

Ronny Martinez

List of Publications by Year in descending order

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41
papers

1,588
citations

394421

19
h-index

302126

39
g-index

44
all docs

44
docs citations

44
times ranked

1916
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrating enzyme immobilization and protein engineering: An alternative path for the development of novel and improved industrial biocatalysts. <i>Biotechnology Advances</i> , 2018, 36, 1470-1480.	11.7	244
2	Reengineering CelA2 cellulase for hydrolysis in aqueous solutions of deep eutectic solvents and concentrated seawater. <i>Green Chemistry</i> , 2012, 14, 2719.	9.0	120
3	Expression of a family of noncoding mitochondrial RNAs distinguishes normal from cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9430-9434.	7.1	113
4	Inhibition of iron and copper uptake by iron, copper and zinc. <i>Biological Research</i> , 2006, 39, 95-102.	3.4	105
5	Advances in protease engineering for laundry detergents. <i>New Biotechnology</i> , 2015, 32, 629-634.	4.4	82
6	Expression of a novel non-coding mitochondrial RNA in human proliferating cells. <i>Nucleic Acids Research</i> , 2007, 35, 7336-7347.	14.5	79
7	Nuclear localization of the mitochondrial ncRNAs in normal and cancer cells. <i>Cellular Oncology (Dordrecht)</i> , 2011, 34, 297-305.	4.4	77
8	Increasing activity and thermal resistance of <i>Bacillus gibsonii</i> alkaline protease (BgAP) by directed evolution. <i>Biotechnology and Bioengineering</i> , 2013, 110, 711-720.	3.3	72
9	Enzyme-assisted extraction of proteins from the seaweeds <i>Macrocystis pyrifera</i> and <i>Chondracanthus chamissoi</i> : characterization of the extracts and their bioactive potential. <i>Journal of Applied Phycology</i> , 2019, 31, 1999-2010.	2.8	62
10	A roadmap to directed enzyme evolution and screening systems for biotechnological applications. <i>Biological Research</i> , 2013, 46, 395-405.	3.4	57
11	An efficient transformation method for <i>Bacillus subtilis</i> DB104. <i>Applied Microbiology and Biotechnology</i> , 2012, 94, 487-493.	3.6	53
12	A Flow Cytometry-Based Screening System for Directed Evolution of Proteases. <i>Journal of Biomolecular Screening</i> , 2011, 16, 285-294.	2.6	47
13	Ionic liquid and deep eutectic solvent-activated CelA2 variants generated by directed evolution. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 5775-5785.	3.6	47
14	In vitro flow cytometry-based screening platform for cellulase engineering. <i>Scientific Reports</i> , 2016, 6, 26128.	3.3	47
15	A Fluorescent Hydrogel-Based Flow Cytometry High-Throughput Screening Platform for Hydrolytic Enzymes. <i>Chemistry and Biology</i> , 2014, 21, 1733-1742.	6.0	45
16	KnowVolution of a Fungal Laccase toward Alkaline pH. <i>ChemBioChem</i> , 2019, 20, 1458-1466.	2.6	40
17	Surface charge engineering of a <i>Bacillus gibsonii</i> subtilisin protease. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 6793-6802.	3.6	39
18	Temperature effects on structure and dynamics of the psychrophilic protease subtilisin S41 and its thermostable mutants in solution. <i>Protein Engineering, Design and Selection</i> , 2011, 24, 533-544.	2.1	25

