Edwin Alexander Rodriguez-Lopez

List of Publications by Year
in descending order

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	Effect of two preservation methods on the viability and enzyme production of a recombinant Komagataella phaffii (Pichia pastoris) strain. Cryobiology, 2022, 105, 32-40.	0.7	2
2	Engineering a heterologously expressed fructosyltransferase from Aspergillus oryzae N74 in Komagataella phaffii (Pichia pastoris) for kestose production. New Biotechnology, 2022, 69, 18-27.	4.4	1
3	Use of a neuron-glia genome-scale metabolic reconstruction to model the metabolic consequences of the Arylsulphatase a deficiency through a systems biology approach. Heliyon, 2021, 7, e07671.	3.2	5
4	1H-Nuclear Magnetic Resonance Analysis of Urine as Diagnostic Tool for Organic Acidemias and Aminoacidopathies. Metabolites, 2021, 11, 891.	2.9	6
5	Advances in the Development of Pharmacological Chaperones for the Mucopolysaccharidoses. International Journal of Molecular Sciences, 2020, 21, 232.	4.1	22
6	Human recombinant lysosomal <scp>Î²â€Hexosaminidases</scp> produced in <scp>Pichia pastoris</scp> efficiently reduced lipid accumulation in <scp>Tayâ€Sachs</scp> fibroblasts. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2020, 184, 885-895.	1.6	7
7	Bromocriptine as a Novel Pharmacological Chaperone for Mucopolysaccharidosis IV A. ACS Medicinal Chemistry Letters, 2020, 11, 1377-1385.	2.8	13
8	Identification of Ezetimibe and Pranlukast as Pharmacological Chaperones for the Treatment of the Rare Disease Mucopolysaccharidosis Type IVA. Journal of Medicinal Chemistry, 2019, 62, 6175-6189.	6.4	26
9	Identification of the iduronate-2-sulfatase proteome in wild-type mouse brain. Heliyon, 2019, 5, e01667.	3.2	8
10	Characterization of Human Recombinant N-Acetylgalactosamine-6-Sulfate Sulfatase Produced in Pichia pastoris as Potential Enzyme for Mucopolysaccharidosis IVA Treatment. Journal of Pharmaceutical Sciences, 2019, 108, 2534-2541.	3.3	8
11	Chondrocytes and cardiomyocytes derived from Morquio syndrome type A induced pluripotent stem cells (iPCS). Molecular Genetics and Metabolism, 2019, 126, S22.	1.1	0
12	In Silico Analysis of the Structure of Fungal Fructooligosaccharides-Synthesizing Enzymes. Interdisciplinary Sciences, Computational Life Sciences, 2018, 10, 53-67.	3.6	8
13	Production and characterization of a human lysosomal recombinant iduronateâ€2â€sulfatase produced in Pichia pastoris. Biotechnology and Applied Biochemistry, 2018, 65, 655-664.	3.1	15
14	Neural stem cells for disease modeling and evaluation of therapeutics for Tay-Sachs disease. Orphanet Journal of Rare Diseases, 2018, 13, 152.	2.7	34
15	Research, diagnosis and education in inborn errors of metabolism in Colombia: 20Âyearsâ€™ experience from a reference center. Orphanet Journal of Rare Diseases, 2018, 13, 141.	2.7	9
16	Cell uptake evaluation of human recombinant N-acetylgalactosamine-6-sulfate sulfatase (GALNS) produced in Pichia pastoris. Molecular Genetics and Metabolism, 2017, 120, S116.	1.1	1
17	Anaerobic sulfatase maturase AslB from Escherichia coli activates human recombinant iduronate-2-sulfate sulfatase (IDS) and N -acetylgalactosamine-6-sulfate sulfatase (GALNS). Gene, 2017, 634, 53-61.	2.2	3
18	Improvement in the production of the human recombinant enzyme N-acetylgalactosamine-6-sulfatase (rhGALNS) in Escherichia coli using synthetic biology approaches. Scientific Reports, 2017, 7, 5844.	3.3	17

#	Article	IF	Citations
19	Production of human recombinant phenylalanine hydroxylase in Lactobacillus plantarum for gastrointestinal delivery. European Journal of Pharmaceutical Sciences, 2017, 109, 48-55.	4.0	16
20	Characterization of recombinant human lysosomal beta-hexosaminidases produced in the methylotrophic yeast Pichia pastoris. Universitas Scientiarum, 2016, 21, 195.	0.4	13
21	Recombinant human N-acetylgalactosamine-6-sulfate sulfatase (GALNS) produced in the methylotrophic yeast Pichia pastoris. Scientific Reports, 2016, 6, 29329.	3.3	25
22	Systems biology study of mucopolysaccharidosis using a human metabolic reconstruction network. Molecular Genetics and Metabolism, 2016, 117, 129-139.	1.1	25
23	Understanding the Metabolic Consequences of Human Arylsulfatase A Deficiency through a Computational Systems Biology Study. Central Nervous System Agents in Medicinal Chemistry, 2016, , .	1.1	2
24	Impact of enzyme replacement therapy and hematopoietic stem cell transplantation in patients with Morquio A syndrome. Drug Design, Development and Therapy, 2015, 9, 1937.	4.3	62
25	A set membership approach to oxygen transport modeling with unmodeled dynamics. , 2015, , .		1
26	Characterization of a New Bacteriocin from Lactobacillus plantarum LE5 and LE27 Isolated from Ensiled Corn. Applied Biochemistry and Biotechnology, 2014, 172, 3374-3389.	2.9	12
27	Computational analysis of human N-acetylgalactosamine-6-sulfate sulfatase enzyme: an update in genotypeâ€“phenotype correlation for Morquio A. Molecular Biology Reports, 2014, 41, 7073-7088.	2.3	23
28	In-silico Analysis of the Active Cavity of N-Acetylgalactosamine-6-Sulfate Sulfatase in Eight Species. Advances in Intelligent Systems and Computing, 2014, , 141-146.	0.6	4
29	Production of Trametes pubescens Laccase under Submerged and Semi-Solid Culture Conditions on Agro-Industrial Wastes. PLoS ONE, 2013, 8, e73721.	2.5	51
30	Effect of Culture Conditions and Signal Peptide on Production of Human Recombinant N-Acetylgalactosamine-6-Sulfate Sulfatase in Escherichia coli BL21. Journal of Microbiology and Biotechnology, 2013, 23, 689-698.	2.1	10
31	Characterization of a recombinant N-acetylgalactosamine-6-sulfate sulfatase produced in E. coli for enzyme replacement therapy of Morquio A disease. Process Biochemistry, 2012, 47, 2097-2102.	3.7	19
32	Computational analysis of the fructosyltransferase enzymes in plants, fungi and bacteria. Gene, 2011, 484, 26-34.	2.2	36
33	Development of a sandwich enzyme linked immunosorbent assay (ELISA) for the quantification of iduronate-2-sulfate sulfatase. Journal of Immunological Methods, 2011, 368, 64-70.	1.4	11
34	Evaluation of toxicity and degradation of a chlorophenol mixture by the laccase produced by Trametes pubescens. Bioresource Technology, 2011, 102, 3632-3635.	9.6	72
35	Enzyme replacement therapy for MorquioÂA: an active recombinant N-acetylgalactosamine-6-sulfate sulfatase produced in Escherichia coli BL21. Journal of Industrial Microbiology and Biotechnology, 2010, 37, 1193-1201.	3.0	24