

Edwin Alexander Rodriguez-Lopez

List of Publications by Year in descending order

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35
papers

598
citations

567281

15
h-index

610901

24
g-index

39
all docs

39
docs citations

39
times ranked

799
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of toxicity and degradation of a chlorophenol mixture by the laccase produced by <i>Trametes pubescens</i> . <i>Bioresource Technology</i> , 2011, 102, 3632-3635.	9.6	72
2	Impact of enzyme replacement therapy and hematopoietic stem cell transplantation in patients with Morquio A syndrome. <i>Drug Design, Development and Therapy</i> , 2015, 9, 1937.	4.3	62
3	Production of <i>Trametes pubescens</i> Laccase under Submerged and Semi-Solid Culture Conditions on Agro-Industrial Wastes. <i>PLoS ONE</i> , 2013, 8, e73721.	2.5	51
4	Computational analysis of the fructosyltransferase enzymes in plants, fungi and bacteria. <i>Gene</i> , 2011, 484, 26-34.	2.2	36
5	Neural stem cells for disease modeling and evaluation of therapeutics for Tay-Sachs disease. <i>Orphanet Journal of Rare Diseases</i> , 2018, 13, 152.	2.7	34
6	Identification of Ezetimibe and Pranlukast as Pharmacological Chaperones for the Treatment of the Rare Disease Mucopolysaccharidosis Type IVA. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 6175-6189.	6.4	26
7	Recombinant human N-acetylgalactosamine-6-sulfate sulfatase (GALNS) produced in the methylotrophic yeast <i>Pichia pastoris</i> . <i>Scientific Reports</i> , 2016, 6, 29329.	3.3	25
8	Systems biology study of mucopolysaccharidosis using a human metabolic reconstruction network. <i>Molecular Genetics and Metabolism</i> , 2016, 117, 129-139.	1.1	25
9	Enzyme replacement therapy for Morquio A: an active recombinant N-acetylgalactosamine-6-sulfate sulfatase produced in <i>Escherichia coli</i> BL21. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2010, 37, 1193-1201.	3.0	24
10	Computational analysis of human N-acetylgalactosamine-6-sulfate sulfatase enzyme: an update in genotype-phenotype correlation for Morquio A. <i>Molecular Biology Reports</i> , 2014, 41, 7073-7088.	2.3	23
11	Advances in the Development of Pharmacological Chaperones for the Mucopolysaccharidoses. <i>International Journal of Molecular Sciences</i> , 2020, 21, 232.	4.1	22
12	Characterization of a recombinant N-acetylgalactosamine-6-sulfate sulfatase produced in <i>E. coli</i> for enzyme replacement therapy of Morquio A disease. <i>Process Biochemistry</i> , 2012, 47, 2097-2102.	3.7	19
13	Improvement in the production of the human recombinant enzyme N-acetylgalactosamine-6-sulfatase (rhGALNS) in <i>Escherichia coli</i> using synthetic biology approaches. <i>Scientific Reports</i> , 2017, 7, 5844.	3.3	17
14	Production of human recombinant phenylalanine hydroxylase in <i>Lactobacillus plantarum</i> for gastrointestinal delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 109, 48-55.	4.0	16
15	Production and characterization of a human lysosomal recombinant iduronate-2-sulfatase produced in <i>Pichia pastoris</i> . <i>Biotechnology and Applied Biochemistry</i> , 2018, 65, 655-664.	3.1	15
16	Characterization of recombinant human lysosomal beta-hexosaminidases produced in the methylotrophic yeast <i>Pichia pastoris</i> . <i>Universitas Scientiarum</i> , 2016, 21, 195.	0.4	13
17	Bromocriptine as a Novel Pharmacological Chaperone for Mucopolysaccharidosis IV A. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 1377-1385.	2.8	13
18	Characterization of a New Bacteriocin from <i>Lactobacillus plantarum</i> LE5 and LE27 Isolated from Ensiled Corn. <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 3374-3389.	2.9	12

