

Adalberto Pessoa

List of Publications by Year in descending order

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296
papers

8,400
citations

57631

44
h-index

76769

74
g-index

312
all docs

312
docs citations

312
times ranked

9382
citing authors

#	ARTICLE	IF	CITATIONS
1	Bacterial nanocellulose production and application: a 10-year overview. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 2063-2072.	1.7	317
2	Micellar solubilization of drugs. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2005, 8, 147-65.	0.9	299
3	Methods of endotoxin removal from biological preparations: a review. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2007, 10, 388-404.	0.9	259
4	Inulin-type fructans: A review on different aspects of biochemical and pharmaceutical technology. <i>Carbohydrate Polymers</i> , 2014, 101, 368-378.	5.1	235
5	A biotechnology perspective of fungal proteases. <i>Brazilian Journal of Microbiology</i> , 2015, 46, 337-346.	0.8	224
6	Liquid-liquid extraction of biomolecules: an overview and update of the main techniques. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 143-157.	1.6	191
7	Marine-derived fungi: diversity of enzymes and biotechnological applications. <i>Frontiers in Microbiology</i> , 2015, 6, 269.	1.5	142
8	Bacterial cellulose production by <i>Gluconacetobacter xylinus</i> by employing alternative culture media. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 1181-1190.	1.7	130
9	Biopharmaceuticals from microorganisms: from production to purification. <i>Brazilian Journal of Microbiology</i> , 2016, 47, 51-63.	0.8	126
10	Liquid-liquid extraction of proteases from fermented broth by PEG/citrate aqueous two-phase system. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008, 47, 716-721.	1.8	119
11	Development of L-Asparaginase Biobetters: Current Research Status and Review of the Desirable Quality Profiles. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 212.	2.0	119
12	Cellular and molecular mechanisms in the hypoxic tissue: role of HIF-1 and ROS. <i>Cell Biochemistry and Function</i> , 2013, 31, 451-459.	1.4	112
13	Therapeutic L-asparaginase: upstream, downstream and beyond. <i>Critical Reviews in Biotechnology</i> , 2017, 37, 82-99.	5.1	109
14	Stability, purification, and applications of bromelain: A review. <i>Biotechnology Progress</i> , 2016, 32, 5-13.	1.3	106
15	Cold-adapted enzymes produced by fungi from terrestrial and marine Antarctic environments. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 600-619.	5.1	106
16	Taxonomic assessment and enzymes production by yeasts isolated from marine and terrestrial Antarctic samples. <i>Extremophiles</i> , 2013, 17, 1023-1035.	0.9	102
17	Extraction of tetracycline from fermentation broth using aqueous two-phase systems composed of polyethylene glycol and cholinium-based salts. <i>Process Biochemistry</i> , 2013, 48, 716-722.	1.8	101
18	Nanostructures for protein drug delivery. <i>Biomaterials Science</i> , 2016, 4, 205-218.	2.6	97

