

Marco Rito-Palomares

List of Publications by Year in descending order

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158
papers

4,209
citations

125106

35
h-index

162838

57
g-index

160
all docs

160
docs citations

160
times ranked

3454
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a simple and flexible enzyme-based platform for the colorimetric detection of multiple biomarkers in non-conventional biofluids. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 1959-1965.	1.6	1
2	Purification of xylanase from <i>Aspergillus niger</i> NRRL3 extract by an integrated strategy based on aqueous two-phase systems followed by ion exchange chromatography. <i>Separation and Purification Technology</i> , 2021, 255, 117699.	3.9	11
3	Economic analysis of the production and recovery of green fluorescent protein using ATPS-based bioprocesses. <i>Separation and Purification Technology</i> , 2021, 254, 117595.	3.9	16
4	Influence of tie line length and volume ratio on the partition behavior of peripheral blood and conjugated CD34 antibody in polymer-polymer aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2021, 257, 117830.	3.9	7
5	Alternative acetone-water separation process through the application of aqueous two-phase systems. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 578-582.	1.6	3
6	Microcarrier-based stem cell bioprocessing: GMP-grade culture challenges and future trends for regenerative medicine. <i>Critical Reviews in Biotechnology</i> , 2021, 41, 1081-1095.	5.1	15
7	Stem cell culture media enriched with plant-derived compounds: Cell proliferation enhancement. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 2426-2435.	1.6	2
8	Cover Image, Volume 96, Issue 9. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, i.	1.6	0
9	Purification of Modified Therapeutic Proteins Available on the Market: An Analysis of Chromatography-Based Strategies. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 717326.	2.0	19
10	Aqueous Two-Phase Systems for Cleanup and Recovery of Enzymes from Plants and Plant-Derived Extracts. <i>Methods in Molecular Biology</i> , 2021, 2178, 65-79.	0.4	1
11	Evaluation of the Immune Response of a Candidate Phage-Based Vaccine against <i>Rhipicephalus microplus</i> (Cattle Tick). <i>Pharmaceutics</i> , 2021, 13, 2018.	2.0	2
12	Enzymatic Methods for Salivary Biomarkers Detection: Overview and Current Challenges. <i>Molecules</i> , 2021, 26, 7026.	1.7	9
13	Characterization and optimization of immunoaffinity aqueous two-phase systems with PEGylated CD133/biotin antibody in route to stem cell separation. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 123-131.	1.6	3
14	Cell-based aqueous two-phase systems for therapeutics. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 8-10.	1.6	8
15	Bacteriophage-Based Vaccines: A Potent Approach for Antigen Delivery. <i>Vaccines</i> , 2020, 8, 504.	2.1	46
16	Aqueous two-phase extraction of phenolic compounds from <i>Sedum dendroideum</i> with antioxidant activity and anti-proliferative properties against breast cancer cells. <i>Separation and Purification Technology</i> , 2020, 251, 117341.	3.9	16
17	Economic evaluation of M13 bacteriophage production at large-scale for therapeutic applications using aqueous Two-Phase systems. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 2822-2833.	1.6	11
18	Low-sugar content betaxanthins extracts from yellow pitaya (<i>Stenocereus pruinosus</i>). <i>Food and Bioproducts Processing</i> , 2020, 121, 178-185.	1.8	17

