

Xavier Santarelli

List of Publications by Year in descending order

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55
papers

1,120
citations

394421

19
h-index

434195

31
g-index

61
all docs

61
docs citations

61
times ranked

1077
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibody capture by mixed-mode chromatography: A comprehensive study from determination of optimal purification conditions to identification of contaminating host cell proteins. <i>Journal of Chromatography A</i> , 2011, 1218, 8197-8208.	3.7	127
2	Dextran-coated silica packings for high-performance size-exclusion chromatography of proteins. <i>Journal of Chromatography A</i> , 1988, 443, 55-62.	3.7	73
3	Modification of flavonoid using lipase in non-conventional media: effect of the water content. <i>Journal of Biotechnology</i> , 2003, 101, 29-36.	3.8	69
4	Purification, Cloning, and Characterization of an Acidic Ectoprotein Phosphatase Differentially Expressed in the Infectious Bloodstream Form of <i>Trypanosoma brucei</i> . <i>Journal of Biological Chemistry</i> , 2000, 275, 8863-8871.	3.4	53
5	Cation exchange versus multimodal cation exchange resins for antibody capture from CHO supernatants: Identification of contaminating Host Cell Proteins by mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 942-943, 126-133.	2.3	51
6	On-column refolding of an insoluble histidine tag recombinant exopolyphosphatase from <i>Trypanosoma brucei</i> overexpressed in <i>Escherichia coli</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 786, 305-309.	2.3	49
7	Structure-activity relationship of human liver-expressed antimicrobial peptide 2. <i>Peptides</i> , 2010, 31, 58-66.	2.4	43
8	Purification process of recombinant monoclonal antibodies with mixed mode chromatography. <i>Journal of Chromatography A</i> , 2015, 1393, 57-64.	3.7	43
9	Three-step chromatographic purification procedure for the production of a His-tag recombinant kinesin overexpressed in <i>E. coli</i> . <i>Biomedical Applications</i> , 2000, 737, 143-150.	1.7	35
10	Regioselective acylation of flavonoids catalyzed by immobilized <i>Candida antarctica</i> lipase under reduced pressure. <i>Biotechnology Letters</i> , 2004, 26, 1073-1076.	2.2	35
11	Purification and on-column refolding of EGFP overexpressed as inclusion bodies in <i>Escherichia coli</i> with expanded bed anion exchange chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 818, 23-27.	2.3	30
12	Penicillin acylase purification with the aid of hydrophobic charge induction chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 808, 111-115.	2.3	29
13	Characterization and application of new macroporous membrane ion exchangers. <i>Biomedical Applications</i> , 1998, 706, 13-22.	1.7	25
14	Evaluation of radial chromatography versus axial chromatography, practical approach†. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 845, 191-199.	2.3	25
15	A comprehensive evaluation of mixed mode interactions of HEA and PPA HyperCel®, chromatographic media. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 976-977, 68-77.	2.3	25
16	Evidence that oleoyl-CoA and ATP-dependent elongations coexist in rapeseed (<i>Brassica napus</i> L.). <i>FEBS Journal</i> , 1999, 263, 464-470.	0.2	22
17	Cloning, expression and two-step purification of recombinant His-tag enhanced green fluorescent protein over-expressed in <i>Escherichia coli</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 786, 153-159.	2.3	21
18	In Vivo Phage Display to Identify New Human Antibody Fragments Homing to Atherosclerotic Endothelial and Subendothelial Tissues. <i>American Journal of Pathology</i> , 2012, 180, 2576-2589.	3.8	21

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19	On-line purification of His-tag enhanced green fluorescent protein taken directly from a bioreactor by continuous ultrasonic homogenization coupled with immobilized metal affinity expanded bed adsorption. <i>Journal of Chromatography A</i> , 2002, 968, 113-120.	3.7	19
20	Efficient purification of recombinant proteins fused to maltose-binding protein by mixed-mode chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 4451-4456.	3.7	19
21	A Novel C-terminal Kinesin Is Essential for Maintaining Functional Acidocalcisomes in <i>Trypanosoma brucei</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 49117-49124.	3.4	18
22	Penicillin acylase purification with the aid of pseudo-affinity chromatography. <i>Journal of Proteomics</i> , 2001, 49, 553-560.	2.4	16
23	Evaluation of immobilized metal affinity chromatography for purification of penicillin acylase. <i>Biomedical Applications</i> , 2001, 754, 135-140.	1.7	16
24	A Recombinant Human Anti-Platelet scFv Antibody Produced in <i>Pichia pastoris</i> for Atheroma Targeting. <i>PLoS ONE</i> , 2017, 12, e0170305.	2.5	15
25	Three-step purification of bacterially expressed human single-chain Fv antibodies for clinical applications. <i>Biomedical Applications</i> , 2000, 737, 107-117.	1.7	14
26	Chromatographic purification of an insoluble histidine tag recombinant Ykt6p SNARE from <i>Arabidopsis thaliana</i> over-expressed in <i>E. coli</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 808, 83-89.	2.3	14
27	Evaluation of three expanded bed adsorption anion exchange matrices with the aid of recombinant enhanced green fluorescent protein overexpressed in <i>Escherichia coli</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 808, 91-97.	2.3	13
28	Large-scale production, bacterial localization assessment and immobilized metal affinity chromatography purification of a human single-chain Fv antibody against α IIb- β 3 integrin. <i>International Journal of Biological Macromolecules</i> , 2006, 39, 51-59.	7.5	13
29	Purification of an alcohol dehydrogenase involved in the conversion of methional to methionol in <i>Oenococcus oeni</i> IOEB 8406. <i>Applied Microbiology and Biotechnology</i> , 2009, 82, 87-94.	3.6	13
30	Mixed Mode Chromatography: A Novel Way Toward New Selectivity. <i>Current Protein and Peptide Science</i> , 2018, 20, 14-21.	1.4	13
31	Preparation, evaluation and application of new pseudo-affinity chromatographic supports for penicillin acylase purification. <i>Biomedical Applications</i> , 2000, 739, 63-72.	1.7	12
32	Efficient two-step chromatographic purification of penicillin acylase from clarified <i>Escherichia coli</i> ultrasonic homogenate. <i>Biomedical Applications</i> , 2001, 753, 45-50.	1.7	10
33	Evaluation of chromatographic recycling for imidazole used in the chromatographic purification of His-tag recombinant proteins. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 790, 153-159.	2.3	10
34	Production of a human monoclonal IgM directed against human cardiac myosin in a hollow-fiber bioreactor for Membrane Anion Exchange Chromatography one-step purification. <i>Human Antibodies</i> , 2004, 13, 69-79.	1.5	10
35	LdARL-1 His-tagged recombinant protein: purification by immobilized metal affinity expanded bed adsorption. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 818, 19-22.	2.3	10
36	Comparative study of strong anion exchangers: Structure-related chromatographic performances. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 2443-2450.	2.3	10

