

# Ana M. Azevedo

## List of Publications by Year in descending order

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142  
papers

5,419  
citations

81900

39  
h-index

95266

68  
g-index

143  
all docs

143  
docs citations

143  
times ranked

4972  
citing authors

#	ARTICLE	IF	CITATIONS
1	Horseradish peroxidase: a valuable tool in biotechnology. <i>Biotechnology Annual Review</i> , 2003, 9, 199-247.	2.1	235
2	Aqueous two-phase systems: A viable platform in the manufacturing of biopharmaceuticals. <i>Journal of Chromatography A</i> , 2010, 1217, 2296-2305.	3.7	216
3	mRNA vaccines manufacturing: Challenges and bottlenecks. <i>Vaccine</i> , 2021, 39, 2190-2200.	3.8	214
4	Ethanol biosensors based on alcohol oxidase. <i>Biosensors and Bioelectronics</i> , 2005, 21, 235-247.	10.1	213
5	Chromatography-free recovery of biopharmaceuticals through aqueous two-phase processing. <i>Trends in Biotechnology</i> , 2009, 27, 240-247.	9.3	201
6	Partitioning of human antibodies in polyethylene glycol-sodium citrate aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2009, 65, 14-21.	7.9	192
7	Partitioning in Aqueous Two-Phase Systems: Fundamentals, Applications and Trends. <i>Separation and Purification Reviews</i> , 2016, 45, 68-80.	5.5	192
8	Magnetic separations in biotechnology. <i>Biotechnology Advances</i> , 2013, 31, 1374-1385.	11.7	189
9	Application of central composite design to the optimisation of aqueous two-phase extraction of human antibodies. <i>Journal of Chromatography A</i> , 2007, 1141, 50-60.	3.7	182
10	Aqueous two-phase extraction as a platform in the biomanufacturing industry: Economical and environmental sustainability. <i>Biotechnology Advances</i> , 2011, 29, 559-567.	11.7	145
11	Optimisation of aqueous two-phase extraction of human antibodies. <i>Journal of Biotechnology</i> , 2007, 132, 209-217.	3.8	130
12	Partitioning in aqueous two-phase systems: Analysis of strengths, weaknesses, opportunities and threats. <i>Biotechnology Journal</i> , 2015, 10, 1158-1169.	3.5	118
13	Purification of plasmid DNA with aqueous two phase systems of PEG 600 and sodium citrate/ammonium sulfate. <i>Separation and Purification Technology</i> , 2009, 65, 22-30.	7.9	108
14	Affinity partitioning of human antibodies in aqueous two-phase systems. <i>Journal of Chromatography A</i> , 2007, 1162, 103-113.	3.7	106
15	Application of aqueous two-phase systems to antibody purification: A multi-stage approach. <i>Journal of Biotechnology</i> , 2009, 139, 306-313.	3.8	97
16	Continuous purification of antibodies from cell culture supernatant with aqueous two-phase systems: From concept to process. <i>Biotechnology Journal</i> , 2013, 8, 352-362.	3.5	91
17	Affinity-enhanced purification of human antibodies by aqueous two-phase extraction. <i>Separation and Purification Technology</i> , 2009, 65, 31-39.	7.9	88
18	Stability of free and immobilised peroxidase in aqueous-organic solvents mixtures. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2001, 15, 147-153.	1.8	78

