Tatiana Q. Aguiar

List of Publications by Year
in descending order

23	399	758635 12	752256 20
papers	citations	h-index	g-index

24	24	24	354
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Contribution of PRS3, RPB4 and ZWF1 to the resistance of industrial Saccharomyces cerevisiae CCUG53310 and PE-2 strains to lignocellulosic hydrolysate-derived inhibitors. Bioresource Technology, 2015, 191, 7-16.	4.8	50
2	Ashbya gossypii beyond industrial riboflavin production: A historical perspective and emerging biotechnological applications. Biotechnology Advances, 2015, 33, 1774-1786.	6.0	46
3	Tag-mediated single-step purification and immobilization of recombinant proteins toward protein-engineered advanced materials. Journal of Advanced Research, 2022, 36, 249-264.	4.4	36
4	Random and direct mutagenesis to enhance protein secretion inAshbya gossypii. Bioengineered, 2013, 4, 322-331.	1.4	31
5	Microbial Biosynthesis of Lactones: Gaps and Opportunities towards Sustainable Production. Applied Sciences (Switzerland), 2021, 11, 8500.	1.3	27
6	Cre-loxP-based system for removal and reuse of selection markers in Ashbya gossypii targeted engineering. Fungal Genetics and Biology, 2014, 68, 1-8.	0.9	23
7	Microbial lipids from industrial wastes using xylose-utilizing Ashbya gossypii strains. Bioresource Technology, 2019, 293, 122054.	4.8	20
8	Blockage of the pyrimidine biosynthetic pathway affects riboflavin production in Ashbya gossypii. Journal of Biotechnology, 2015, 193, 37-40.	1.9	18
9	Highâ€level expression of Aspergillus niger Î²â€galactosidase in Ashbya gossypii. Biotechnology Progress, 2014, 30, 261-268.	1.3	17
10	New biotechnological applications forAshbya gossypii: Challenges and perspectives. Bioengineered, 2017, 8, 309-315.	1.4	17
11	Metabolic engineering of Ashbya gossypii for deciphering the de novo biosynthesis of Î³-lactones. Microbial Cell Factories, 2019, 18, 62.	1.9	17
12	Molecular and Functional Characterization of an Invertase Secreted by Ashbya gossypii. Molecular Biotechnology, 2014, 56, 524-534.	1.3	15
13	Genome-wide metabolic re-annotation of Ashbya gossypii: new insights into its metabolism through a comparative analysis with Saccharomyces cerevisiae and Kluyveromyces lactis. BMC Genomics, 2014, 15, 810.	1.2	13
14	Physiological characterization of a pyrimidine auxotroph exposes link between uracil phosphoribosyltransferase regulation and riboflavin production in Ashbya gossypii. New Biotechnology, 2019, 50, 1-8.	2.4	13
15	Characterization of the Ashbya gossypii secreted N-glycome and genomic insights into its N-glycosylation pathway. Carbohydrate Research, 2013, 381, 19-27.	1.1	12
16	Modification of paper properties using carbohydrate-binding module 3 from the Clostridium thermocellum CipA scaffolding protein produced in Pichia pastoris: elucidation of the glycosylation effect. Cellulose, 2015, 22, 2755-2765.	2.4	12
17	Investigation of protein secretion and secretion stress in Ashbya gossypii. BMC Genomics, 2014, 15, 1137.	1.2	9
18	Bare silica as an alternative matrix for affinity purification/immobilization of His-tagged proteins. Separation and Purification Technology, 2022, 286, 120448.	3.9	8

#	Article	IF	Citations
19	Light exposure during growth increases riboflavin production, ROS accumulation and DNA damage in Ashbya gossypii riboflavin-overproducing strains. FEMS Yeast Research, 2019, 19, .	1.1	5
20	Principles of Genetic Engineering. , 2017, , 81-127.		3
21	Production and Bioengineering of Recombinant Pharmaceuticals. , 2019, , 259-293.		3
22	Synthesis of Fusion Genes for Cloning by Megaprimer-Based PCR. Methods in Molecular Biology, 2017, 1620, 101-112.	0.4	3
23	Orotic acid production from crude glycerol by engineered Ashbya gossypii. Bioresource Technology Reports, 2022, 17, 100992.	1.5	1