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37	High yield of recombinant human Apolipoprotein Aâ€ expressed in <i>Pichia pastoris</i> by using mixed-mode chromatography. <i>Biotechnology Journal</i> , 2016, 11, 117-126.	3.5	10
38	One-Step Purification of <i>Enterocytozoon bieneusi</i> Spores from Human Stools by Immunoaffinity Expanded-Bed Adsorption. <i>Journal of Clinical Microbiology</i> , 2001, 39, 1947-1951.	3.9	8
39	Rapid screening of purification strategies for the capture of a human recombinant F(abâ€)2 expressed in baculovirus-infected cells using a micro-plate approach and SELDI-MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 2428-2434.	2.3	8
40	A study on the nature of interactions of mixed-mode ligands HEA and PPA HyperCel using phenylglyoxal modified lysozyme. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 960, 209-213.	2.3	8
41	Study by X-ray diffraction of the geometrical shape of glycoprotein sugar chains in two model glycoconjugates, a liposaccharide and a phospholiposaccharide, having the same sugar chain. <i>Carbohydrate Research</i> , 1986, 149, 309-318.	2.3	7
42	Mixed Mode Chromatography, Complex Development for Large Opportunities. <i>Current Protein and Peptide Science</i> , 2018, 20, 22-27.	1.4	7
43	Title is missing!. <i>Die Makromolekulare Chemie</i> , 1985, 186, 2375-2382.	1.1	6
44	New phospholiposaccharides as model glycoconjugates. Synthesis and structural study. <i>Die Makromolekulare Chemie</i> , 1986, 187, 485-496.	1.1	6
45	One-step chromatographic purification procedure of a His-tag recombinant carboxyl half part of the HTLV-I surface envelope glycoprotein overexpressed in <i>Escherichia coli</i> as a secreted form. <i>Biomedical Applications</i> , 2001, 753, 17-22.	1.7	6
46	Improvement in production and purification bioprocesses of bacterially expressed anti- α 1bbeta3 human single-chain FV antibodies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 818, 43-51.	2.3	6
47	Production and purification of recombinant human hepcidin-25 with authentic N and C-termini. <i>Journal of Biotechnology</i> , 2015, 195, 89-92.	3.8	6
48	Electrodeposition of Polymer Nanodots with Controlled Density and Their Reversible Functionalization by Polyhistidine-Tag Proteins. <i>Langmuir</i> , 2012, 28, 13968-13975.	3.5	5
49	Evaluation of Matrex cellulose GH 25. <i>Journal of Proteomics</i> , 2003, 56, 69-78.	2.4	4
50	Evidence for specific interaction between the RhoGAP domain from the yeast Rgd1 protein and phosphoinositides. <i>Biochemical and Biophysical Research Communications</i> , 2011, 405, 74-78.	2.1	4
51	Arginyl residues are involved in acyl-CoA binding to the elongase from etiolated leek seedlings. <i>Lipids and Lipid Metabolism</i> , 1998, 1391, 357-366.	2.6	2
52	Media Selection in Ion-Exchange Chromatography in a Single Microplate. <i>Methods in Molecular Biology</i> , 2014, 1129, 45-51.	0.9	2
53	Comparative study of strong cation exchangers: Structure-related chromatographic performances. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1080, 1-10.	2.3	1
54	Production, in <i>Pichia pastoris</i> , of a recombinant monomeric mapacalcine, a protein with anti-ischemic properties. <i>Biochemistry and Biophysics Reports</i> , 2015, 4, 299-305.	1.3	0

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55	Media Selection in Ion Exchange Chromatography in a Single Microplate. Methods in Molecular Biology, 2021, 2178, 27-33.	0.9	0