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19	Ribonuclease A modification with poly[<i>N</i> -(2-hydroxypropyl) methacrylamide] copolymers: new route of synthesis and purification. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 1321-1328.	1.6	2
20	Cover Image, Volume 95, Issue 5. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, i.	1.6	0
21	Laccases in Food Industry: Bioprocessing, Potential Industrial and Biotechnological Applications. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 222.	2.0	97
22	Recent advances in antibody-based monolith chromatography for therapeutic applications. , 2020, , 105-116.		2
23	Aqueous Two-Phase Systems at Large Scale: Challenges and Opportunities. <i>Biotechnology Journal</i> , 2019, 14, e1800117.	1.8	57
24	Strategies based on aqueous two-phase systems for the separation of laccase from protease produced by <i>Pleurotus ostreatus</i> . <i>Fluid Phase Equilibria</i> , 2019, 502, 112281.	1.4	7
25	Economic evaluation of the development of a phage therapy product for the control of <i>Salmonella</i> in poultry. <i>Biotechnology Progress</i> , 2019, 35, e2852.	1.3	27
26	Continuous aqueous two-phase extraction of microalgal C-phycoyanin using a coiled flow inverter. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019, 142, 107554.	1.8	22
27	Ex vivo Manufactured Neutrophils for Treatment of Neutropenia—A Process Economic Evaluation. <i>Frontiers in Medicine</i> , 2019, 6, 21.	1.2	14
28	Development and Characterization of PEGylated Chromatographic Monoliths as a Novel Platform for the Separation of PEGylated RNase A Isomers. <i>Advances in Polymer Technology</i> , 2019, 2019, 1-10.	0.8	2
29	Thermo-separating polymer-based aqueous two-phase systems for the recovery of PEGylated lysozyme species. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1105, 120-128.	1.2	9
30	Aqueous two-phase systems for the recovery and purification of phage therapy products: Recovery of salmonella bacteriophage ϕ -San23 as a case study. <i>Separation and Purification Technology</i> , 2019, 211, 322-329.	3.9	12
31	Economic evaluation of the primary recovery of tetracycline with traditional and novel aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2018, 203, 178-184.	3.9	17
32	Step by Step with ELISA: Mechanism of Operation, Crucial Elements, Different Protocols, and Insights on Immobilization and Detection of Various Biomolecular Entities. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2018, , 31-56.	0.2	1
33	General Overviews on Applications of ELISA. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2018, , 19-29.	0.2	4
34	Evaluation of the Detection Results Obtained from ELISA. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2018, , 57-66.	0.2	0
35	Advantages, Disadvantages and Modifications of Conventional ELISA. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2018, , 67-115.	0.2	50
36	Simulation of mono-PEGylated lysozyme separation in heparin affinity chromatography using a general rate model. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1980-1987.	1.6	2

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37	Novel aspects and future trends in the use of aqueous two-phase systems as a bioengineering tool. Journal of Chemical Technology and Biotechnology, 2018, 93, 1836-1844.	1.6	24
38	Practical experiences from the bench-scale implementation of a bioprocess for fucoxanthin production. Journal of Chemical Technology and Biotechnology, 2018, 93, 2033-2039.	1.6	7
39	Factorial and Economic Evaluation of an Aqueous Two-Phase Partitioning Pilot Plant for Invertase Recovery From Spent Brewery Yeast. Frontiers in Chemistry, 2018, 6, 454.	1.8	6
40	Improved recovery of bacteriophage M13 using an ATPS-based bioprocess. Biotechnology Progress, 2018, 34, 1177-1184.	1.3	2
41	Is Bioseparation still the limiting step in bioprocess development?. Journal of Chemical Technology and Biotechnology, 2018, 93, 1813-1814.	1.6	0
42	Monte Carlo economic analysis of Baker's yeast invertase purification using two- and three-phase partitioning. Journal of Chemical Technology and Biotechnology, 2018, 93, 2511-2517.	1.6	7
43	Monolithic chromatography: insights and practical perspectives. Journal of Chemical Technology and Biotechnology, 2017, 92, 9-13.	1.6	17
44	Partial purification of a polygalacturonase from a new <i>Aspergillus sojae</i> mutant and its application in grape mash maceration. International Journal of Food Science and Technology, 2017, 52, 834-842.	1.3	2
45	Optimized purification of mono-PEGylated lysozyme by heparin affinity chromatography using response surface methodology. Journal of Chemical Technology and Biotechnology, 2017, 92, 2554-2562.	1.6	13
46	Recovery of PEGylated and native lysozyme using an <i>in situ</i> aqueous two-phase system directly from the PEGylation reaction. Journal of Chemical Technology and Biotechnology, 2017, 92, 2519-2526.	1.6	9
47	Refolding of laccase from <i>Trametes versicolor</i> using aqueous two phase systems: Effect of different additives. Journal of Chromatography A, 2017, 1507, 25-31.	1.8	8
48	In Focus: Biotechnology and chemical technology for biorefineries and biofuel production. Journal of Chemical Technology and Biotechnology, 2017, 92, 897-898.	1.6	3
49	Characterization of Aqueous Two-Phase Systems and Their Potential New Applications. Food Engineering Series, 2017, , 19-33.	0.3	1
50	Cover Image, Volume 92, Issue 1. Journal of Chemical Technology and Biotechnology, 2017, 92, i-i.	1.6	0
51	Recovery and primary purification of bacteriophage M13 using aqueous two-phase systems. Journal of Chemical Technology and Biotechnology, 2017, 92, 2808-2816.	1.6	20
52	Integration of cell harvest with affinity-enhanced purification of monoclonal antibodies using aqueous two-phase systems with a dual tag ligand. Separation and Purification Technology, 2017, 173, 129-134.	3.9	26
53	General Concepts and Definitions of Aqueous Two-Phase Systems. Food Engineering Series, 2017, , 1-18.	0.3	7
54	Affinity ATPS Strategies for the Selective Fractionation of Biomolecules. Food Engineering Series, 2017, , 97-121.	0.3	1