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19	Purification of bromelain from pineapple wastes by ethanol precipitation. <i>Separation and Purification Technology</i> , 2012, 98, 389-395.	3.9	94
20	Marine prebiotics: Polysaccharides and oligosaccharides obtained by using microbial enzymes. <i>Food Chemistry</i> , 2019, 280, 175-186.	4.2	93
21	Bromelain partitioning in two-phase aqueous systems containing PEO-PPO-PEO block copolymers. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 807, 61-68.	1.2	86
22	Experimental and Theoretical Investigation of the Micellar-Assisted Solubilization of Ibuprofen in Aqueous Media. <i>Langmuir</i> , 2006, 22, 1514-1525.	1.6	79
23	Kinetic and thermodynamic studies of a novel acid protease from <i>Aspergillus foetidus</i> . <i>International Journal of Biological Macromolecules</i> , 2015, 81, 17-21.	3.6	78
24	Singlet Molecular Oxygen Generation by Light-Activated DHN-Melanin of the Fungal Pathogen <i>Mycosphaerella fijiensis</i> in Black Sigatoka Disease of Bananas. <i>PLoS ONE</i> , 2014, 9, e91616.	1.1	71
25	Cultivation of <i>Candida tropicalis</i> in sugar cane hemicellulosic hydrolyzate for microbial protein production. <i>Journal of Biotechnology</i> , 1996, 51, 83-88.	1.9	70
26	Use of sugar cane straw as a source of cellulose for textile fiber production. <i>Industrial Crops and Products</i> , 2013, 42, 189-194.	2.5	70
27	Different types of aqueous two-phase systems for biomolecule and bioparticle extraction and purification. <i>Biotechnology Progress</i> , 2013, 29, 1343-1353.	1.3	68
28	Applications of recombinant <i>Pichia pastoris</i> in the healthcare industry. <i>Brazilian Journal of Microbiology</i> , 2013, 44, 1043-1048.	0.8	67
29	Design of novel aqueous micellar two-phase systems using ionic liquids as co-surfactants for the selective extraction of (bio)molecules. <i>Separation and Purification Technology</i> , 2014, 135, 259-267.	3.9	64
30	Protein partitioning in poly(ethylene glycol)/sodium polyacrylate aqueous two-phase systems. <i>Journal of Chromatography A</i> , 2008, 1178, 145-153.	1.8	60
31	Isolation of natural red colorants from fermented broth using ionic liquid-based aqueous two-phase systems. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2013, 40, 507-516.	1.4	60
32	Recombinant L-asparaginase 1 from <i>Saccharomyces cerevisiae</i> : an allosteric enzyme with antineoplastic activity. <i>Scientific Reports</i> , 2016, 6, 36239.	1.6	60
33	Phase Diagrams of the Aqueous Two-Phase Systems of Poly(ethylene glycol)/Sodium Polyacrylate/Salts. <i>Polymers</i> , 2011, 3, 587-601.	2.0	58
34	Scale-up of diluted sulfuric acid hydrolysis for producing sugarcane bagasse hemicellulosic hydrolysate (SBHH). <i>Bioresource Technology</i> , 2010, 101, 1247-1253.	4.8	57
35	Production, purification and characterization of an aspartic protease from <i>Aspergillus foetidus</i> . <i>Food and Chemical Toxicology</i> , 2017, 109, 1103-1110.	1.8	56
36	Extraction, isolation and characterization of inulin from <i>Agave sisalana</i> boles. <i>Industrial Crops and Products</i> , 2017, 108, 355-362.	2.5	54

