

Beatriz M Brena

List of Publications by Year in descending order

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44
papers

1,201
citations

331259

21
h-index

377514

34
g-index

45
all docs

45
docs citations

45
times ranked

1862
citing authors

#	ARTICLE	IF	CITATIONS
1	Immobilization of Enzymes: A Literature Survey. <i>Methods in Molecular Biology</i> , 2013, 1051, 15-31.	0.4	211
2	A novel extracellular β -glucosidase from <i>Issatchenkia terricola</i> : Isolation, immobilization and application for aroma enhancement of white Muscat wine. <i>Process Biochemistry</i> , 2011, 46, 385-389.	1.8	96
3	Microcystins in potable surface waters: toxic effects and removal strategies. <i>Journal of Applied Toxicology</i> , 2014, 34, 441-457.	1.4	92
4	One-step purification and characterization of an intracellular β -glucosidase from <i>Metschnikowia pulcherrima</i> . <i>Biotechnology Letters</i> , 2008, 30, 1469-1475.	1.1	50
5	Aroma enhancement in wines using co-immobilized <i>Aspergillus niger</i> glycosidases. <i>Food Chemistry</i> , 2014, 143, 185-191.	4.2	48
6	Microcystin accumulation and antioxidant responses in the freshwater clam <i>Diplodon chilensis patagonicus</i> upon subchronic exposure to toxic <i>Microcystis aeruginosa</i> . <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 1188-1194.	2.9	47
7	Comparison of Three Antihapten VHH Selection Strategies for the Development of Highly Sensitive Immunoassays for Microcystins. <i>Analytical Chemistry</i> , 2017, 89, 6800-6806.	3.2	40
8	Selective adsorption of immunoglobulins and glucosylated proteins on phenylboronate-agarose. <i>Journal of Chromatography A</i> , 1992, 604, 109-115.	1.8	35
9	Characterization of Galactosyl Derivatives Obtained by Transgalactosylation of Lactose and Different Polyols Using Immobilized β -Galactosidase from <i>Aspergillus oryzae</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 11302-11307.	2.4	35
10	Production and characterization of a β -glucosidase from <i>Issatchenkia terricola</i> and its use for hydrolysis of aromatic precursors in Cabernet Sauvignon wine. <i>LWT - Food Science and Technology</i> , 2018, 87, 515-522.	2.5	33
11	Chromatographic methods for amylases. <i>Biomedical Applications</i> , 1996, 684, 217-237.	1.7	32
12	Thiolation and reversible immobilization of sweet potato α -amylase on thiol-sulfonate-agarose. <i>Journal of Molecular Catalysis</i> , 1993, 84, 381-390.	1.2	29
13	Limited analytical capacity for cyanotoxins in developing countries may hide serious environmental health problems: Simple and affordable methods may be the answer. <i>Journal of Environmental Management</i> , 2013, 114, 63-71.	3.8	29
14	Cellular transport of microcystin-LR in rainbow trout (<i>Oncorhynchus mykiss</i>) across the intestinal wall: Possible involvement of multidrug resistance-associated proteins. <i>Aquatic Toxicology</i> , 2014, 154, 97-106.	1.9	29
15	Hydrophilization of immobilized model enzymes suggests a widely applicable method for enhancing protein stability in polar organic co-solvents. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2007, 46, 43-51.	1.8	28
16	ELISA as an Affordable Methodology for Monitoring Groundwater Contamination by Pesticides in Low-Income Countries. <i>Environmental Science & Technology</i> , 2005, 39, 3896-3903.	4.6	27
17	Enzymatic synthesis of galactosyl-xylose by <i>Aspergillus oryzae</i> β -galactosidase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2002, 19-20, 159-165.	1.8	26
18	Chemoenzymatic Synthesis and Biological Evaluation of β -Conduramine. <i>Synthetic Communications</i> , 2007, 37, 3509-3518.	1.1	26