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55	Process Economics: Evaluation of the Potential of ATPS as a Feasible Alternative to Traditional Fractionation Techniques. Food Engineering Series, 2017, , 161-178.	0.3	1
56	Perspectives and Future Trends in Aqueous Two-Phase System-Based Technology. Food Engineering Series, 2017, , 179-185.	0.3	0
57	PEGylated protein separation using different hydrophobic interaction supports: Conventional and monolithic supports. Biotechnology Progress, 2016, 32, 702-707.	1.3	13
58	Dielectrophoretic behavior of PEGylated RNase A inside a microchannel with diamond-shaped insulating posts. Electrophoresis, 2016, 37, 519-528.	1.3	17
59	Intensified fractionation of brewery yeast waste for the recovery of invertase using aqueous two-phase systems. Biotechnology and Applied Biochemistry, 2016, 63, 886-894.	1.4	10
60	An integrated practical implementation of continuous aqueous two-phase systems for the recovery of human IgG: From the microdevice to a multistage bench-scale mixer-settler device. Biotechnology Journal, 2016, 11, 708-716.	1.8	21
61	Flotation Immunoassay: Masking the Signal from Free Reporters in Sandwich Immunoassays. Scientific Reports, 2016, 6, 24297.	1.6	11
62	Modelling of electrokinetic phenomena for capture of PEGylated ribonuclease A in a microdevice with insulating structures. Biomicrofluidics, 2016, 10, 033106.	1.2	21
63	Covalent immobilization of antibodies for the preparation of immunoaffinity chromatographic supports. Separation Science and Technology, 2016, 51, 1736-1743.	1.3	6
64	Synthesis of adsorbents with dendronic structures for protein hydrophobic interaction chromatography. Journal of Chromatography A, 2016, 1443, 191-200.	1.8	10
65	Economic analysis of pilot-scale production of B α -phycoerythrin. Biotechnology Progress, 2016, 32, 1472-1479.	1.3	17
66	A microdevice assisted approach for the preparation, characterization and selection of continuous aqueous two-phase systems: from micro to bench-scale. Lab on A Chip, 2016, 16, 2662-2672.	3.1	15
67	<i>Pleurotus ostreatus</i> laccase recovery from residual compost using aqueous two-phase systems. Journal of Chemical Technology and Biotechnology, 2016, 91, 2235-2242.	1.6	17
68	Growth kinetics and fucoxanthin production of <i>Phaeodactylum tricornutum</i> and <i>Isochrysis galbana</i> cultures at different light and agitation conditions. Journal of Applied Phycology, 2016, 28, 849-860.	1.5	91
69	Economic analysis of uricase production under uncertainty: Contrast of chromatographic purification and aqueous two-phase extraction (with and without PEG recycle). Biotechnology Progress, 2016, 32, 126-133.	1.3	26
70	Elimination of contaminants from cell preparations using aqueous two-phase partitioning. Separation and Purification Technology, 2016, 158, 103-107.	3.9	14
71	Impact of aqueous two-phase system design parameters upon the <i>in situ</i> refolding and recovery of invertase. Journal of Chemical Technology and Biotechnology, 2015, 90, 1765-1772.	1.6	18
72	Purification and Formulation of Xanthophyll for Pharmaceutical Use: Current Strategies and Future Trends. ChemBioEng Reviews, 2015, 2, 393-405.	2.6	3