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37	Two-phase aqueous micellar systems: an alternative method for protein purification. Brazilian Journal of Chemical Engineering, 2004, 21, 531-544.	0.7	52
38	Enhanced Xylitol Production by Precultivation of <i>Candida guilliermondii</i> Cells in Sugarcane Bagasse Hemicellulosic Hydrolysate. Current Microbiology, 2006, 53, 53-59.	1.0	52
39	Aqueous two-phase systems extraction of $\hat{I}\pm$ -toxin from <i>Clostridium perfringens</i> type A. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2006, 833, 135-140.	1.2	51
40	Behavior of Triton X-114 cloud point in the presence of inorganic electrolytes. Fluid Phase Equilibria, 2013, 360, 435-438.	1.4	51
41	Evaluation of the activated charcoals and adsorption conditions used in the treatment of sugarcane bagasse hydrolysate for xylitol production. Brazilian Journal of Chemical Engineering, 2006, 23, 9-21.	0.7	49
42	Separation and partitioning of Green Fluorescent Protein from <i>Escherichia coli</i> homogenate in poly(ethylene glycol)/sodium-poly(acrylate) aqueous two-phase systems. Separation and Purification Technology, 2008, 62, 166-174.	3.9	48
43	Improving of red colorants production by a new <i>Penicillium purpurogenum</i> strain in submerged culture and the effect of different parameters in their stability. Biotechnology Progress, 2013, 29, 778-785.	1.3	48
44	R&D and economic growth: How strong is the link?. Economics Letters, 2010, 107, 152-154.	0.9	47
45	Production, purification, and characterization of an extracellular acid protease from the marine Antarctic yeast <i>Rhodotorula mucilaginosa</i> L7. Fungal Biology, 2015, 119, 1129-1136.	1.1	46
46	Liquid-liquid extraction by reversed micelles in biotechnological processes. Brazilian Journal of Chemical Engineering, 2000, 17, 29-38.	0.7	45
47	Recovery of inulinase using BDBAC reversed micelles. Process Biochemistry, 1998, 33, 291-297.	1.8	44
48	Glucose-6-phosphate dehydrogenase partitioning in two-phase aqueous mixed (nonionic/cationic) micellar systems. Biotechnology and Bioengineering, 2003, 82, 445-456.	1.7	44
49	Liquid-liquid extraction of commercial and biosynthesized nisin by aqueous two-phase micellar systems. Enzyme and Microbial Technology, 2008, 42, 107-112.	1.6	43
50	Liquid-liquid extraction by mixed micellar systems: A new approach for clavulanic acid recovery from fermented broth. Biochemical Engineering Journal, 2011, 56, 75-83.	1.8	42
51	Perspectives on Bioenergy and Biotechnology in Brazil. Applied Biochemistry and Biotechnology, 2005, 121, 0059-0070.	1.4	41
52	A stable liquid-liquid extraction system for clavulanic acid using polymer-based aqueous two-phase systems. Separation and Purification Technology, 2012, 98, 441-450.	3.9	41
53	Recovery of bromelain from pineapple stem residues using aqueous micellar two-phase systems with ionic liquids as co-surfactants. Process Biochemistry, 2016, 51, 528-534.	1.8	41
54	Separation of inulinase from <i>Kluyveromyces marxianus</i> using reversed micellar extraction. Biotechnology Letters, 1997, 11, 421-422.	0.5	38

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55	Antimicrobial effectiveness of silver nanoparticles co-stabilized by the bioactive copolymer pluronic F68. <i>Journal of Nanobiotechnology</i> , 2012, 10, 43.	4.2	38
56	Recombinants proteins for industrial uses: utilization of <i>Pichia pastoris</i> expression system. <i>Brazilian Journal of Microbiology</i> , 2013, 44, 351-356.	0.8	37
57	Stability of clavulanic acid under variable pH, ionic strength and temperature conditions. A new kinetic approach. <i>Biochemical Engineering Journal</i> , 2009, 45, 89-93.	1.8	35
58	Development and characterization of hydrogels based on natural polysaccharides: Policaju and chitosan. <i>Materials Science and Engineering C</i> , 2014, 42, 219-226.	3.8	35
59	Algae's sulfated polysaccharides modifications: Potential use of microbial enzymes. <i>Process Biochemistry</i> , 2016, 51, 989-998.	1.8	35
60	Optimization and purification of L-asparaginase from fungi: A systematic review. <i>Critical Reviews in Oncology/Hematology</i> , 2017, 120, 194-202.	2.0	35
61	Liquid-liquid extraction of biopharmaceuticals from fermented broth: trends and future prospects. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1845-1863.	1.6	35
62	Production of Nisin by <i>Lactococcus lactis</i> in Media with Skimmed Milk. <i>Applied Biochemistry and Biotechnology</i> , 2005, 122, 0619-0638.	1.4	34
63	Ionic liquids as a novel class of electrolytes in polymeric aqueous biphasic systems. <i>Process Biochemistry</i> , 2015, 50, 661-668.	1.8	34
64	Fibers Obtained from Alginate, Chitosan and Hybrid Used in the Development of Scaffolds. <i>Materials Research</i> , 2017, 20, 377-386.	0.6	34
65	Evaluation of sugar cane hemicellulose hydrolyzate for cultivation of yeasts and filamentous fungi. <i>Journal of Industrial Microbiology and Biotechnology</i> , 1997, 18, 360-363.	1.4	33
66	Bromelain-Functionalized Multiple-Wall Lipid-Core Nanocapsules: Formulation, Chemical Structure and Antiproliferative Effect Against Human Breast Cancer Cells (MCF-7). <i>Pharmaceutical Research</i> , 2017, 34, 438-452.	1.7	33
67	Xylanase and β -xylosidase separation by fractional precipitation. <i>Process Biochemistry</i> , 1999, 35, 277-283.	1.8	32
68	Critical overview of the main features and techniques used for the evaluation of the clinical applicability of L-asparaginase as a biopharmaceutical to treat blood cancer. <i>Blood Reviews</i> , 2020, 43, 100651.	2.8	32
69	Xylose reductase and xylitol dehydrogenase activities of D-xylose-xylitol-fermenting <i>Candida guilliermondii</i> . <i>Journal of Basic Microbiology</i> , 1996, 36, 187-191.	1.8	31
70	Bromelain purification through unconventional aqueous two-phase system (PEG/ammonium sulphate). <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 185-192.	1.7	31
71	In situ purification of periplasmatic L-asparaginase by aqueous two phase systems with ionic liquids (ILs) as adjuvants. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1871-1880.	1.6	31
72	Liquid-liquid extraction of lipase produced by psychrotrophic yeast <i>Leucosporidium scottii</i> L117 using aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2015, 156, 215-225.	3.9	30

