Rodrigo Volcan Almeida

List of Publications by Year in Descending Order

37 papers	711 citations	16 h-index	26 g-index
43 ext. papers	834 ext. citations	3.8 avg, IF	3.85 L-index

#	Paper	IF	Citations
37	Benchmarking recombinant Pichia pastoris for 3-hydroxypropionic acid production from glycerol. *Microbial Biotechnology*, **2021**, 14, 1671-1682	6.3	1
36	Identification and recombinant expression of an antimicrobial peptide (cecropin B-like) from soybean pest. *Journal of Venomous Animals and Toxins Including Tropical Diseases*, **2021**, 27, e20200127	2.2	
35	Photochemistry of covalently bonded graphene oxide Perylene diimide system for bacterial growth inhibition started by singlet oxygen. *Journal of Photochemistry and Photobiology A: Chemistry*, **2021**, 407, 113058	4.7	3
34	Application of Rhizomucor miehei lipase-displaying Pichia pastoris whole cell for biodiesel production using agro-industrial residuals as substrate. *International Journal of Biological Macromolecules*, **2021**, 189, 734-743	7.9	4
33	Construction of wild-type Yarrowia lipolytica IMUFRJ 50682 auxotrophic mutants using dual CRISPR/Cas9 strategy for novel biotechnological approaches. *Enzyme and Microbial Technology*, **2020**, 140, 109621	3.8	1
32	Environmentally friendly rhamnolipid production for petroleum remediation. *Chemosphere*, **2020**, 252, 126349	8.4	9
31	Increase of Candida antarctica lipase B production under PGK promoter in Pichia pastoris: effect of multicopies. *Brazilian Journal of Microbiology*, **2019**, 50, 405-413	2.2	3
30	Expression, purification, and characterization of asparaginase II from Saccharomyces cerevisiae in Escherichia coli. *Protein Expression and Purification*, **2019**, 159, 21-26	2	4
29	RNAi-based bioinsecticide for Aedes mosquito control. *Scientific Reports*, **2019**, 9, 4038	4.9	26
28	Structural differences of commercial and recombinant lipase B from Candida antarctica: An important implication on enzymes thermostability. *International Journal of Biological Macromolecules*, **2019**, 140, 761-770	7.9	13
27	Photoactive cotton fabric: Synthesis, characterization and antibacterial evaluation of anthraquinone-based dyes linked to cellulose. *Dyes and Pigments*, **2019**, 161, 16-23	4.6	12
26	Structural Mechanism for the Temperature-Dependent Activation of the Hyperthermophilic Pf2001 Esterase. *Structure*, **2018**, 26, 199-208.e3	5.2	8
25	Production of recombinant lipase B from Candida antarctica in Pichia pastoris under control of the promoter PGK using crude glycerol from biodiesel production as carbon source. *Biochemical Engineering Journal*, **2017**, 118, 123-131	4.2	23
24	Heterologous expression of the antimyotoxic protein DM64 in Pichia pastoris. *PLoS Neglected Tropical Diseases*, **2017**, 11, e0005829	4.8	9
23	Enhanced rhamnolipid production by Pseudomonas aeruginosa overexpressing estA in a simple medium. *PLoS ONE*, **2017**, 12, e0183857	3.7	21
22	Extremophilic Lipases **2017**, 249-270		0
21	Enzyme technology in Brazil: trade balance and research community. *Brazilian Journal of Science and Technology*, **2016**, 3,		4

20	Rhamnolipids in perspective: gene regulatory pathways, metabolic engineering, production and technological forecasting. *New Biotechnology*, **2016**, 33, 123-35	6.4	90
19	Recombinant L-Asparaginase from Zymomonas mobilis: A Potential New Antileukemic Agent Produced in Escherichia coli. *PLoS ONE*, **2016**, 11, e0156692	3.7	17
18	On the debate about teleology in biology: the notion of "teleological obstacle". *Historia, Ciencias, Saude - Manguinhos*, **2015**, 22, 1321-33	0.2	3
17	Are Lipases Still Important Biocatalysts? A Study of Scientific Publications and Patents for Technological Forecasting. *PLoS ONE*, **2015**, 10, e0131624	3.7	61
16	Displaying Lipase B from Candida antarctica in Pichia pastoris Using the Yeast Surface Display Approach: Prospection of a New Anchor and Characterization of the Whole Cell Biocatalyst. *PLoS ONE*, **2015**, 10, e0141454	3.7	27
15	Improving the thermostability and optimal temperature of a lipase from the hyperthermophilic archaeon Pyrococcus furiosus by covalent immobilization. *BioMed Research International*, **2015**, 2015, 250532	3	16
14	Preparation of core□shell polymer supports to immobilize lipase B from Candida antarctica. *Journal of Molecular Catalysis B: Enzymatic*, **2014**, 100, 59-67		62
13	From structure to catalysis: recent developments in the biotechnological applications of lipases. *BioMed Research International*, **2014**, 2014, 684506	3	76
12	Experimental design of the kinetic resolution of a key precursor of high-value bioactive myo-inositols by an immobilized lipase. *Journal of Chemical Technology and Biotechnology*, **2013**, 88, 205-211	2.5	7
11	Studying the expression of a lipase from Pyrococcus furiosus using response surfaces. *Protein Expression and Purification*, **2013**, 88, 26-32	2	6
10	Cloning and expression of protease ClpP from Streptococcus pneumoniae in Escherichia coli: study of the influence of kanamycin and IPTG concentration on cell growth, recombinant protein production and plasmid stability. *Vaccine*, **2011**, 29, 7136-43	4.1	31
9	Kinetic resolution of (□)-1,2-O-isopropylidene-3,6-di-O-benzyl-myo-inositol by lipases: An experimental and theoretical study on the reaction of a key precursor of chiral inositols. *Journal of Molecular Catalysis B: Enzymatic*, **2011**, 70, 32-40		13
8	Characterization of the Recombinant Thermostable Lipase (Pf2001) from Pyrococcus furiosus: Effects of Thioredoxin Fusion Tag and Triton X-100. *Enzyme Research*, **2011**, 2011, 316939	2.4	22
7	Immobilization and Characterization of a Recombinant Thermostable Lipase (Pf2001) from Pyrococcus furiosus on Supports with Different Degrees of Hydrophobicity. *Enzyme Research*, **2010**, 2010, 180418	2.4	16
6	Efficient kinetic resolution of (□)-1,2-O-isopropylidene-3,6-di-O-benzyl-myo-inositol with the lipase B of Candida antarctica. *Tetrahedron: Asymmetry*, **2010**, 21, 2899-2903		16
5	Separation and immobilization of lipase from Penicillium simplicissimum by selective adsorption on hydrophobic supports. *Applied Biochemistry and Biotechnology*, **2009**, 156, 133-45	3.2	24
4	Immobilization of a recombinant thermostable esterase (Pf2001) from Pyrococcus furiosus on microporous polypropylene: Isotherms, hyperactivation and purification. *Biochemical Engineering Journal*, **2008**, 39, 531-537	4.2	28
3	Exploring the biotechnologial applications in the archaeal domain. *Brazilian Journal of Microbiology*, **2007**, 38, 398-405	2.2	19

2	Cloning, expression, partial characterization and structural modeling of a novel esterase from Pyrococcus furiosus. *Enzyme and Microbial Technology*, **2006**, 39, 1128-1136	3.8	28
1	Expression and homology modeling of 2-aminobiphenyl-2,3-diol-1,2-dioxygenase from Pseudomonas stutzeri carbazole degradation pathway. *Cell Biochemistry and Biophysics*, **2006**, 44, 530-8	3.2	4