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19	Detection of ochratoxin A in wine and beer by chemiluminescence-based ELISA in microfluidics with integrated photodiodes. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 232-240.	7.8	74
20	Integrated process for the purification of antibodies combining aqueous two-phase extraction, hydrophobic interaction chromatography and size-exclusion chromatography. <i>Journal of Chromatography A</i> , 2008, 1213, 154-161.	3.7	64
21	Microspot-based ELISA in microfluidics: chemiluminescence and colorimetry detection using integrated thin-film hydrogenated amorphous silicon photodiodes. <i>Lab on A Chip</i> , 2011, 11, 4063.	6.0	64
22	Capture and Detection of DNA Hybrids on Paper via the Anchoring of Antibodies with Fusions of Carbohydrate Binding Modules and ZZ-Domains. <i>Analytical Chemistry</i> , 2014, 86, 4340-4347.	6.5	61
23	Continuous aqueous two-phase extraction of human antibodies using a packed column. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 880, 148-156.	2.3	60
24	Multiplexed capillary microfluidic immunoassay with smartphone data acquisition for parallel mycotoxin detection. <i>Biosensors and Bioelectronics</i> , 2018, 99, 40-46.	10.1	59
25	Assay of H <sub>2</sub> O <sub>2</sub> by HRP catalysed co-oxidation of phenol-4-sulphonic acid and 4-aminoantipyrine: characterisation and optimisation. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004, 28, 129-135.	1.8	54
26	An overview of lectins purification strategies. <i>Journal of Molecular Recognition</i> , 2012, 25, 527-541.	2.1	54
27	Design of a microfluidic platform for monoclonal antibody extraction using an aqueous two-phase system. <i>Journal of Chromatography A</i> , 2012, 1249, 1-7.	3.7	54
28	Purification of human immunoglobulin G by thermoseparating aqueous two-phase systems. <i>Journal of Chromatography A</i> , 2008, 1195, 94-100.	3.7	53
29	Thermal and operational stabilities of <i>Hansenula polymorpha</i> alcohol oxidase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004, 27, 37-45.	1.8	50
30	On-chip sample preparation and analyte quantification using a microfluidic aqueous two-phase extraction coupled with an immunoassay. <i>Lab on A Chip</i> , 2014, 14, 4284-4294.	6.0	50
31	Integrated purification of monoclonal antibodies directly from cell culture medium with aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2014, 132, 330-335.	7.9	47
32	Anything but Conventional Chromatography Approaches in Bioseparation. <i>Biotechnology Journal</i> , 2020, 15, e1900274.	3.5	47
33	Optimization and miniaturization of aqueous two phase systems for the purification of recombinant human immunodeficiency virus-like particles from a CHO cell supernatant. <i>Separation and Purification Technology</i> , 2015, 154, 27-35.	7.9	46
34	The application of microbeads to microfluidic systems for enhanced detection and purification of biomolecules. <i>Methods</i> , 2017, 116, 112-124.	3.8	45
35	Downstream processing of antibodies: Single-stage versus multi-stage aqueous two-phase extraction. <i>Journal of Chromatography A</i> , 2009, 1216, 8741-8749.	3.7	43
36	OPTIMIZATION OF FLAVOR ESTERS SYNTHESIS BY <i>FUSARIUM SOLANI</i> PISI CUTINASE. <i>Journal of Food Biochemistry</i> , 2012, 36, 275-284.	2.9	42

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37	A point-of-use microfluidic device with integrated photodetector array for immunoassay multiplexing: Detection of a panel of mycotoxins in multiple samples. <i>Biosensors and Bioelectronics</i> , 2017, 87, 823-831.	10.1	42
38	Operational stability of immobilised horseradish peroxidase in mini-packed bed bioreactors. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004, 28, 121-128.	1.8	41
39	Downstream processing of human antibodies integrating an extraction capture step and cation exchange chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 50-58.	2.3	41
40	Multimodal chromatography: debottlenecking the downstream processing of monoclonal antibodies. <i>Pharmaceutical Bioprocessing</i> , 2015, 3, 263-279.	0.8	39
41	Partitioning and recovery of <i>Canavalia brasiliensis</i> lectin by aqueous two-phase systems using design of experiments methodology. <i>Separation and Purification Technology</i> , 2010, 75, 48-54.	7.9	38
42	Determination of aqueous two phase system binodal curves using a microfluidic device. <i>Journal of Chromatography A</i> , 2014, 1370, 115-120.	3.7	38
43	Multiplexed microfluidic fluorescence immunoassay with photodiode array signal acquisition for sub-minute and point-of-need detection of mycotoxins. <i>Lab on A Chip</i> , 2018, 18, 1569-1580.	6.0	37
44	Emerging technologies for the integration and intensification of downstream bioprocesses. <i>Pharmaceutical Bioprocessing</i> , 2013, 1, 423-440.	0.8	36
45	A novel method for human hematopoietic stem/progenitor cell isolation from umbilical cord blood based on immunoaffinity aqueous two-phase partitioning. <i>Biotechnology Letters</i> , 2011, 33, 2373-2377.	2.2	34
46	Modulation of alpha-synuclein toxicity in yeast using a novel microfluidic-based gradient generator. <i>Lab on A Chip</i> , 2014, 14, 3949-3957.	6.0	33
47	Advances, challenges and opportunities for point-of-need screening of mycotoxins in foods and feeds. <i>Analyst</i> , The, 2018, 143, 1015-1035.	3.5	33
48	Silica bead-based microfluidic device with integrated photodiodes for the rapid capture and detection of rolling circle amplification products in the femtomolar range. <i>Biosensors and Bioelectronics</i> , 2019, 128, 68-75.	10.1	33
49	Operation and performance of analytical packed-bed reactors with an immobilised alcohol oxidase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004, 28, 45-53.	1.8	32
50	Lab-on-chip systems for integrated bioanalyses. <i>Essays in Biochemistry</i> , 2016, 60, 121-131.	4.7	32
51	High-Throughput Nanoliter-Scale Analysis and Optimization of Multimodal Chromatography for the Capture of Monoclonal Antibodies. <i>Analytical Chemistry</i> , 2016, 88, 7959-7967.	6.5	32
52	Stability and stabilisation of penicillin acylase. , 1999, 74, 1110-1116.		31
53	Stimuli-responsive magnetic nanoparticles for monoclonal antibody purification. <i>Biotechnology Journal</i> , 2013, 8, 709-717.	3.5	31
54	Sustainable strategies based on glycine betaine analogue ionic liquids for the recovery of monoclonal antibodies from cell culture supernatants. <i>Green Chemistry</i> , 2019, 21, 5671-5682.	9.0	31