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73	Improvement in extracellular protease production by the marine antarctic yeast <i>Rhodotorula mucilaginosa</i> L7. <i>New Biotechnology</i> , 2016, 33, 807-814.	2.4	30
74	Ionic liquids or eutectic solvents? Identifying the best solvents for the extraction of astaxanthin and β -carotene from <i>Phaffia rhodozyma</i> yeast and preparation of biodegradable films. <i>Green Chemistry</i> , 2022, 24, 118-123.	4.6	30
75	Affinity-tagged green fluorescent protein (GFP) extraction from a clarified <i>E. coli</i> cell lysate using a two-phase aqueous micellar system. <i>Biotechnology and Bioengineering</i> , 2006, 93, 998-1004.	1.7	29
76	Continuous extraction of β -toxin from a fermented broth of <i>Clostridium perfringens</i> Type A in perforated rotating disc contactor using aqueous two-phase PEG-phosphate system. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008, 47, 1771-1776.	1.8	29
77	LPS removal from an <i>E. coli</i> fermentation broth using aqueous two-phase micellar system. <i>Biotechnology Progress</i> , 2010, 26, 1644-1653.	1.3	29
78	Green fluorescent protein extraction and LPS removal from <i>Escherichia coli</i> fermentation medium using aqueous two-phase micellar system. <i>Separation and Purification Technology</i> , 2011, 81, 339-346.	3.9	29
79	From Synthesis to Characterization of Site-Selective PEGylated Proteins. <i>Frontiers in Pharmacology</i> , 2019, 10, 1450.	1.6	29
80	Protein drug delivery: current dosage form profile and formulation strategies. <i>Journal of Drug Targeting</i> , 2020, 28, 339-355.	2.1	29
81	Removal of proteases from <i>Clostridium perfringens</i> fermented broth by aqueous two-phase systems (PEG/citrate). <i>Journal of Industrial Microbiology and Biotechnology</i> , 2007, 34, 547-552.	1.4	28
82	Aqueous two-phase extraction using thermoseparating copolymer: a new system for phenolic compounds removal from hemicellulosic hydrolysate. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 167-173.	1.6	28
83	Single-chain antibody fragments: Purification methodologies. <i>Process Biochemistry</i> , 2013, 48, 1242-1251.	1.8	28
84	Extraction of fibrinolytic proteases from <i>Streptomyces</i> sp. DPUA1576 using PEG-phosphate aqueous two-phase systems. <i>Fluid Phase Equilibria</i> , 2013, 339, 52-57.	1.4	27
85	PEG/NaPA aqueous two-phase systems for the purification of proteases expressed by <i>Penicillium restrictum</i> from Brazilian Savanna. <i>Process Biochemistry</i> , 2014, 49, 2305-2312.	1.8	27
86	Immobilization of antimicrobial peptides from <i>Lactobacillus sakei</i> subsp. <i>sakei</i> 2a in bacterial cellulose: Structural and functional stabilization. <i>Food Packaging and Shelf Life</i> , 2018, 17, 25-29.	3.3	27
87	Biochemical characteristics and potential application of a novel ethanol and glucose-tolerant β -glucosidase secreted by <i>Pichia guilliermondii</i> G1.2. <i>Journal of Biotechnology</i> , 2019, 294, 73-80.	1.9	27
88	Advances and trends in biotechnological production of natural astaxanthin by <i>Phaffia rhodozyma</i> yeast. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 1862-1876.	5.4	27
89	Submerged Culture Conditions for the Production of Alternative Natural Colorants by a New Isolated <i>Penicillium purpurogenum</i> DPUA 1275. <i>Journal of Microbiology and Biotechnology</i> , 2013, 23, 802-810.	0.9	27
90	The effect of poly(ethylene glycol) on the activity and structure of glucose-6-phosphate dehydrogenase in solution. <i>Colloids and Surfaces B: Biointerfaces</i> , 2002, 26, 291-300.	2.5	26

