infective baculoviruses by monoliths. <i>Journal of Chromatography A</i> , 2013 , 1290, 36-45	4-5	30
244	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, 141-9	4-5	30
243	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	4-5	30
242	Kinetic analysis of estrogen receptor homo- and heterodimerization in vitro. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2003 , 84, 141-8	5-1	30

241	Microheterogeneity of therapeutic monoclonal antibodies is governed by changes in the surface charge of the protein. <i>Biotechnology Journal</i> , 2016 , 11, 1617-1627	5.6	30
240	Detection of aggregate formation during production of human immunoglobulin G by means of light scattering. <i>Journal of Chromatography A</i> , 2004 , 1043, 41-6	4.5	29
239	Purification of human recombinant superoxide dismutase by isoelectric focusing in a multicompartement electrolyzer with zwitterionic membranes. <i>Electrophoresis</i> , 1994 , 15, 647-53	3.6	28
238	Refolding of Npro fusion proteins. <i>Biotechnology and Bioengineering</i> , 2009 , 104, 774-84	4.9	27
237	Atomistic structure of monomolecular surface layer self-assemblies: toward functionalized nanostructures. <i>ACS Nano</i> , 2011 , 5, 2288-97	16.7	26
236	Screening for peptide affinity ligands on CIM monoliths. <i>Biotechnology and Bioengineering</i> , 2002 , 79, 733-40	4.9	26
235	GFP-reporter for a high throughput assay to monitor estrogenic compounds. <i>Journal of Proteomics</i> , 2005 , 64, 19-37		26
234	Continuous removal of protein aggregates by annular chromatography. <i>Biotechnology Progress</i> , 2001 , 17, 140-9	2.8	26
233	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, 124-30	4.5	25
232	Isoflavones are safe compounds for therapeutical applications - evaluation of in vitro data. <i>Gynecological Endocrinology</i> , 2009 , 25, 554-80	2.4	25
231	Preparative continuous annular chromatography (P-CAC), a review. <i>Bioprocess and Biosystems Engineering</i> , 2002 , 25, 129-40	3.7	25
230	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	4.5	25
229	Improved performance of protein separation by continuous annular chromatography in the size-exclusion mode. <i>Journal of Chromatography A</i> , 2001 , 921, 15-24	4.5	25
228	Insights into the chromatography of proteins provided by mathematical modeling. <i>Current Opinion in Biotechnology</i> , 1996 , 7, 210-218	11.4	25
227	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. <i>Biomedical Applications</i> , 1989 , 497, 59-68		25
226	Red wine: a source of potent ligands for peroxisome proliferator-activated receptor α . <i>Food and Function</i> , 2011 , 2, 28-38	6.1	24
225	Androgen receptor transactivation assay using green fluorescent protein as a reporter. <i>Analytical Biochemistry</i> , 2008 , 373, 263-71	3.1	24
224	Capture and intermediate purification of recombinant antibodies with combined precipitation methods. <i>Biochemical Engineering Journal</i> , 2015 , 93, 200-211	4.2	23

223	Getting ready for PAT: Scale up and inline monitoring of protein refolding of Npro fusion proteins. <i>Process Biochemistry</i> , 2014 , 49, 1113-1121	4.8	23
222	Peptide affinity chromatography of human clotting factor VIII. Screening of the vWF-binding domain. <i>Biomedical Applications</i> , 1998 , 715, 191-201		23
221	Dispersion effects in preparative polymethacrylate monoliths operated in radial-flow columns. <i>Journal of Proteomics</i> , 2007 , 70, 87-94		23
220	Mapping of FVIII inhibitor epitopes using cellulose-bound synthetic peptide arrays. <i>Journal of Immunological Methods</i> , 2006 , 308, 90-100	2.5	23
219	Control method for integrity of continuous beds. <i>Journal of Chromatography A</i> , 2001 , 908, 179-84	4.5	23
218	Pilot scale production of a human monoclonal antibody against human immunodeficiency virus HIV-1. <i>Journal of Proteomics</i> , 1989 , 19, 223-40		23
217	Comparison of hormonal activity of isoflavone-containing supplements used to treat menopausal complaints. <i>Menopause</i> , 2009 , 16, 1049-60	2.5	22
216	Determination of estrogenic activity in beer by biological and chemical means. <i>Journal of Agricultural and Food Chemistry</i> , 2001 , 49, 633-40	5.7	22
215	17 beta-estradiol: behavior during waste water analyses. <i>Chemosphere</i> , 1999 , 39, 1903-9	8.4	22
214	Structural and functional analysis of N-terminal point mutants of the human estrogen receptor. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1996 , 57, 293-300	5.1	22
213	Manufacture of recombinant proteins with safe and validated chromatographic sorbents. <i>Biomedical Applications</i> , 1994 , 662, 143-79		22
212	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, 107-17	4.5	21
211	Effects of ultra-/diafiltration conditions on present aggregates in human immunoglobulin G preparations. <i>Journal of Membrane Science</i> , 2006 , 274, 108-115	9.6	21
210	Agonistic and synergistic activity of tamoxifen in a yeast model system. <i>Biochemical Pharmacology</i> , 2000 , 59, 177-85	6	21
209	Continuous cell flocculation for recombinant antibody harvesting. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 1881-1890	3.5	21
208	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	4.9	20
207	Influence of cavitation and high shear stress on HSA aggregation behavior. <i>Engineering in Life Sciences</i> , 2018 , 18, 169-178	3.4	20
206	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, 7851-64	4.5	20