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73	Insights on the downstream purification of fucoxanthin, a microalgal carotenoid, from an aqueous two-phase system stream exploiting ultrafiltration. <i>Journal of Applied Phycology</i> , 2015, 27, 1517-1523.	1.5	24
74	Economic analysis of royalactin production under uncertainty: Evaluating the effect of parameter optimization. <i>Biotechnology Progress</i> , 2015, 31, 744-749.	1.3	18
75	Application of affinity aqueous two-phase systems for the fractionation of CD133 ⁺ stem cells from human umbilical cord blood. <i>Journal of Molecular Recognition</i> , 2015, 28, 142-147.	1.1	15
76	Aldehyde PEGylation of laccase from <i>Trametes versicolor</i> in route to increase its stability: effect on enzymatic activity. <i>Journal of Molecular Recognition</i> , 2015, 28, 173-179.	1.1	19
77	Continuous enzyme aqueous two-phase extraction using a novel tubular mixer-settler in multi-step counter-current arrangement. <i>Separation and Purification Technology</i> , 2015, 141, 263-268.	3.9	28
78	A systems engineering perspective on process integration in industrial biotechnology. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 349-355.	1.6	60
79	A novel pectin-degrading enzyme complex from <i>Aspergillus sojae</i> ATCC 20235 mutants. <i>Journal of the Science of Food and Agriculture</i> , 2015, 95, 1554-1561.	1.7	9
80	Toward improving selectivity in affinity chromatography with PEGylated affinity ligands: The performance of PEGylated protein A. <i>Biotechnology Progress</i> , 2014, 30, 1364-1379.	1.3	11
81	Partition behavior of fucoxanthin in ethanol-potassium phosphate two-phase systems. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1637-1645.	1.6	33
82	Aqueous Two-Phase System Strategies for the Recovery of Proteins from Plants. <i>Methods in Molecular Biology</i> , 2014, 1129, 89-100.	0.4	4
83	Spermine Sepharose as a clustered-charge anion exchange adsorbent. <i>Journal of Chromatography A</i> , 2014, 1324, 135-140.	1.8	5
84	Partition behavior of CD133 ⁺ stem cells from human umbilical cord blood in aqueous two-phase systems: In route to establish novel stem cell primary recovery strategies. <i>Biotechnology Progress</i> , 2014, 30, 700-707.	1.3	14
85	Potential application of aqueous two-phase systems and three-phase partitioning for the recovery of superoxide dismutase from a clarified homogenate of <i>Kluyveromyces marxianus</i> . <i>Biotechnology Progress</i> , 2014, 30, 1326-1334.	1.3	15
86	Application of Aqueous Two-Phase Systems for the Recovery of Bioactive Low-Molecular Weight Compounds. <i>Separation Science and Technology</i> , 2014, 49, 1872-1882.	1.3	21
87	Microretroreflector-Sedimentation Immunoassays for Pathogen Detection. <i>Analytical Chemistry</i> , 2014, 86, 9029-9035.	3.2	11
88	A novel strategy for the purification of a recombinant protein using ceramic fluorapatite-binding peptides as affinity tags. <i>Journal of Chromatography A</i> , 2014, 1339, 26-33.	1.8	10
89	Separation of PEGylated variants of ribonuclease A and apo- α_2 -lactalbumin via reversed phase chromatography. <i>Journal of Chromatography A</i> , 2014, 1360, 209-216.	1.8	12
90	Recovery of major royal jelly protein 1 expressed in <i>Pichia pastoris</i> aqueous two-phase systems. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 941-947.	1.6	11