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91	Thermal Stability of Recombinant Green Fluorescent Protein (GFPuv) at Various pH Values. <i>Applied Biochemistry and Biotechnology</i> , 2004, 114, 469-484.	1.4	26
92	Profiles of xylose reductase, xylitol dehydrogenase and xylitol production under different oxygen transfer volumetric coefficient values. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 326-330.	1.6	26
93	Plasmid DNA partitioning and separation using poly(ethylene glycol)/poly(acrylate)/salt aqueous two-phase systems. <i>Journal of Chromatography A</i> , 2012, 1233, 30-35.	1.8	26
94	Laccase production in bioreactor scale under saline condition by the marine-derived basidiomycete <i>Peniophora</i> sp. CBMAI 1063. <i>Fungal Biology</i> , 2018, 122, 302-309.	1.1	26
95	Influence and effect of osmolytes in biopharmaceutical formulations. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 131, 92-98.	2.0	26
96	Novel site-specific PEGylated L-asparaginase. <i>PLoS ONE</i> , 2019, 14, e0211951.	1.1	26
97	Kinetic and Thermodynamic Investigation on Ascorbate Oxidase Activity and Stability of a <i>Cucurbita maxima</i> Extract. <i>Biotechnology Progress</i> , 2006, 22, 1637-1642.	1.3	26
98	Inulinase from <i>Kluyveromyces marxianus</i> : culture medium composition and enzyme extraction. <i>Brazilian Journal of Chemical Engineering</i> , 1999, 16, 237-245.	0.7	26
99	Improvement of submerged culture conditions to produce colorants by <i>Penicillium purpurogenum</i> . <i>Brazilian Journal of Microbiology</i> , 2014, 45, 731-742.	0.8	24
100	Carbon metabolism influenced for promoters and temperature used in the heterologous protein production using <i>Pichia pastoris</i> yeast. <i>Brazilian Journal of Microbiology</i> , 2018, 49, 119-127.	0.8	24
101	Evaluation of cross-flow microfiltration membranes using a rotary disc-filter. <i>Process Biochemistry</i> , 1998, 33, 39-45.	1.8	23
102	Aqueous Two-Phase Micellar System for Nisin Extraction in the Presence of Electrolytes. <i>Food and Bioprocess Technology</i> , 2013, 6, 3456-3461.	2.6	23
103	Bioconversion of β -chitin into N-acetyl-glucosamine using chitinases produced by marine-derived <i>Aeromonas caviae</i> isolates. <i>World Journal of Microbiology and Biotechnology</i> , 2017, 33, 201.	1.7	23
104	Fed-Batch Production of <i>Saccharomyces cerevisiae</i> L-Asparaginase II by Recombinant <i>Pichia pastoris</i> MUTs Strain. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 16.	2.0	23
105	Recovery of extracellular inulinase by expanded bed adsorption. <i>Journal of Biotechnology</i> , 1996, 51, 89-95.	1.9	22
106	Kinetic and thermodynamic aspects of glucose-6-phosphate dehydrogenase activity and synthesis. <i>Enzyme and Microbial Technology</i> , 2003, 32, 107-113.	1.6	22
107	Micellar solubilization of ibuprofen: influence of surfactant head groups on the extent of solubilization. <i>BJPS: Brazilian Journal of Pharmaceutical Sciences</i> , 2005, 41, 237.	0.5	22
108	Nisin production utilizing skimmed milk aiming to reduce process cost. <i>Applied Biochemistry and Biotechnology</i> , 2007, 137-140, 515-528.	1.4	22