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55	Capture of human monoclonal antibodies from a clarified cell culture supernatant by phenyl boronate chromatography. <i>Journal of Molecular Recognition</i> , 2010, 23, 569-576.	2.1	30
56	Magnetic aqueous two phase fishing: A hybrid process technology for antibody purification. <i>Journal of Chromatography A</i> , 2014, 1339, 59-64.	3.7	30
57	Potential of boronic acid functionalized magnetic particles in the adsorption of human antibodies under mammalian cell culture conditions. <i>Journal of Chromatography A</i> , 2011, 1218, 7821-7827.	3.7	29
58	Enhancement of lateral flow assay performance by electromagnetic relocation of reporter particles. <i>PLoS ONE</i> , 2018, 13, e0186782.	2.5	27
59	Phenylboronic acid as a multi-modal ligand for the capture of monoclonal antibodies: Development and optimization of a washing step. <i>Journal of Chromatography A</i> , 2014, 1355, 115-124.	3.7	26
60	Integration of cell harvest with affinity-enhanced purification of monoclonal antibodies using aqueous two-phase systems with a dual tag ligand. <i>Separation and Purification Technology</i> , 2017, 173, 129-134.	7.9	26
61	Clearance of host cell impurities from plasmid-containing lysates by boronate adsorption. <i>Journal of Chromatography A</i> , 2010, 1217, 2262-2266.	3.7	24
62	Fishing human monoclonal antibodies from a CHO cell supernatant with boronic acid magnetic particles. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 903, 163-170.	2.3	23
63	Miniaturization of aqueous two-phase extraction for biological applications: From microtubes to microchannels. <i>Biotechnology Journal</i> , 2016, 11, 1498-1512.	3.5	23
64	Monoclonal Antibodies Production Platforms: An Opportunity Study of a Non-Protein Chromatographic Platform Based on Process Economics. <i>Biotechnology Journal</i> , 2017, 12, 1700260.	3.5	23
65	Studies on the adsorption of cell impurities from plasmid-containing lysates to phenyl boronic acid chromatographic beads. <i>Journal of Chromatography A</i> , 2011, 1218, 8629-8637.	3.7	22
66	Boronic acid-modified magnetic materials for antibody purification. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20130875.	3.4	22
67	An extracellular polymer at the interface of magnetic bioseparations. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140743.	3.4	22
68	Capillary-driven microfluidic device with integrated nanoporous microbeads for ultrarapid biosensing assays. <i>Sensors and Actuators B: Chemical</i> , 2018, 265, 452-458.	7.8	22
69	A regenerable microfluidic device with integrated valves and thin-film photodiodes for rapid optimization of chromatography conditions. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3636-3646.	7.8	22
70	Phenylboronate chromatography selectively separates glycoproteins through the manipulation of electrostatic, charge transfer, and cis-diol interactions. <i>Biotechnology Journal</i> , 2014, 9, 1250-1258.	3.5	21
71	A microfluidic immunoassay platform for the detection of free prostate specific antigen: a systematic and quantitative approach. <i>Analyst</i> , 2015, 140, 4423-4433.	3.5	21
72	Aqueous two-phase systems for enhancing immunoassay sensitivity: Simultaneous concentration of mycotoxins and neutralization of matrix interference. <i>Journal of Chromatography A</i> , 2014, 1361, 67-76.	3.7	20