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91	Aqueous two-phase systems strategies to establish novel bioprocesses for stem cells recovery. <i>Critical Reviews in Biotechnology</i> , 2014, 34, 318-327.	5.1	32
92	Continuous aqueous two-phase systems devices for the recovery of biological products. <i>Food and Bioproducts Processing</i> , 2014, 92, 101-112.	1.8	70
93	Scaling-up of a B-phycoerythrin production and purification bioprocess involving aqueous two-phase systems: Practical experiences. <i>Process Biochemistry</i> , 2013, 48, 738-745.	1.8	57
94	Proteome wide evaluation of the separation ability of hydrophobic interaction chromatography by fluorescent dye binding analysis. <i>Journal of Molecular Recognition</i> , 2013, 26, 618-626.	1.1	2
95	Practical non- ϵ chromatography strategies for the potential separation of <sc>PEGylated RNase</sc> A ϵ conjugates. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 49-54.	1.6	8
96	Low- ϵ abundant protein extraction from complex protein sample using a novel continuous aqueous two- ϵ phase systems device. <i>Journal of Separation Science</i> , 2013, 36, 391-399.	1.3	20
97	Case Studies in the Application of Aqueous Two-Phase Processes for the Recovery of High Value Biological Products. <i>ACS Symposium Series</i> , 2013, , 33-50.	0.5	0
98	Effects of chemical modifications in the partition behavior of proteins in aqueous two- ϵ phase systems: A case study with <sc>RNase</sc> A. <i>Biotechnology Progress</i> , 2013, 29, 378-385.	1.3	13
99	<sc>DNA</sc> based vaccines offer improved vaccination supply for the developing world. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 979-982.	1.6	7
100	A novel process for the recovery of superoxide dismutase from yeast exploiting electroextraction coupled to direct sorption. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 1498-1505.	1.6	4
101	Advances and trends in the design, analysis, and characterization of polymer- ϵ protein conjugates for ϵ PEGylated bioprocesses. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 2225-2235.	1.9	38
102	Recovery of crocins from saffron stigmas (<i>Crocus sativus</i>) in aqueous two-phase systems. <i>Journal of Chromatography A</i> , 2012, 1236, 7-15.	1.8	58
103	Hydrophobic interaction chromatography for purification of monoPEGylated RNase A. <i>Journal of Chromatography A</i> , 2012, 1242, 11-16.	1.8	37
104	Aqueous two-phase affinity partitioning systems: Current applications and trends. <i>Journal of Chromatography A</i> , 2012, 1244, 1-13.	1.8	132
105	PEGylation, detection and chromatographic purification of site-specific PEGylated CD133-Biotin antibody in route to stem cell separation. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 893-894, 182-186.	1.2	19
106	Current strategies and challenges for the purification of stem cells. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 2-10.	1.6	26
107	Aqueous Two-Phase Systems. , 2011, , 697-713.		37
108	Aqueous Two-Phase Systems. , 2011, , 773-789.		1