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19	Development of a sandwich enzyme linked immunosorbent assay (ELISA) for the quantification of iduronate-2-sulfate sulfatase. <i>Journal of Immunological Methods</i> , 2011, 368, 64-70.	1.4	11
20	Effect of Culture Conditions and Signal Peptide on Production of Human Recombinant N-Acetylgalactosamine-6-Sulfate Sulfatase in <i>Escherichia coli</i> BL21. <i>Journal of Microbiology and Biotechnology</i> , 2013, 23, 689-698.	2.1	10
21	Research, diagnosis and education in inborn errors of metabolism in Colombia: 20 years' experience from a reference center. <i>Orphanet Journal of Rare Diseases</i> , 2018, 13, 141.	2.7	9
22	In Silico Analysis of the Structure of Fungal Fructooligosaccharides-Synthesizing Enzymes. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2018, 10, 53-67.	3.6	8
23	Identification of the iduronate-2-sulfatase proteome in wild-type mouse brain. <i>Heliyon</i> , 2019, 5, e01667.	3.2	8
24	Characterization of Human Recombinant N-Acetylgalactosamine-6-Sulfate Sulfatase Produced in <i>Pichia pastoris</i> as Potential Enzyme for Mucopolysaccharidosis IVA Treatment. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 2534-2541.	3.3	8
25	Human recombinant lysosomal α -Hexosaminidases produced in <i>Pichia pastoris</i> efficiently reduced lipid accumulation in Tay-Sachs fibroblasts. <i>American Journal of Medical Genetics, Part C: Seminars in Medical Genetics</i> , 2020, 184, 885-895.	1.6	7
26	¹ H-Nuclear Magnetic Resonance Analysis of Urine as Diagnostic Tool for Organic Acidemias and Aminoacidopathies. <i>Metabolites</i> , 2021, 11, 891.	2.9	6
27	Use of a neuron-glia genome-scale metabolic reconstruction to model the metabolic consequences of the Arylsulfatase a deficiency through a systems biology approach. <i>Heliyon</i> , 2021, 7, e07671.	3.2	5
28	In-silico Analysis of the Active Cavity of N-Acetylgalactosamine-6-Sulfate Sulfatase in Eight Species. <i>Advances in Intelligent Systems and Computing</i> , 2014, , 141-146.	0.6	4
29	Anaerobic sulfatase maturase AslB from <i>Escherichia coli</i> activates human recombinant iduronate-2-sulfate sulfatase (IDS) and N-acetylgalactosamine-6-sulfate sulfatase (GALNS). <i>Gene</i> , 2017, 634, 53-61.	2.2	3
30	Understanding the Metabolic Consequences of Human Arylsulfatase A Deficiency through a Computational Systems Biology Study. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2016, , .	1.1	2
31	Effect of two preservation methods on the viability and enzyme production of a recombinant <i>Komagataella phaffii</i> (<i>Pichia pastoris</i>) strain. <i>Cryobiology</i> , 2022, 105, 32-40.	0.7	2
32	A set membership approach to oxygen transport modeling with unmodeled dynamics. , 2015, , .		1
33	Cell uptake evaluation of human recombinant N-acetylgalactosamine-6-sulfate sulfatase (GALNS) produced in <i>Pichia pastoris</i> . <i>Molecular Genetics and Metabolism</i> , 2017, 120, S116.	1.1	1
34	Engineering a heterologously expressed fructosyltransferase from <i>Aspergillus oryzae</i> N74 in <i>Komagataella phaffii</i> (<i>Pichia pastoris</i>) for kestose production. <i>New Biotechnology</i> , 2022, 69, 18-27.	4.4	1
35	Chondrocytes and cardiomyocytes derived from Morquio syndrome type A induced pluripotent stem cells (iPCS). <i>Molecular Genetics and Metabolism</i> , 2019, 126, S22.	1.1	0