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73	A process for supercoiled plasmid DNA purification based on multimodal chromatography. Separation and Purification Technology, 2017, 182, 94-100.	7.9	20
74	Predicting protein partition coefficients in aqueous two phase system. Journal of Chromatography A, 2016, 1470, 50-58.	3.7	19
75	Determination of partition coefficients of biomolecules in a microfluidic aqueous two phase system platform using fluorescence microscopy. Journal of Chromatography A, 2017, 1487, 242-247.	3.7	19
76	Studies on the purification of antibody fragments. Separation and Purification Technology, 2018, 195, 388-397.	7.9	19
77	Surface plasmon resonance application in prostate cancer biomarker research. Chemical Papers, 2015, 69, .	2.2	18
78	Modeling the partitioning of amino acids in aqueous two phase systems. Journal of Chromatography A, 2014, 1329, 52-60.	3.7	17
79	A multiplexed microfluidic toolbox for the rapid optimization of affinity-driven partition in aqueous two phase systems. Journal of Chromatography A, 2017, 1515, 252-259.	3.7	17
80	A simple method for point-of-need extraction, concentration and rapid multi-mycotoxin immunodetection in feeds using aqueous two-phase systems. Journal of Chromatography A, 2017, 1511, 15-24.	3.7	17
81	Development of a rapid bead-based microfluidic platform for DNA hybridization using single- and multi-mode interactions for probe immobilization. Sensors and Actuators B: Chemical, 2019, 286, 328-336.	7.8	17
82	Recent developments in microreactor technology for biocatalysis applications. Reaction Chemistry and Engineering, 2021, 6, 815-827.	3.7	17
83	Colorimetric detection of D-dimer in a paper-based immunodetection device. Analytical Biochemistry, 2017, 538, 5-12.	2.4	16
84	Aptamer-based approaches to detect nucleolin in prostate cancer. Talanta, 2021, 226, 122037.	5.5	16
85	BEHAVIOUR OF HORSERADISH PEROXIDASE IN AOT REVERSED MICELLES. Biocatalysis and Biotransformation, 2001, 19, 213-233.	2.0	15
86	Liquid~Liquid Equilibrium Data for Aqueous Two-Phase Systems Composed of Ethylene Oxide Propylene Oxide Copolymers. Journal of Chemical & Engineering Data, 2011, 56, 190-194.	1.9	15
87	Magnetic anisotropy of epitaxial zinc ferrite thin films grown by pulsed laser deposition. Thin Solid Films, 2013, 527, 273-277.	1.8	15
88	A microfluidic platform for physical entrapment of yeast cells with continuous production of invertase. Journal of Chemical Technology and Biotechnology, 2017, 92, 334-341.	3.2	15
89	Microfluidic device for the point of need detection of a pathogen infection biomarker in grapes. Analyst, The, 2019, 144, 4871-4879.	3.5	15
90	Manufacturing of bacteriophages for therapeutic applications. Biotechnology Advances, 2021, 49, 107758.	11.7	15