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109	Colorimetric protein quantification in aqueous two-phase systems. <i>Process Biochemistry</i> , 2011, 46, 413-417.	1.8	24
110	Application of an aqueous two-phase systems strategy for the potential recovery of a recombinant protein from alfalfa (<i>Medicago sativa</i>). <i>Separation and Purification Technology</i> , 2011, 77, 94-98.	3.9	55
111	Current advances in the non-chromatographic fractionation and characterization of PEGylated proteins. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 18-25.	1.6	27
112	Potential application of aqueous two-phase systems for the fractionation of RNase A and Lactalbumin from their PEGylated conjugates. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 26-33.	1.6	35
113	Oxidation of Polycyclic Aromatic Hydrocarbons using Partially Purified Laccase from Residual Compost of <i>Agaricus bisporus</i> . <i>Chemical Engineering and Technology</i> , 2011, 34, 1368-1372.	0.9	9
114	Study of biomolecules partition coefficients on a novel continuous separator using polymer-salt aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2011, 78, 69-75.	3.9	38
115	Quantification of RNase A and Its PEGylated Conjugates on Polymer-Salt Rich Environments Using UV Spectrophotometry. <i>Analytical Letters</i> , 2011, 44, 800-814.	1.0	9
116	Application of Aqueous Two-Phase Systems for the Potential Extractive Fermentation of Cyanobacterial Products. <i>Chemical Engineering and Technology</i> , 2010, 33, 177-182.	0.9	36
117	Aqueous two-phase systems strategies for the recovery and characterization of biological products from plants. <i>Journal of the Science of Food and Agriculture</i> , 2010, 90, 1385-1392.	1.7	49
118	Potential of Aqueous Two-Phase Systems constructed on flexible devices: Human serum albumin as proof of concept. <i>Process Biochemistry</i> , 2010, 45, 1082-1087.	1.8	15
119	Coupled Application of Aqueous Two-Phase Partitioning and 2D-Electrophoresis for Characterization of Soybean Proteins. <i>Separation Science and Technology</i> , 2010, 45, 2210-2225.	1.3	9
120	Characterization of green tissue protein extract from alfalfa (<i>Medicago sativa</i>) exploiting a 3D technique. <i>Journal of Separation Science</i> , 2009, 32, 3223-3231.	1.3	26
121	Recovery of laccase from the residual compost of <i>Agaricus bisporus</i> in aqueous two-phase systems. <i>Process Biochemistry</i> , 2009, 44, 435-439.	1.8	62
122	Characterization of electrokinetic mobility of microparticles in order to improve dielectrophoretic concentration. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 293-302.	1.9	71
123	Separation of PEGylated from unmodified ribonuclease A using sepharose media. <i>Separation and Purification Technology</i> , 2009, 65, 105-109.	3.9	35
124	Processing of soybean (<i>Glycine max</i>) extracts in aqueous two-phase systems as a first step for the potential recovery of recombinant proteins. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 286-293.	1.6	23
125	Practical approach to protein recovery by countercurrent distribution in aqueous two-phase systems. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 163-166.	1.6	7
126	Practical experiences from the development of aqueous two-phase processes for the recovery of high value biological products. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 133-142.	1.6	137