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19	Development of alginate-pectin microcapsules by the extrusion for encapsulation and controlled release of polyphenols from papaya (<i>Carica papaya</i> L.). <i>Journal of Food Biochemistry</i> , 2020, 44, e13331.	2.9	21
20	P-Link: A method for generating multicomponent cytochrome P450 fusions with variable linker length. <i>BioTechniques</i> , 2014, 57, 13-20.	1.8	20
21	Immobilized Biocatalyst Engineering: High throughput enzyme immobilization for the integration of biocatalyst improvement strategies. <i>International Journal of Biological Macromolecules</i> , 2021, 170, 61-70.	7.5	20
22	Directed evolution of P450cin for mediated electron transfer. <i>Protein Engineering, Design and Selection</i> , 2017, 30, 119-127.	2.1	19
23	A flow cytometer-based whole cell screening toolbox for directed hydrolase evolution through fluorescent hydrogels. <i>Chemical Communications</i> , 2015, 51, 8679-8682.	4.1	18
24	A first continuous 4-aminoantipyrine (4-AAP)-based screening system for directed esterase evolution. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 5237-5246.	3.6	18
25	Insights on activity and stability of subtilisin E towards guanidinium chloride and sodium dodecylsulfate. <i>Journal of Biotechnology</i> , 2014, 169, 87-94.	3.8	12
26	A robust protocol for directed aryl sulfotransferase evolution toward the carbohydrate building block GlcNAc. <i>Biotechnology and Bioengineering</i> , 2018, 115, 1106-1115.	3.3	12
27	Fluorescent Assay for Directed Evolution of Perhydrolases. <i>Journal of Biomolecular Screening</i> , 2012, 17, 796-805.	2.6	11
28	Effect of the immobilization of pectinase on the molecular weight distribution of pectin oligosaccharides obtained from citrus pectin. <i>Biocatalysis and Agricultural Biotechnology</i> , 2022, 43, 102389.	3.1	10
29	Increasing protein production by directed vector backbone evolution. <i>AMB Express</i> , 2013, 3, 39.	3.0	9
30	Reengineering of subtilisin Carlsberg for oxidative resistance. <i>Biological Chemistry</i> , 2013, 394, 79-87.	2.5	8
31	Directed evolution of an acid <i>Yersinia mollaretii</i> phytase for broadened activity at neutral pH. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 9607-9620.	3.6	8
32	Selective immobilization of <i>Bacillus subtilis</i> lipase A from cell culture supernatant: Improving catalytic performance and thermal resistance. <i>Process Biochemistry</i> , 2020, 92, 214-223.	3.7	7
33	Effect of process parameters and surfactant additives on the obtained activity of recombinant tryptophan hydroxylase (TPH1) for enzymatic synthesis of 5-hydroxytryptophan (5-HTP). <i>Enzyme and Microbial Technology</i> , 2022, 154, 109975.	3.2	7
34	Redirecting catalysis from proteolysis to perhydrolysis in subtilisin Carlsberg. <i>Journal of Biotechnology</i> , 2013, 167, 279-286.	3.8	6
35	Deletion and Randomization of Structurally Variable Regions in <i>B. subtilis</i> Lipase A (BSLA) Alter Its Stability and Hydrolytic Performance Against Long Chain Fatty Acid Esters. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1990.	4.1	6
36	Reporter Immobilization Assay (REIA) for Bioconjugating Reactions. <i>Bioconjugate Chemistry</i> , 2016, 27, 1484-1492.	3.6	5

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37	Combinatorial InVitroFlow-assisted mutagenesis (CombIMut) yields a 41-fold improved CelA2 cellulase. <i>Biotechnology and Bioengineering</i> , 2022, , .	3.3	5
38	Insights on intermolecular FMN-heme domain interaction and the role of linker length in cytochrome P450cin fusion proteins. <i>Biological Chemistry</i> , 2020, 401, 1249-1255.	2.5	3
39	Improvement of enzymatic performance of <i>Asclepias curassavica</i> L. proteases by immobilization. Application to the synthesis of an antihypertensive peptide. <i>Process Biochemistry</i> , 2020, 95, 36-46.	3.7	2
40	Protease-assisted process for tryptophan release from pumpkin (<i>Cucurbita maxima</i>) seed protein extracts. <i>Journal of Food Processing and Preservation</i> , 2022, 46, .	2.0	2
41	Development of a flow cytometer-based in vitro compartmentalization screening platform for directed protein evolution. <i>New Biotechnology</i> , 2014, 31, S149.	4.4	0