Hugo M Botelho

List of Publications by Year
in descending order

29	795	516710 16	501196 28
papers	citations	h-index	g-index

29	29	29	1318
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metal ions as modulators of protein conformation and misfolding in neurodegeneration. Coordination Chemistry Reviews, 2012, 256, 2253-2270.	18.8	147
2	Natural and amyloid selfâ€assembly of S100 proteins: structural basis of functional diversity. FEBS Journal, 2010, 277, 4578-4590.	4.7	115
3	Correction of a Cystic Fibrosis Splicing Mutation by Antisense Oligonucleotides. Human Mutation, 2016, 37, 209-215.	2.5	66
4	Protein Traffic Disorders: an Effective High-Throughput Fluorescence Microscopy Pipeline for Drug Discovery. Scientific Reports, 2015, 5, 9038.	3.3	55
5	The neuronal S100B protein is a calcium-tuned suppressor of amyloid-Î² aggregation. Science Advances, 2018, 4, eaaq1702.	10.3	49
6	S100A6 Amyloid Fibril Formation Is Calcium-modulated and Enhances Superoxide Dismutase-1 (SOD1) Aggregation. Journal of Biological Chemistry, 2012, 287, 42233-42242.	3.4	36
7	Transcriptome meta-analysis reveals common differential and global gene expression profiles in cystic fibrosis and other respiratory disorders and identifies CFTR regulators. Genomics, 2015, 106, 268-277.	2.9	32
8	The Sulfur Oxygenase Reductase from the Mesophilic Bacterium Halothiobacillus neapolitanus Is a Highly Active Thermozyme. Journal of Bacteriology, 2012, 194, 677-685.	2.2	30
9	Metal ions modulate the folding and stability of the tumor suppressor protein S100A2. FEBS Journal, 2009, 276, 1776-1786.	4.7	29
10	R560S: A class II CFTR mutation that is not rescued by current modulators. Journal of Cystic Fibrosis, 2019, 18, 182-189.	0.7	25
11	Analysis of S100 Oligomers and Amyloids. Methods in Molecular Biology, 2012, 849, 373-386.	0.9	23
12	Intrinsically Disordered and Aggregation Prone Regions Underlie Î²-Aggregation in S100 Proteins. PLoS ONE, 2013, 8, e76629.	2.5	22
13	Folding Status Is Determinant over Traffic-Competence in Defining CFTR Interactors in the Endoplasmic Reticulum. Cells, 2019, 8, 353.	4.1	21
14	BIOCHEMICAL AND BIOPHYSICAL CHARACTERIZATION OF RECOMBINANT YEAST PROTEASOME MATURATION FACTOR UMP1. Computational and Structural Biotechnology Journal, 2013, 7, e201304006.	4.1	20
15	A novel microscopy-based assay identifies extended synaptotagmin-1 (ESYT1) as a positive regulator of anoctamin 1 traffic. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 421-431.	4.1	19
16	CFTR processing, trafficking and interactions. Journal of Cystic Fibrosis, 2020, 19, S33-S36.	0.7	19
17	A Proteomic Approach toward the Selection of Proteins with Enhanced Intrinsic Conformational Stability. Journal of Proteome Research, 2006, 5, 2720-2726.	3.7	14
18	CFTR interactome mapping using the mammalian membrane twoâ€hybrid highâ€throughput screening system. Molecular Systems Biology, 2022, 18, e10629.	7.2	13

#	Article	IF	Citations
19	Full Rescue of F508del-CFTR Processing and Function by CFTR Modulators Can Be Achieved by Removal of Two Regulatory Regions. International Journal of Molecular Sciences, 2020, 21, 4524.	4.1	8
20	Role of a novel disulfide bridge within the all-beta fold of soluble Rieske proteins. Journal of Biological Inorganic Chemistry, 2010, 15, 271-281.	2.6	7
21	Investigating Alternative Transport of Integral Plasma Membrane Proteins from the ER to the Golgi: Lessons from the Cystic Fibrosis Transmembrane Conductance Regulator (CFTR). Methods in Molecular Biology, 2016, 1459, 105-126.	0.9	7
22	Unravelling the antitumoral potential of novel bis(thiosemicarbazonato) Zn(II) complexes: structural and cellular studies. Journal of Biological Inorganic Chemistry, 2019, 24, 71-89.	2.6	7
23	Organoids as a personalized medicine tool for ultra-rare mutations in cystic fibrosis: The case of S955P and 1717-2A>G. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165905.	3.8	7
24	An open-source high-content analysis workflow for CFTR function measurements using the forskolin-induced swelling assay. Bioinformatics, 2021, 36, 5686-5694.	4.1	6
25	Exploring YAP1-centered networks linking dysfunctional CFTR to epithelialâ€“mesenchymal transition. Life Science Alliance, 2022, 5, e202101326.	2.8	6
26	Structural Heterogeneity and Bioimaging of S100 Amyloid Assemblies. , 2014, , 197-212.		4
27	Searching for a Paradigm Shift in Auger-Electron Cancer Therapy with Tumor-Specific Radiopeptides Targeting the Mitochondria and/or the Cell Nucleus. International Journal of Molecular Sciences, 2022, 23, 7238.	4.1	4
28	Systems Approaches to Unravel Molecular Function: High-content siRNA Screen Identifies TMEM16A Traffic Regulators as Potential Drug Targets for Cystic Fibrosis. Journal of Molecular Biology, 2022, 434, 167436.	4.2	3
29	Structural reorganization renders enhanced metalloprotein stability. Chemical Communications, 2011, 47, 11149.	4.1	1