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127	Bioseparation: The limiting step in bioprocess development. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 115-116.	1.6	6
128	Extraction and Purification of Bioproducts and Nanoparticles using Aqueous Two-Phase Systems Strategies. <i>Chemical Engineering and Technology</i> , 2008, 31, 838-845.	0.9	117
129	Performance characterization of an insulator-based dielectrophoretic microdevice. <i>Electrophoresis</i> , 2008, 29, 3115-3122.	1.3	66
130	Protein manipulation with insulator-based dielectrophoresis and direct current electric fields. <i>Journal of Chromatography A</i> , 2008, 1206, 45-51.	1.8	118
131	Insulator Based Dielectrophoresis: Effects of Bulk Medium Properties. , 2007, , 177.		0
132	Dielectrophoresis for the manipulation of nanobioparticles. <i>Electrophoresis</i> , 2007, 28, 4521-4538.	1.3	182
133	Direct comparison between ion-exchange chromatography and aqueous two-phase processes for the partial purification of penicillin acylase produced by <i>E. coli</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 835, 77-83.	1.2	65
134	Rotavirus-like particles primary recovery from insect cells in aqueous two-phase systems. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 842, 48-57.	1.2	88
135	Simplified two-stage method to B-phycoerythrin recovery from <i>Porphyridium cruentum</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 844, 39-44.	1.2	62
136	Improved recovery of B-phycoerythrin produced by the red microalga <i>Porphyridium cruentum</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 989-996.	1.6	21
137	New aqueous two-phase systems based on poly(ethylene oxide sulfide) (PEOS) and potassium phosphate for the potential recovery of proteins. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 997-1002.	1.6	7
138	Potential Aqueous Two-Phase Processes for the Primary Recovery of Colored Protein from Microbial Origin. <i>Engineering in Life Sciences</i> , 2005, 5, 259-266.	2.0	19
139	Practical application of aqueous two-phase partition to process development for the recovery of biological products. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 807, 3-11.	1.2	304
140	Recovery in aqueous two-phase systems of lutein produced by the green microalga <i>Chlorella protothecoides</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 807, 105-110.	1.2	55
141	Bioprocess intensification: a potential aqueous two-phase process for the primary recovery of B-phycoerythrin from <i>Porphyridium cruentum</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 807, 33-38.	1.2	48
142	Bioprocess Intensification: A Radical New Process for Recovering Inclusion Body Protein. <i>Food and Bioproducts Processing</i> , 2002, 80, 45-50.	1.8	6
143	Aqueous two-phase systems for the recovery of a recombinant viral coat protein from <i>Escherichia coli</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2002, 77, 1025-1029.	1.6	26
144	Production and biotransformation of 6-pentyl- δ -pyrone by <i>Trichoderma harzianum</i> in two-phase culture systems. <i>Applied Microbiology and Biotechnology</i> , 2002, 58, 170-174.	1.7	20

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145	Process integration using aqueous two-phase partition for the recovery of intracellular proteins. <i>Chemical Engineering Journal</i> , 2002, 87, 313-319.	6.6	57
146	The potential application of aqueous two-phase systems for in situ recovery of 6-pentyl- α -pyrone produced by <i>Trichoderma harzianum</i> . <i>Enzyme and Microbial Technology</i> , 2001, 28, 625-631.	1.6	29
147	Practical application of aqueous two-phase systems for the development of a prototype process for c-phycoyanin recovery from <i>Spirulina maxima</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2001, 76, 1273-1280.	1.6	148
148	Practical implementation of aqueous two-phase processes for protein recovery from yeast. <i>Journal of Chemical Technology and Biotechnology</i> , 2000, 75, 632-638.	1.6	30
149	Generic application of an aqueous two-phase process for protein recovery from animal blood. <i>Process Biochemistry</i> , 2000, 35, 665-673.	1.8	41
150	Kinetics of phase separation under different process and design parameters in aqueous two-phase systems. <i>Biomedical Applications</i> , 2000, 743, 195-201.	1.7	9
151	Aroma compounds recovery from mycelial cultures in aqueous two-phase processes. <i>Biomedical Applications</i> , 2000, 743, 403-408.	1.7	24
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153	Studies on the physical and compositional changes in collapsing beer foam. <i>Chemical Engineering Journal</i> , 1999, 72, 83-89.	6.6	20
154	Aqueous two-phase fractionation of biological suspensions for protein recovery from bovine blood. <i>Biotechnology Letters</i> , 1998, 12, 711-714.	0.5	16
155	Influence of system and process parameters on partitioning of cheese whey proteins in aqueous two-phase systems. <i>Biomedical Applications</i> , 1998, 711, 81-90.	1.7	45
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