

# Reinaldo Bastos

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

691  
citations

567281

15  
h-index

580821

25  
g-index

46  
all docs

46  
docs citations

46  
times ranked

908  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of treated wastewater irrigation on soil properties and lettuce yield. <i>Agricultural Water Management</i> , 2017, 181, 108-115.	5.6	102
2	The kinetics of the removal of nitrogen and organic matter from parboiled rice effluent by cyanobacteria in a stirred batch reactor. <i>Bioresource Technology</i> , 2007, 98, 2163-2169.	9.6	88
3	Influence of the use of wastewater on nutrient absorption and production of lettuce grown in a hydroponic system. <i>Agricultural Water Management</i> , 2018, 203, 311-321.	5.6	49
4	COD and nitrogen removal from sugarcane vinasse by heterotrophic green algae <i>Desmodesmus</i> sp.. <i>Desalination and Water Treatment</i> , 2016, 57, 9465-9473.	1.0	40
5	Heterotrophic growth of green microalgae <i>Desmodesmus subspicatus</i> in ethanol distillation wastewater (vinasse) and lipid extraction with supercritical CO <sub>2</sub> . <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 573-579.	3.2	33
6	Microfluidic tools toward industrial biotechnology. <i>Biotechnology Progress</i> , 2016, 32, 1372-1389.	2.6	32
7	A strain of <i>Meyerozyma guilliermondii</i> isolated from sugarcane juice is able to grow and ferment pentoses in synthetic and bagasse hydrolysate media. <i>World Journal of Microbiology and Biotechnology</i> , 2016, 32, 80.	3.6	32
8	Sugarcane vinasse and microalgal biomass in the production of pectin particles as an alternative soil fertilizer. <i>Carbohydrate Polymers</i> , 2019, 203, 322-330.	10.2	31
9	Biofuels from Microalgae: Bioethanol. <i>Green Energy and Technology</i> , 2018, , 229-246.	0.6	22
10	Effects of feedstock and co-culture of <i>Lactobacillus fermentum</i> and wild <i>Saccharomyces cerevisiae</i> strain during fuel ethanol fermentation by the industrial yeast strain PE-2. <i>AMB Express</i> , 2018, 8, 23.	3.0	19
11	Single and combined effects of acetic acid, furfural, and sugars on the growth of the pentose-fermenting yeast <i>Meyerozyma guilliermondii</i> . <i>3 Biotech</i> , 2018, 8, 119.	2.2	17
12	Effect of the nutrient solution in the microbial production of citric acid from sugarcane bagasse and vinasse. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 19, 101147.	3.1	17
13	The influence of process parameters in production of lipopeptide iturin A using aerated packed bed bioreactors in solid-state fermentation. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 1569-1576.	3.4	16
14	Temperature, pH and carbon source affect drastically indole acetic acid production of plant growth promoting yeasts. <i>Brazilian Journal of Chemical Engineering</i> , 2017, 34, 429-438.	1.3	16
15	Production and characterization of alginate beads for growth of immobilized <i>Desmodesmus subspicatus</i> and its potential to remove potassium, carbon and nitrogen from sugarcane vinasse. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 22, 101438.	3.1	16
16	INFLUENCE OF SOLID MOISTURE AND BED HEIGHT ON CULTIVATION OF <i>Aspergillus niger</i> FROM SUGARCANE BAGASSE WITH VINASSE. <i>Brazilian Journal of Chemical Engineering</i> , 2015, 32, 377-384.	1.3	14
17	Cultivation of yeast in diffusion-based microfluidic device. <i>Biochemical Engineering Journal</i> , 2016, 105, 288-295.	3.6	14
18	Eficiência de estação de tratamento de esgoto doméstico visando reuso agrícola. <i>Revista Ambiente &amp; Água</i> , 2015, 10, .	0.3	13

