

Eduardo V Soares

List of Publications by Year in descending order

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71
papers

2,587
citations

201385

27
h-index

205818

48
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72
all docs

72
docs citations

72
times ranked

3017
citing authors

#	ARTICLE	IF	CITATIONS
1	(Un)suitability of the use of pH buffers in biological, biochemical and environmental studies and their interaction with metal ions – a review. RSC Advances, 2015, 5, 30989-31003.	1.7	249
2	Flocculation in <i>Saccharomyces cerevisiae</i> : a review. Journal of Applied Microbiology, 2011, 110, 1-18.	1.4	229
3	Promising bacterial genera for agricultural practices: An insight on plant growth-promoting properties and microbial safety aspects. Science of the Total Environment, 2019, 682, 779-799.	3.9	146
4	Bioremediation of industrial effluents containing heavy metals using brewing cells of <i>Saccharomyces cerevisiae</i> as a green technology: a review. Environmental Science and Pollution Research, 2012, 19, 1066-1083.	2.7	110
5	Removal of heavy metals using a brewer's yeast strain of <i>Saccharomyces cerevisiae</i> : The flocculation as a separation process. Bioresource Technology, 2008, 99, 2107-2115.	4.8	102
6	Removal of heavy metals using a brewer's yeast strain of <i>Saccharomyces cerevisiae</i> : Chemical speciation as a tool in the prediction and improving of treatment efficiency of real electroplating effluents. Journal of Hazardous Materials, 2010, 180, 347-353.	6.5	86
7	Comparison of five bacterial strains producing siderophores with ability to chelate iron under alkaline conditions. AMB Express, 2019, 9, 78.	1.4	84
8	Removal of heavy metals using a brewer's yeast strain of <i>Saccharomyces cerevisiae</i> : advantages of using dead biomass. Journal of Applied Microbiology, 2009, 106, 1792-1804.	1.4	77
9	Toxic effects caused by heavy metals in the yeast <i>Saccharomyces cerevisiae</i> : a comparative study. Canadian Journal of Microbiology, 2003, 49, 336-343.	0.8	66
10	Flocculation onset in <i>Saccharomyces cerevisiae</i> : the role of nutrients. Journal of Applied Microbiology, 2005, 98, 525-531.	1.4	65
11	Responses of the alga <i>Pseudokirchneriella subcapitata</i> to long-term exposure to metal stress. Journal of Hazardous Materials, 2015, 296, 82-92.	6.5	62
12	Modification of cell volume and proliferative capacity of <i>Pseudokirchneriella subcapitata</i> cells exposed to metal stress. Aquatic Toxicology, 2014, 147, 1-6.	1.9	54
13	Siderophore Production by <i>Bacillus megaterium</i> : Effect of Growth Phase and Cultural Conditions. Applied Biochemistry and Biotechnology, 2014, 172, 549-560.	1.4	51
14	Flocculation onset in <i>Saccharomyces cerevisiae</i> : effect of ethanol, heat and osmotic stress. Journal of Applied Microbiology, 2007, 102, 693-700.	1.4	48
15	Flocculation onset, growth phase, and genealogical age in <i>Saccharomyces cerevisiae</i> . Canadian Journal of Microbiology, 1996, 42, 539-547.	0.8	47
16	Effect of cultural and nutritional conditions on the control of flocculation expression in <i>Saccharomyces cerevisiae</i> . Canadian Journal of Microbiology, 1994, 40, 851-857.	0.8	42
17	Mitochondria are the main source and one of the targets of Pb (lead)-induced oxidative stress in the yeast <i>Saccharomyces cerevisiae</i> . Applied Microbiology and Biotechnology, 2014, 98, 5153-5160.	1.7	42
18	Impact of erythromycin on a non-target organism: Cellular effects on the freshwater microalga <i>Pseudokirchneriella subcapitata</i> . Aquatic Toxicology, 2019, 208, 179-186.	1.9	42