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91	Label-Free Detection of Biomolecules in Microfluidic Systems Using On-Chip UV and Impedimetric Sensors. <i>IEEE Sensors Journal</i> , 2019, 19, 7803-7812.	4.7	13
92	Continuous aqueous two-phase extraction: From microfluidics to integrated biomanufacturing. <i>Fluid Phase Equilibria</i> , 2020, 508, 112438.	2.5	13
93	Microfluidic device for multiplexed detection of fungal infection biomarkers in grape cultivars. <i>Analyst</i> , 2020, 145, 7973-7984.	3.5	13
94	Partitioning of <i>Canavalia brasiliensis</i> Lectin in Polyethylene Glycol " Sodium Citrate Aqueous Two-Phase Systems. <i>Separation Science and Technology</i> , 2010, 45, 2180-2186.	2.5	12
95	Polishing of monoclonal antibodies streams through convective flow devices. <i>Separation and Purification Technology</i> , 2014, 132, 593-600.	7.9	12
96	Phenylboronic acid chromatography provides a rapid, reproducible and easy scalable multimodal process for the capture of monoclonal antibodies. <i>Separation and Purification Technology</i> , 2016, 160, 43-50.	7.9	12
97	Development of phage biopanning strategies to identify affinity peptide ligands for kappa light chain Fab fragments. <i>Biotechnology Progress</i> , 2019, 35, e2884.	2.6	12
98	A biomolecular recognition approach for the functionalization of cellulose with gold nanoparticles. <i>Journal of Molecular Recognition</i> , 2017, 30, e2634.	2.1	11
99	Optical biosensing in microfluidics using nanoporous microbeads and amorphous silicon thin-film photodiodes: quantitative analysis of molecular recognition and signal transduction. <i>Journal of Micromechanics and Microengineering</i> , 2018, 28, 094004.	2.6	11
100	Multimodal chromatography of supercoiled minicircles: A closer look into DNA-ligand interactions. <i>Separation and Purification Technology</i> , 2019, 212, 161-170.	7.9	11
101	Separation of plasmid DNA topoisomers by multimodal chromatography. <i>Analytical Biochemistry</i> , 2016, 503, 68-70.	2.4	10
102	M13 bacteriophage purification using poly(ionic liquids) as alternative separation matrices. <i>Journal of Chromatography A</i> , 2018, 1532, 246-250.	3.7	10
103	Exploring the use of heparin as a first capture step in the purification of monoclonal antibodies from cell culture supernatants. <i>Biochemical Engineering Journal</i> , 2015, 104, 27-33.	3.6	9
104	Kinetic and Stability Studies of Penicillin Acylase in Reversed Micelles. <i>Biocatalysis and Biotransformation</i> , 2000, 17, 401-415.	2.0	8
105	Optimizing the Performance of Chromatographic Separations Using Microfluidics: Multiplexed and Quantitative Screening of Ligands and Target Molecules. <i>Biotechnology Journal</i> , 2019, 14, e1800593.	3.5	7
106	Minimizing the Influence of Fluorescent Tags on IgG Partition in PEG"Salt Aqueous Two-Phase Systems for Rapid Screening Applications. <i>Biotechnology Journal</i> , 2019, 14, 1800640.	3.5	7
107	Microfluidic platform for rapid screening of bacterial cell lysis. <i>Journal of Chromatography A</i> , 2020, 1610, 460539.	3.7	7
108	A Versatile and Fully Integrated Hand-Held Device for Microfluidic-Based Biosensing: A Case Study of Plant Health Biomarkers. <i>IEEE Sensors Journal</i> , 2020, 20, 14007-14015.	4.7	7