205	Short cut of protein purification by integration of cell-disrupture and affinity extraction. <i>Bioseparation</i> , 2000 , 9, 59-67		20
204	Protein expression in yeast; comparison of two expression strategies regarding protein maturation. <i>Journal of Biotechnology</i> , 2000 , 84, 237-48	3.7	20
203	Continuous integrated antibody precipitation with two-stage tangential flow microfiltration enables constant mass flow. <i>Biotechnology and Bioengineering</i> , 2019 , 116, 1053-1065	4.9	20
202	Anything but Conventional Chromatography Approaches in Bioseparation. <i>Biotechnology Journal</i> , 2020 , 15, e1900274	5.6	19
201	Liquid formulations for stabilizing IgMs during physical stress and long-term storage. <i>Pharmaceutical Research</i> , 2013 , 30, 735-50	4.5	19
200	Estrogen-like effects of wine extracts on nitric oxide synthesis in human endothelial cells. <i>Maturitas</i> , 2011 , 70, 169-75	5	19
199	Estradiol regulates aryl hydrocarbon receptor expression in the rat uterus. <i>Molecular and Cellular Endocrinology</i> , 2010 , 321, 253-7	4.4	19
198	Protein expression strategies for identification of novel target proteins. <i>Journal of Biomolecular Screening</i> , 2000 , 5, 89-97		19
197	Isolation of human monoclonal antibody isoproteins by preparative isoelectric focusing in immobilized pH gradients. <i>Journal of Proteomics</i> , 1989 , 18, 309-22		19
196	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	4.5	18
195	Liquid formulations for long-term storage of monoclonal IgGs. <i>Applied Biochemistry and Biotechnology</i> , 2013 , 169, 1431-48	3.2	18
194	Red clover and soy isoflavones--an in vitro safety assessment. <i>Gynecological Endocrinology</i> , 2011 , 27, 1037-42	2.4	18
193	EDDIE fusion proteins: Triggering autoproteolytic cleavage. <i>Process Biochemistry</i> , 2009 , 44, 1217-1224	4.8	18
192	Binding site and elution behavior of DNA and other large biomolecules in monolithic anion-exchange chromatography. <i>Journal of Chromatography A</i> , 2009 , 1216, 2616-20	4.5	18
191	Adsorption isotherms in protein chromatography combined influence of protein and salt concentration on adsorption isotherm. <i>Journal of Chromatography A</i> , 1996 , 734, 183-194	4.5	18
190	Shifts of isoelectric points between cellular and secreted antibodies as revealed by isoelectric focusing and immobilized pH gradients. <i>Electrophoresis</i> , 1990 , 11, 966-9	3.6	18
189	Crystallization of the Fab from a human monoclonal antibody against gp 41 of human immunodeficiency virus type I. <i>Journal of Molecular Biology</i> , 1990 , 216, 511-2	6.5	18
188	Globular Head-Displayed Conserved Influenza H1 Hemagglutinin Stalk Epitopes Confer Protection against Heterologous H1N1 Virus. <i>PLoS ONE</i> , 2016 , 11, e0153579	3.7	18

187	Truly continuous low pH viral inactivation for biopharmaceutical process integration. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 1406-1417	4.9	17
186	Eriosema laurentii 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 ⁵		17
185	Continuous separation of protein loaded nanoparticles by simulated moving bed chromatography. <i>Journal of Chromatography A</i> , 2014 , 1349, 44-9	4.5	17
184	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	3.9	17
183	Monolith peptide affinity chromatography for quantification of immunoglobulin M. <i>Journal of Chromatography A</i> , 2011 , 1218, 2374-80	4.5	17
182	Refolding of proteins in a CSTR. <i>Chemical Engineering Science</i> , 2005 , 60, 5770-5780	4.4	17
181	Continuous separation of green fluorescent protein by annular chromatography. <i>Journal of Chromatography A</i> , 2001 , 908, 243-50	4.5	17
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