

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	The Folin-Ciocalteu assay revisited: improvement of its specificity for total phenolic content determination. <i>Analytical Methods</i> , 2013, 5, 5990.	1.3	467
2	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
3	UVA, UVB Light, and Methyl Jasmonate, Alone or Combined, Redirect the Biosynthesis of Glucosinolates, Phenolics, Carotenoids, and Chlorophylls in Broccoli Sprouts. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2330.	1.8	114
4	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
5	UVA, UVB Light Doses and Harvesting Time Differentially Tailor Glucosinolate and Phenolic Profiles in Broccoli Sprouts. <i>Molecules</i> , 2017, 22, 1065.	1.7	79
6	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
7	Plants as Biofactories: Glyphosate-Induced Production of Shikimic Acid and Phenolic Antioxidants in Wounded Carrot Tissue. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 11378-11386.	2.4	61
8	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
9	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
10	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
11	Bacteriophage-Based Vaccines: A Potent Approach for Antigen Delivery. <i>Vaccines</i> , 2020, 8, 504.	2.1	46
12	Primary recovery of bioactive compounds from stressed carrot tissue using aqueous two-phase systems strategies. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 144-154.	1.6	40
13	Advances and trends in the design, analysis, and characterization of polymer-protein conjugates for PEGylated bioprocesses. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 2225-2235.	1.9	38
14	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
15	Rational selection of bioactive principles for wound healing applications: Growth factors and antioxidants. <i>International Wound Journal</i> , 2022, 19, 100-113.	1.3	33
16	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
17	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
18	Recovery and primary purification of bacteriophage M13 using aqueous two-phase systems. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 2808-2816.	1.6	20

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19	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
20	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
21	Effects of chemical modifications in the partition behavior of proteins in aqueous two-phase systems: A case study with RNase A. <i>Biotechnology Progress</i> , 2013, 29, 378-385.	1.3	13
22	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
23	UVA and UVB Radiation as Innovative Tools to Biofortify Horticultural Crops with Nutraceuticals. <i>Horticulturae</i> , 2022, 8, 387.	1.2	11
24	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
25	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
26	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
27	Effects of sound elements on growth, viability and protein production yield in <i>Escherichia coli</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 1100-1113.	1.6	4
28	Reactive aqueous two-phase systems for the production and purification of PEGylated proteins. <i>Electronic Journal of Biotechnology</i> , 2021, 54, 60-68.	1.2	4
29	Improved recovery of bacteriophage M13 using an ATPS-based bioprocess. <i>Biotechnology Progress</i> , 2018, 34, 1177-1184.	1.3	2
30	Aqueous Two-Phase System Strategies for the Recovery and Partial Purification of Bioactive Low Molecular Weight Compounds. <i>Food Engineering Series</i> , 2017, , 79-96.	0.3	2
31	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
32	Characterization of Aqueous Two-Phase Systems and Their Potential New Applications. <i>Food Engineering Series</i> , 2017, , 19-33.	0.3	1
33	Identification of Arenin, a Novel Kunitz-Like Polypeptide from the Skin Secretions of Dryophytes <i>arenicolor</i> . <i>International Journal of Molecular Sciences</i> , 2018, 19, 3644.	1.8	0