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109	Microchromatography integrated with impedance sensor for bioprocess optimization: Experimental and numerical study of column efficiency for evaluation of scalability. <i>Journal of Chromatography A</i> , 2022, 1661, 462678.	3.7	7
110	Pre-miRNA-149 G-quadruplex as a molecular agent to capture nucleolin. <i>European Journal of Pharmaceutical Sciences</i> , 2022, 169, 106093.	4.0	7
111	Monolithically integrated optical interference and absorption filters on thin film amorphous silicon photosensors for biological detection. <i>Sensors and Actuators B: Chemical</i> , 2022, 356, 131330.	7.8	7
112	Modeling of counter current monoclonal antibody extraction using aqueous two-phase systems. <i>Computer Aided Chemical Engineering</i> , 2007, , 935-940.	0.5	6
113	Validation and scale-up of plasmid DNA purification by phenylboronic acid chromatography. <i>Journal of Separation Science</i> , 2012, 35, 3190-3196.	2.5	6
114	Student Collaboration in a Series of Integrated Experiments To Study Enzyme Reactor Modeling with Immobilized Cell-Based Invertase. <i>Journal of Chemical Education</i> , 2015, 92, 1238-1243.	2.3	6
115	Point-of-use Ultrafast Single-step Detection of Food Contaminants: A Novel Microfluidic Fluorescence-based Immunoassay with Integrated Photodetection. <i>Procedia Engineering</i> , 2016, 168, 329-332.	1.2	6
116	Thermodynamics of the adsorption of monoclonal antibodies in phenylboronate chromatography: Affinity versus multimodal interactions. <i>Journal of Chromatography A</i> , 2018, 1569, 118-127.	3.7	6
117	Purification of monoclonal antibodies in a stirred cell with polyethyleneimine-modified polyethersulfone ultrafiltration membrane. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 3548-3558.	3.2	6
118	Extraction of Human IgG in Thermo-Responsive Aqueous Two-Phase Systems: Assessment of Structural Stability by Circular Dichroism. <i>Separation Science and Technology</i> , 2010, 45, 2171-2179.	2.5	5
119	LYTAG-driven purification strategies for monoclonal antibodies using quaternary amine ligands as affinity matrices. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1966-1974.	3.2	5
120	Regenerable bead-based microfluidic device with integrated thin-film photodiodes for real-time monitoring of DNA detection. <i>Sensors and Actuators B: Chemical</i> , 2022, 359, 131607.	7.8	5
121	A Systematic Approach for Developing 3D High-Quality PDMS Microfluidic Chips Based on Micromilling Technology. <i>Micromachines</i> , 2022, 13, 6.	2.9	5
122	Microfluidics as a high-throughput solution for chromatographic process development – The complexity of multimodal chromatography used as a proof of concept. <i>Journal of Chromatography A</i> , 2021, 1658, 462618.	3.7	4
123	Accurate and rapid microfluidic ELISA to monitor Infiximab titers in patients with inflammatory bowel diseases. <i>Analyst, The</i> , 2022, 147, 480-488.	3.5	4
124	Fundamentals of Biological Separation Processes. , 2017, , 187-237.		3
125	Purification of human antibodies from animal cell cultures using gum arabic coated magnetic particles. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 838-846.	3.2	2
126	Integration of Photosensors in a Nano-liter Scale Chromatography Column for the Online Monitoring of Adsorption/Desorption Kinetics of a Fluorophore-labeled Monoclonal Antibody. <i>Procedia Engineering</i> , 2016, 168, 1426-1429.	1.2	2



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127	Screening polymeric ionic liquids for chromatography-based purification of bacteriophage M13. Separation and Purification Technology, 2021, 257, 117906.	7.9	2
128	Advances in biopartitioning and purification. Separation and Purification Technology, 2009, 65, 1-2.	7.9	1
129	Novel strategies for the purification of monoclonal antibodies. , 2011, , .		1
130	New platforms for the downstream processing of biopharmaceuticals. , 2011, , .		1
131	Development of a Point-of-Care Platform for Plant Health Assessment: A Microfluidic Approach. Proceedings (mdpi), 2018, 2, 819.	0.2	1
132	Biochemical Engineering Scienceâ€”Sustainable Processes and Economies. Biotechnology Journal, 2019, 14, e1900276.	3.5	1
133	A Chronology of the Development of Aqueous Two-Phase Systems as a Viable Liquid-Liquid Extraction for Biological Products. , 2019, , .		1
134	Rolling Circle Amplification in Bead-Based Microfluidic Device with Integrated Photodiode for Fluorescence Signal Transduction. , 2021, , .		1
135	Purification of Plasmid DNA by Multimodal Chromatography. Methods in Molecular Biology, 2021, 2197, 193-205.	0.9	1
136	Primary Purification of Plasmid DNA Using Differential Isopropanol Precipitation. Methods in Molecular Biology, 2021, 2197, 151-165.	0.9	1
137	Enzymatic Biosensors with Integrated Thin Film a-Si:H Photodiodes. Materials Research Society Symposia Proceedings, 2009, 1153, 1.	0.1	0
138	Extraction of Zera&#x00AE; fusion proteins in aqueous two-phase systems. , 2015, , .		0
139	Multiplexed microfluidic platform coupled with photodetector array for point-of-need and sub-minute detection of food contaminants. , 2018, , .		0
140	Quantitative analysis of optical transduction in microfluidic biosensing platforms: Nanoporous microbeads coupled with thin-film photodiodes. , 2018, , .		0
141	Mobileâ€Phase Modulators as Salt Tolerance Enhancers in Phenylboronate Chromatography: Thermodynamic Evaluation of the Mechanisms Underlying the Adsorption of Monoclonal Antibodies. Biotechnology Journal, 2019, 14, e1800586.	3.5	0
142	A Portable Microfluidic System for the Detection of Health Biomarkers in Grapes at the Point of Need. , 2019, , .		0