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109	Extractive fermentation of clavulanic acid by <i>Streptomyces</i> DAUFPE 3060 using aqueous two-phase system. <i>Biotechnology Progress</i> , 2011, 27, 95-103.	1.3	22
110	Effect of electrolytes as adjuvants in GFP and LPS partitioning on aqueous two-phase systems: 1. Polymer-polymer systems. <i>Separation and Purification Technology</i> , 2018, 206, 39-49.	3.9	22
111	An eco-friendly approach for the recovery of astaxanthin and β -carotene from <i>Phaffia rhodozyma</i> biomass using bio-based solvents. <i>Bioresource Technology</i> , 2022, 345, 126555.	4.8	22
112	Recovery of β -carotene and astaxanthin from <i>Phaffia rhodozyma</i> biomass using aqueous solutions of cholinium-based ionic liquids. <i>Separation and Purification Technology</i> , 2022, 290, 120852.	3.9	22
113	Intracellular Release of Recombinant Green Fluorescent Protein (gfp _{uv}) from <i>Escherichia coli</i> . <i>Applied Biochemistry and Biotechnology</i> , 2002, 98-100, 791-802.	1.4	21
114	<i>Penicillium</i> and <i>Talaromyces</i> endophytes from <i>Tillandsia catimbauensis</i> , a bromeliad endemic in the Brazilian tropical dry forest, and their potential for L-asparaginase production. <i>World Journal of Microbiology and Biotechnology</i> , 2018, 34, 162.	1.7	21
115	Challenges for the Self-Assembly of Poly(Ethylene Glycol)-Poly(Lactic Acid) (PEG-PLA) into Polymersomes: Beyond the Theoretical Paradigms. <i>Nanomaterials</i> , 2018, 8, 373.	1.9	21
116	Partition Behavior and Partial Purification of Hexokinase in Aqueous Two-Phase Polyethylene Glycol/Citrate Systems. <i>Applied Biochemistry and Biotechnology</i> , 2003, 108, 787-798.	1.4	20
117	New combined kinetic and thermodynamic approach to model glucose-6-phosphate dehydrogenase activity and stability. <i>Enzyme and Microbial Technology</i> , 2007, 40, 849-858.	1.6	20
118	The behavior of key enzymes of xylose metabolism on the xylitol production by <i>Candida guilliermondii</i> grown in hemicellulosic hydrolysate. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2009, 36, 87-93.	1.4	20
119	Partitioning and extraction of collagenase from <i>Penicillium aurantiogriseum</i> in poly(ethylene) Tj ETQq1 1 0.784314,rgBT /Overlock 10	1.4	20
120	Application of an aqueous two-phase micellar system to extract bromelain from pineapple (<i>Ananas comosus</i>) peel waste and analysis of bromelain stability in cosmetic formulations. <i>Biotechnology Progress</i> , 2015, 31, 937-945.	1.3	20
121	L-Asparaginase Purification. <i>Separation and Purification Reviews</i> , 2017, 46, 35-43.	2.8	20
122	A critical analysis of L-asparaginase activity quantification methods—colorimetric methods versus high-performance liquid chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 6985-6990.	1.9	20
123	Microbial cell disruption methods for efficient release of enzyme L-asparaginase. <i>Preparative Biochemistry and Biotechnology</i> , 2018, 48, 707-717.	1.0	20
124	Xylanase recovery: effect of extraction conditions on the AOT-reversed micellar systems using experimental design. <i>Process Biochemistry</i> , 1999, 34, 121-125.	1.8	19
125	Liquid-liquid extraction of enzymes by affinity aqueous two-phase systems. <i>Brazilian Archives of Biology and Technology</i> , 2003, 46, 741-750.	0.5	19
126	Antifungal activity of topical microemulsion containing a thiophene derivative. <i>Brazilian Journal of Microbiology</i> , 2014, 45, 545-550.	0.8	19