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19	Catechol biodegradation kinetics using <i>Candida parapsilopsis</i> . Brazilian Archives of Biology and Technology, 2010, 53, 481-486.	0.5	12
20	Phycocyanin Production by <i>Aphanothece microscopica</i> N�geli in Synthetic Medium Supplemented with Sugarcane Vinasse. Applied Biochemistry and Biotechnology, 2019, 187, 129-139.	2.9	11
21	Treatment of rice parboiling wastewater by cyanobacterium <i>Aphanothece microscopica</i> N�geli with potential for biomass products. Desalination and Water Treatment, 2015, 56, 608-614.	1.0	10
22	Potencial de efluente de esgoto dom�stico tratado como fonte de �gua e nutrientes no cultivo hidrop�nico de alface. Revista Ambiente & �gua, 2015, 10, .	0.3	8
23	Effect of light, CO2 and nitrate concentration on <i>Chlorella vulgaris</i> growth and composition in a flat-plate photobioreactor. Brazilian Journal of Chemical Engineering, 2021, 38, 251-263.	1.3	8
24	Oxygen Transfer in Solid-State Cultivation Under Controlled Moisture Conditions. Applied Biochemistry and Biotechnology, 2014, 174, 708-718.	2.9	7
25	Ethanol production from <i>Dekkera bruxellensis</i> in synthetic media with pentose. Brazilian Journal of Chemical Engineering, 2018, 35, 11-17.	1.3	7
26	The Role of Lignocellulosic Composition and Residual Lipids in Empty Fruit Bunches on the Production of Humic Acids in Submerged Fermentations. Applied Biochemistry and Biotechnology, 2019, 187, 957-964.	2.9	7
27	Production of humic acids by solid-state fermentation of <i>Trichoderma reesei</i> in raw oil palm empty fruit bunch fibers. 3 Biotech, 2019, 9, 393.	2.2	7
28	OXYGEN TRANSFER IN THE SOLID-STATE CULTIVATION OF <i>D. monoceras</i> ON POLYURETHANE FOAM AS AN INERT SUPPORT. Brazilian Journal of Chemical Engineering, 2016, 33, 793-799.	1.3	5
29	Yeast for Pentose Fermentation: Isolation, Screening, Performance, Manipulation, and Prospects. , 2017, , 133-157.		5
30	Sequential process of solid-state cultivation with fungal consortium and ethanol fermentation by <i>Saccharomyces cerevisiae</i> from sugarcane bagasse. Bioprocess and Biosystems Engineering, 2021, 44, 1-8.	3.4	5
31	Characterization of lignocellulosic composition and residual lipids in empty fruit bunches from palm oil processing. Grasas Y Aceites, 2019, 70, 314.	0.9	5
32	Physical-chemical effects of irrigation with treated wastewater on Dusky Red Latosol soil. Revista Ambiente & �gua, 2015, 10, .	0.3	4
33	&lt;i>Sequential process of citric acid production in sugarcane bagasse by microbial consortium and ethanol fermentation from fungal extract&lt;/i>. , 2017, , .		4
34	Growth of <i>Desmodesmus subspicatus</i> green microalgae and nutrient removal from sugarcane vinasse clarified by electrocoagulation using aluminum or iron electrodes. DYNA (Colombia), 2019, 86, 225-232.	0.4	4
35	The Solid-State Cultivation of <i>Streptococcus zoepidemicus</i> in Polyurethane Foam as a Strategy for the Production of Hyaluronic Acid. Applied Biochemistry and Biotechnology, 2013, 170, 1491-1502.	2.9	3
36	Sonda de tdr para a estimativa de umidade em baga�so de Cana-de-a�car. Engenharia Agr�cola, 2016, 36, 24-35.	0.7	3

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37	Lipid productivity in the fed-batch growth of <i>Desmodesmus</i> green microalgae from sugarcane vinasse. , 2017, , .		1
38	Influence of C/N ratio in growth of cyanobacteria <i>Geitlerinema</i> sp. from sugarcane vinasse. , 2017, , .		1
39	COD and nutrient removal from urban effluent by <i>desmodesmus subspicatus</i> . <i>Semina: CiÃncias Exatas E TecnolÃgicas</i> , 2019, 40, 87.	0.1	1
40	Solid-State Cultivation of <i>Aspergillus niger</i> â€Trichoderma reesei from Sugarcane Bagasse with Vinasse in Bench Packed-Bed Column Bioreactor. <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 2983-2992.	2.9	1
41	Influence of wastewater on the Physical-chemicals Properties of Soil. , 2012, , .		0
42	Use of treated wastewater for lettuce cultivation. , 2013, , .		0
43	&lt;i>&gt;Development and characterization of pectin/vinasse films for agriculture applications&lt;/i>. , 2017, , .		0
44	Adaptation of domestic effluent for agricultural reuse by biological, physical treatment and disinfection by ultraviolet radiation. <i>Revista Ambiente &amp; Ãgua</i> , 2019, 14, 1.	0.3	0
45	Heterotrophic growth of <i>Aphanothece microscopica</i> NÃgeli in calcium alginate beads from BG11 medium and vinasse. <i>Semina: CiÃncias Exatas E TecnolÃgicas</i> , 2019, 40, 155.	0.1	0