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19	Toxic effects of nickel oxide (NiO) nanoparticles on the freshwater alga <i>Pseudokirchneriella subcapitata</i> . <i>Aquatic Toxicology</i> , 2018, 204, 80-90.	1.9	38
20	Title is missing!. <i>Biotechnology Letters</i> , 2002, 24, 663-666.	1.1	37
21	Lead induces oxidative stress and phenotypic markers of apoptosis in <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 679-687.	1.7	37
22	Removal of Chromium, Copper, and Nickel from an Electroplating Effluent Using a Flocculent Brewer's Yeast Strain of <i>Saccharomyces cerevisiae</i> . <i>Water, Air, and Soil Pollution</i> , 2010, 212, 199-204.	1.1	33
23	Viability and release of complexing compounds during accumulation of heavy metals by a brewer's yeast. <i>Applied Microbiology and Biotechnology</i> , 2002, 58, 836-841.	1.7	31
24	Effect of different starvation conditions on the flocculation of <i>Saccharomyces cerevisiae</i> . <i>Journal of Applied Microbiology</i> , 2003, 95, 325-330.	1.4	31
25	QUANTIFICATION OF YEAST FLOCCULATION. <i>Journal of the Institute of Brewing</i> , 1997, 103, 93-98.	0.8	30
26	Selective recovery of copper, nickel and zinc from ashes produced from <i>Saccharomyces cerevisiae</i> contaminated biomass used in the treatment of real electroplating effluents. <i>Journal of Hazardous Materials</i> , 2010, 184, 357-363.	6.5	30
27	Perspective on the biotechnological production of bacterial siderophores and their use. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 3985-4004.	1.7	29
28	Development of a short-term assay based on the evaluation of the plasma membrane integrity of the alga <i>Pseudokirchneriella subcapitata</i> . <i>Applied Microbiology and Biotechnology</i> , 2012, 95, 1035-1042.	1.7	28
29	Flocculation in ale brewing strains of <i>Saccharomyces cerevisiae</i> : re-evaluation of the role of cell surface charge and hydrophobicity. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 1221-1229.	1.7	28
30	ABCC Subfamily Vacuolar Transporters are Involved in Pb (Lead) Detoxification in <i>Saccharomyces cerevisiae</i> . <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 65-74.	1.4	28
31	Sensitivity of freshwater and marine green algae to three compounds of emerging concern. <i>Journal of Applied Phycology</i> , 2019, 31, 399-408.	1.5	28
32	Harmful effects of metal(loid) oxide nanoparticles. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 1379-1394.	1.7	27
33	Nickel Oxide (NiO) Nanoparticles Induce Loss of Cell Viability in Yeast Mediated by Oxidative Stress. <i>Chemical Research in Toxicology</i> , 2018, 31, 658-665.	1.7	26
34	Cleanup of industrial effluents containing heavy metals: a new opportunity of valorising the biomass produced by brewing industry. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 6667-6675.	1.7	25
35	Carbohydrate carbon sources induce loss of flocculation of an ale-brewing yeast strain. <i>Journal of Applied Microbiology</i> , 2004, 96, 1117-1123.	1.4	24
36	Short- and Long-Term Exposure to Heavy Metals Induced Oxidative Stress Response in <i>Pseudokirchneriella subcapitata</i> . <i>Clean - Soil, Air, Water</i> , 2016, 44, 1578-1583.	0.7	23

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37	Removal of heavy metals using a brewer's yeast strain of <i>Saccharomyces cerevisiae</i> : application to the treatment of real electroplating effluents containing multielements. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 1353-1360.	1.6	22
38	Lead toxicity in <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 2010, 88, 1355-1361.	1.7	21
39	Selective recovery of chromium, copper, nickel, and zinc from an acid solution using an environmentally friendly process. <i>Environmental Science and Pollution Research</i> , 2011, 18, 1279-1285.	2.7	21
40	Exposure of the alga <i>Pseudokirchneriella subcapitata</i> to environmentally relevant concentrations of the herbicide metolachlor: Impact on the redox homeostasis. <i>Ecotoxicology and Environmental Safety</i> , 2021, 207, 111264.	2.9	21
41	Use of a fluorescence-based approach to assess short-term responses of the alga <i>Pseudokirchneriella subcapitata</i> to metal stress. <i>Journal of Applied Phycology</i> , 2015, 27, 805-813.	1.5	19
42	Reproductive cycle progression arrest and modification of cell morphology (shape and biovolume) in the alga <i>Pseudokirchneriella subcapitata</i> exposed to metolachlor. <i>Aquatic Toxicology</i> , 2020, 222, 105449.	1.9	19
43	Title is missing!. <i>Biotechnology Letters</i> , 2000, 22, 1827-1832.	1.1	18
44	Toxicity Induced by a Metal Mixture (Cd, Pb and Zn) in the Yeast <i>Pichia kudriavzevii</i> : The Role of Oxidative Stress. <i>Current Microbiology</i> , 2016, 72, 545-550.	1.0	18
45	Nickel oxide (NiO) nanoparticles disturb physiology and induce cell death in the yeast <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 2827-2838.	1.7	18
46	Title is missing!. <i>Biotechnology Letters</i> , 2000, 22, 859-863.	1.1	17
47	Evaluation of the Role of Glutathione in the Lead-Induced Toxicity in <i>Saccharomyces cerevisiae</i> . <i>Current Microbiology</i> , 2013, 67, 300-305.	1.0	17
48	Optimization of a Microplate-Based Assay to Assess Esterase Activity in the Alga <i>Pseudokirchneriella subcapitata</i> . <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	17
49	Chronic exposure of the freshwater alga <i>Pseudokirchneriella subcapitata</i> to five oxide nanoparticles: Hazard assessment and cytotoxicity mechanisms. <i>Aquatic Toxicology</i> , 2019, 214, 105265.	1.9	17
50	Influence of aeration and glucose concentration in the flocculation of <i>Saccharomyces cerevisiae</i> . <i>Biotechnology Letters</i> , 1991, 13, 207-212.	1.1	16
51	Interaction between flocculent and nonflocculent cells of <i>Saccharomyces cerevisiae</i> . <i>Canadian Journal of Microbiology</i> , 1992, 38, 969-974.	0.8	15
52	Evaluation of the Efficacy of Two New Biotechnological-Based Freeze-Dried Fertilizers for Sustainable Fe Deficiency Correction of Soybean Plants Grown in Calcareous Soils. <i>Frontiers in Plant Science</i> , 2019, 10, 1335.	1.7	15
53	Toxicological effects induced by the biocide triclosan on <i>Pseudokirchneriella subcapitata</i> . <i>Aquatic Toxicology</i> , 2021, 230, 105706.	1.9	15
54	Study of the suitability of 2-(N-morpholino) ethanesulfonic acid pH buffer for heavy metals accumulation studies using <i>Saccharomyces cerevisiae</i> . <i>Chemical Speciation and Bioavailability</i> , 2000, 12, 59-65.	2.0	14