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127	Bioproduction of N-acetyl-glucosamine from colloidal β -chitin using an enzyme cocktail produced by <i>Aeromonas caviae</i> CHZ306. <i>World Journal of Microbiology and Biotechnology</i> , 2019, 35, 114.	1.7	19
128	A structural in silico analysis of the immunogenicity of L-asparaginase from <i>Escherichia coli</i> and <i>Erwinia carotovora</i> . <i>Biologicals</i> , 2019, 59, 47-55.	0.5	19
129	Partitioning of xylanolytic complex from <i>Penicillium janthinellum</i> by an aqueous two-phase system. <i>Biomedical Applications</i> , 2000, 743, 339-348.	1.7	18
130	Overexpression of Glucose-6-Phosphate Dehydrogenase in Genetically Modified <i>Saccharomyces cerevisiae</i> . <i>Applied Biochemistry and Biotechnology</i> , 2001, 91-93, 161-170.	1.4	18
131	Affinity partitioning of glucose-6-phosphate dehydrogenase and hexokinase in aqueous two-phase systems with free triazine dye ligands. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 780, 53-60.	1.2	18
132	Optimized extraction by cetyl trimethyl ammonium bromide reversed micelles of xylose reductase and xylitol dehydrogenase from <i>Candida guilliermondii</i> homogenate. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 807, 47-54.	1.2	18
133	Glucose-6-phosphate dehydrogenase and xylitol production by <i>Candida guilliermondii</i> FTI 20037 using statistical experimental design. <i>Process Biochemistry</i> , 2006, 41, 631-637.	1.8	18
134	Comparison of oxygen mass transfer coefficient in simple and extractive fermentation systems. <i>Biochemical Engineering Journal</i> , 2009, 47, 122-126.	1.8	18
135	Screening of Variables Influencing the Clavulanic Acid Production by <i>Streptomyces DAUFPE 3060</i> Strain. <i>Applied Biochemistry and Biotechnology</i> , 2010, 160, 1797-1807.	1.4	18
136	Influence of salts on the coexistence curve and protein partitioning in nonionic aqueous two-phase micellar systems. <i>Brazilian Journal of Chemical Engineering</i> , 2014, 31, 1057-1064.	0.7	18
137	Aqueous micellar systems containing Triton X-114 and <i>Pichia pastoris</i> fermentation supernatant: A novel alternative for single chain-antibody fragment purification. <i>Separation and Purification Technology</i> , 2014, 132, 295-301.	3.9	18
138	Effect of osmolytes on the activity of anti-cancer enzyme L-Asparaginase II from <i>Erwinia chrysanthemi</i> . <i>Process Biochemistry</i> , 2019, 81, 123-131.	1.8	18
139	Screening and optimizing fermentation production of α -asparaginase by <i>Aspergillus terreus</i> strain Sâ€18 isolated from the Brazilian Caatinga Biome. <i>Journal of Applied Microbiology</i> , 2019, 126, 1426-1437.	1.4	18
140	Extraction by Reversed Micelles of the Intracellular Enzyme Xylose Reductase. <i>Applied Biochemistry and Biotechnology</i> , 2001, 91-93, 753-760.	1.4	17
141	Influence of pH on the partition of glucose-6-phosphate dehydrogenase and hexokinase in aqueous two-phase system. <i>Brazilian Journal of Microbiology</i> , 2002, 33, 196-201.	0.8	17
142	Optimization of glucose-6-phosphate dehydrogenase releasing from <i>Candida guilliermondii</i> by disruption with glass beads. <i>Enzyme and Microbial Technology</i> , 2006, 39, 591-595.	1.6	17
143	Effect of polyethylene glycol on the thermal stability of green fluorescent protein. <i>Biotechnology Progress</i> , 2010, 26, 252-256.	1.3	17
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