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19	Influence of the immobilization chemistry on the properties of immobilized β -galactosidases. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2001, 11, 597-606.	1.8	24
20	Rapid freshwater discharge on the coastal ocean as a mean of long distance spreading of an unprecedented toxic cyanobacteria bloom. <i>Science of the Total Environment</i> , 2021, 754, 142362.	3.9	23
21	Influence of beta glucosidases from native yeast on the aroma of Muscat and Tannat wines. <i>Food Chemistry</i> , 2021, 346, 128899.	4.2	22
22	Immobilization of β -galactosidase on thiol-sulfonate-agarose. <i>Enzyme and Microbial Technology</i> , 1995, 17, 151-156.	1.6	21
23	Oxidative effects and toxin bioaccumulation after dietary microcystin intoxication in the hepatopancreas of the crab <i>Neohelice (Chasmagnathus) granulata</i> . <i>Ecotoxicology and Environmental Safety</i> , 2015, 120, 136-141.	2.9	20
24	Effect of increasing co-solvent concentration on the stability of soluble and immobilized β -galactosidase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2003, 21, 25-29.	1.8	19
25	ITREOH Building of Regional Capacity to Monitor Recreational Water: Development of a Non-commercial Microcystin ELISA and Its Impact on Public Health Policy. <i>International Journal of Occupational and Environmental Health</i> , 2006, 12, 377-385.	1.2	16
26	Influence of UV-B radiation on the fitness and toxin expression of the cyanobacterium <i>Cylindrospermopsis raciborskii</i> . <i>Hydrobiologia</i> , 2016, 763, 161-172.	1.0	15
27	Generating favorable nano-environments for thermal and solvent stabilization of immobilized β -galactosidase. <i>Biotechnology and Bioengineering</i> , 2002, 77, 430-434.	1.7	14
28	Rapid quantitative analysis of microcystins in raw surface waters with MALDI MS utilizing easily synthesized internal standards. <i>Toxicon</i> , 2014, 78, 94-102.	0.8	14
29	Oriented Functionalization of Magnetic Beads with <i>in Vivo</i> Biotinylated Nanobodies for Rapid MALDI-TOF MS Ultrasensitive Quantitation of Microcystins in Biological Samples. <i>Analytical Chemistry</i> , 2019, 91, 9925-9931.	3.2	13
30	Combined Danio rerio embryo morbidity, mortality and photomotor response assay: A tool for developmental risk assessment from chronic cyanoHAB exposure. <i>Science of the Total Environment</i> , 2019, 697, 134210.	3.9	11
31	Synergistic effects of nutrients and light favor Nostocales over non-heterocystous cyanobacteria. <i>Hydrobiologia</i> , 2017, 794, 241-255.	1.0	10
32	Polyethylenimine coated agarose supports, for the reversible immobilisation of β -galactosidase from <i>Aspergillus oryzae</i> . <i>International Journal of Biotechnology</i> , 2004, 6, 338.	1.2	9
33	ENZYME-LINKED IMMUNOSORBENT ASSAY FOR SCREENING DIOXIN SOIL CONTAMINATION BY UNCONTROLLED COMBUSTION DURING INFORMAL RECYCLING IN SLUMS. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 2224.	2.2	9
34	Activity and stability of <i>Escherichia coli</i> β -galactosidase in cosolvent systems. <i>Biotechnology Letters</i> , 1998, 12, 885-888.	0.5	8
35	Effects of Wind Mixing in a Stratified Water Column on Toxic Cyanobacteria and Microcystin-LR Distribution in a Subtropical Reservoir. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2018, 101, 611-616.	1.3	8
36	Chemical thiolation strategy: A determining factor in the properties of thiol-bound biocatalysts. <i>Biocatalysis and Biotransformation</i> , 2007, 25, 373-381.	1.1	7

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37	Screening of dioxin-like compounds by complementary evaluation strategy utilising ELISA, micro-EROD, and HRGC-HRMS in soil and sediments from Montevideo, Uruguay. <i>Toxicology in Vitro</i> , 2014, 28, 1036-1045.	1.1	6
38	On the relationship between the physiological state of bacteria and rapid enzymatic assays of fecal coliforms in the environment. <i>Biotechnology Letters</i> , 2003, 25, 1329-1334.	1.1	4
39	Enzymatic synthesis of 3-aminopropyl-1-O- β -D-galactopyranoside catalyzed by <i>Aspergillus oryzae</i> β -galactosidase. <i>Biocatalysis and Biotransformation</i> , 2015, 33, 197-207.	1.1	4
40	Cyclopeptides Natural Products as Herbicides and Inhibitors of Cyanobacteria: Synthesis of Versicotides E and F. <i>ChemistrySelect</i> , 2022, 7, .	0.7	4
41	Affinity chromatography of soybean β -amylase on phenylboronate agarose. <i>Journal of High Resolution Chromatography</i> , 1992, 15, 482-484.	2.0	2
42	Selective removal of enzymes from substrate and products. An alternative to immobilization for enzymes acting on macromolecular or solid substrates. <i>Applied Biochemistry and Biotechnology</i> , 1998, 75, 323-341.	1.4	2
43	Microcystin ELISA in water and animal serum for an integrated environmental monitoring strategy. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 1711-1723.	1.8	2
44	Substrate-like inhibition of the transgalactosylation reaction catalyzed by β -galactosidase from <i>Aspergillus oryzae</i> . <i>Biocatalysis and Biotransformation</i> , 2013, 31, 57-65.	1.1	1