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55	Assessment of cellular reduced glutathione content in <i>Pseudokirchneriella subcapitata</i> using monochlorobimane. <i>Journal of Applied Phycology</i> , 2012, 24, 1509-1516.	1.5	14
56	Metal(loid) oxide (Al ₂ O ₃ , Mn ₃ O ₄ , SiO ₂ and SnO ₂) nanoparticles cause cytotoxicity in yeast via intracellular generation of reactive oxygen species. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 6257-6269.	1.7	14
57	Title is missing!. <i>Biotechnology Letters</i> , 2002, 24, 1957-1960.	1.1	13
58	Pb ²⁺ Inhibits Competitively Flocculation of <i>Saccharomyces cerevisiae</i> . <i>Journal of the Institute of Brewing</i> , 2004, 110, 141-145.	0.8	13
59	Modulation of Siderophore Production by <i>Pseudomonas fluorescens</i> Through the Manipulation of the Culture Medium Composition. <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 607-618.	1.4	12
60	Separation of yeasts by addition of flocculent cells of <i>Saccharomyces cerevisiae</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2007, 23, 1401-1407.	1.7	10
61	Nickel Oxide Nanoparticles Trigger Caspase- and Mitochondria-Dependent Apoptosis in the Yeast <i>Saccharomyces cerevisiae</i> . <i>Chemical Research in Toxicology</i> , 2019, 32, 245-254.	1.7	9
62	Alternative chelating agents: Evaluation of the ready biodegradability and complexation properties. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 344-354.	0.9	7
63	Impact of multi-metals (Cd, Pb and Zn) exposure on the physiology of the yeast <i>Pichia kudriavzevii</i> . <i>Environmental Science and Pollution Research</i> , 2015, 22, 11127-11136.	2.7	7
64	A multi-metal risk assessment strategy for natural freshwater ecosystems based on the additive inhibitory free metal ion concentration index. <i>Environmental Pollution</i> , 2017, 223, 517-523.	3.7	7
65	Population dynamics of flocculating yeasts. <i>FEMS Microbiology Reviews</i> , 1994, 14, 45-51.	3.9	6
66	<i>Saccharomyces cerevisiae</i> Mutants Affected in Vacuole Assembly or Vacuolar H ⁺ -ATPase are Hypersensitive to Lead (Pb) Toxicity. <i>Current Microbiology</i> , 2014, 68, 113-119.	1.0	5
67	Impact of fluorides on the removal of heavy metals from an electroplating effluent using a flocculent brewer's yeast strain of <i>Saccharomyces cerevisiae</i> . <i>Chemical Speciation and Bioavailability</i> , 2011, 23, 237-242.	2.0	4
68	Quantification and viability analyses of <i>Pseudokirchneriella subcapitata</i> algal cells using image-based cytometry. <i>Journal of Applied Phycology</i> , 2015, 27, 703-710.	1.5	4
69	Improvement of the slide culture technique for the assessment of yeast viability. <i>Journal of the Institute of Brewing</i> , 2017, 123, 39-44.	0.8	3
70	Flocculation in <i>Saccharomyces Cerevisiae</i> . , 2009, , 103-112.		2
71	Influence of the metabolic state on the tolerance of <i>Pichia kudriavzevii</i> to heavy metals. <i>Journal of Basic Microbiology</i> , 2016, 56, 1244-1251.	1.8	1