Jorge Benavides

List of Publications by Year
in descending order

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Version: 2024-02-01

33 papers	1,540 citations	430442 18 h-index	414034 32 g-index
33 all docs	33 docs citations	33 times ranked	2024 citing authors

#	Article	IF	Citations
1	Rational selection of bioactive principles for wound healing applications: Growth factors and antioxidants. International Wound Journal, 2022, 19, 100-113.	1.3	33
2	UVA and UVB Radiation as Innovative Tools to Biofortify Horticultural Crops with Nutraceuticals. Horticulturae, 2022, 8, 387.	1.2	11
3	Reactive aqueous two-phase systems for the production and purification of PEGylated proteins. Electronic Journal of Biotechnology, 2021, 54, 60-68.	1.2	4
4	Evaluation of the Immune Response of a Candidate Phage-Based Vaccine against Rhipicephalus microplus (Cattle Tick). Pharmaceutics, 2021, 13, 2018.	2.0	2
5	Bacteriophage-Based Vaccines: A Potent Approach for Antigen Delivery. Vaccines, 2020, 8, 504.	2.1	46
6	Economic evaluation of M13 bacteriophage production at largeâ€Scale for therapeutic applications using aqueous Twoâ€Phase systems. Journal of Chemical Technology and Biotechnology, 2020, 95, 2822-2833.	1.6	11
7	Thermo-separating polymer-based aqueous two-phase systems for the recovery of PEGylated lysozyme species. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1105, 120-128.	1.2	9
8	Effects of sound elements on growth, viability and protein production yield in Escherichia coli. Journal of Chemical Technology and Biotechnology, 2019, 94, 1100-1113.	1.6	4
9	Identification of Arenin, a Novel Kunitz-Like Polypeptide from the Skin Secretions of Dryophytes arenicolor. International Journal of Molecular Sciences, 2018, 19, 3644.	1.8	0
10	Improved recovery of bacteriophage M13 using an ATPSâ€based bioprocess. Biotechnology Progress, 2018, 34, 1177-1184.	1.3	2
11	Characterization of Aqueous Two-Phase Systems and Their Potential New Applications. Food Engineering Series, 2017, , 19-33.	0.3	1
12	Recovery and primary purification of bacteriophage M13 using aqueous twoâ€phase systems. Journal of Chemical Technology and Biotechnology, 2017, 92, 2808-2816.	1.6	20
13	UVA, UVB Light Doses and Harvesting Time Differentially Tailor Glucosinolate and Phenolic Profiles in Broccoli Sprouts. Molecules, 2017, 22, 1065.	1.7	79
14	UVA, UVB Light, and Methyl Jasmonate, Alone or Combined, Redirect the Biosynthesis of Glucosinolates, Phenolics, Carotenoids, and Chlorophylls in Broccoli Sprouts. International Journal of Molecular Sciences, 2017, 18, 2330.	1.8	114
15	Aqueous Two-Phase System Strategies for the Recovery and Partial Purification of Bioactive Low Molecular Weight Compounds. Food Engineering Series, 2017, , 79-96.	0.3	2
16	Primary recovery of bioactive compounds from stressed carrot tissue using aqueous twoâ€phase systems strategies. Journal of Chemical Technology and Biotechnology, 2016, 91, 144-154.	1.6	40
17	Potential application of aqueous twoâ€phase systems and threeâ€phase partitioning for the recovery of superoxide dismutase from a clarified homogenate of <scp>K</scp>luyveromyces marxianus. Biotechnology Progress, 2014, 30, 1326-1334.	1.3	15
18	Application of Aqueous Two-Phase Systems for the Recovery of Bioactive Low-Molecular Weight Compounds. Separation Science and Technology, 2014, 49, 1872-1882.	1.3	21

#	Article	IF	Citations
19	Scaling-up of a B-phycoerythrin production and purification bioprocess involving aqueous two-phase systems: Practical experiences. Process Biochemistry, 2013, 48, 738-745.	1.8	57
20	The Folinâ€“Ciocalteu assay revisited: improvement of its specificity for total phenolic content determination. Analytical Methods, 2013, 5, 5990.	1.3	467
21	Effects of chemical modifications in the partition behavior of proteins in aqueous twoâ€phase systems: A case study with <scp>RNase</scp> A. Biotechnology Progress, 2013, 29, 378-385.	1.3	13
22	A novel process for the recovery of superoxide dismutase from yeast exploiting electroextraction coupled to direct sorption. Journal of Chemical Technology and Biotechnology, 2013, 88, 1498-1505.	1.6	4
23	Plants as Biofactories: Glyphosate-Induced Production of Shikimic Acid and Phenolic Antioxidants in Wounded Carrot Tissue. Journal of Agricultural and Food Chemistry, 2012, 60, 11378-11386.	2.4	61
24	Advances and trends in the design, analysis, and characterization of polymerâ€“protein conjugates for â€œPEGylaidedâ€•bioprocesses. Analytical and Bioanalytical Chemistry, 2012, 403, 2225-2235.	1.9	38
25	Recovery of crocins from saffron stigmas (Crocus sativus) in aqueous two-phase systems. Journal of Chromatography A, 2012, 1236, 7-15.	1.8	58
26	Current advances in the nonâ€chromatographic fractionation and characterization of PEGylated proteins. Journal of Chemical Technology and Biotechnology, 2011, 86, 18-25.	1.6	27
27	Potential application of aqueous twoâ€phase systems for the fractionation of RNase A and Î±â€Lactalbumin from their PEGylated conjugates. Journal of Chemical Technology and Biotechnology, 2011, 86, 26-33.	1.6	35
28	Quantification of RNase A and Its PEGylated Conjugates on Polymer-Salt Rich Environments Using UV Spectrophotometry. Analytical Letters, 2011, 44, 800-814.	1.0	9
29	Potential of Aqueous Two-Phase Systems constructed on flexible devices: Human serum albumin as proof of concept. Process Biochemistry, 2010, 45, 1082-1087.	1.8	15
30	Practical experiences from the development of aqueous twoâ€phase processes for the recovery of high value biological products. Journal of Chemical Technology and Biotechnology, 2008, 83, 133-142.	1.6	137
31	Rotavirus-like particles primary recovery from insect cells in aqueous two-phase systemsâ˜†. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2006, 842, 48-57.	1.2	88
32	Simplified two-stage method to B-phycoerythrin recovery from Porphyridium cruentumâ˜†. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2006, 844, 39-44.	1.2	62
33	Recovery in aqueous two-phase systems of lutein produced by the green microalga Chlorella protothecoides. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 807, 105-110.	1.2	55