Isabel Moraes

List of Publications by Year
in descending order

37 papers	1,166 citations	516215 16 h-index	433756 31 g-index
39 all docs	39 docs citations	39 times ranked	2013 citing authors

#	Article	IF	Citations
1	Lipidic cubic phase serial millisecond crystallography using synchrotron radiation. IUCrJ, 2015, 2, 168-176.	1.0	196
2	Membrane protein structure determination â€" The next generation. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 78-87.	1.4	190
3	<i>In situ</i>macromolecular crystallography using microbeams. Acta Crystallographica Section D: Biological Crystallography, 2012, 68, 592-600.	2.5	113
4	Structure of a lipid A phosphoethanolamine transferase suggests how conformational changes govern substrate binding. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2218-2223.	3.3	113
5	High-throughput stability screening for detergent-solubilized membrane proteins. Scientific Reports, 2019, 9, 10379.	1.6	79
6	The Structure of Mammalian Serine Racemase. Journal of Biological Chemistry, 2010, 285, 12873-12881.	1.6	76
7	Toward G protein-coupled receptor structure-based drug design using X-ray lasers. IUCrJ, 2019, 6, 1106-1119.	1.0	53
8	The fine art of integral membrane protein crystallisation. Methods, 2018, 147, 150-162.	1.9	45
9	X-ray structure of a CDP-alcohol phosphatidyltransferase membrane enzyme and insights into its catalytic mechanism. Nature Communications, 2014, 5, 4169.	5.8	39
10	Human mitochondrial pyruvate carrier 2 as an autonomous membrane transporter. Scientific Reports, 2018, 8, 3510.	1.6	39
11	GPCR structure, function, drug discovery and crystallography: report from Academia-Industry International Conference (UK Royal Society) Chicheley Hall, 1â€"2 September 2014. Naunyn-Schmiedeberg's Archives of Pharmacology, 2015, 388, 883-903.	1.4	34
12	Structural biology and structureâ€"function relationships of membrane proteins. Biochemical Society Transactions, 2019, 47, 47-61.	1.6	24
13	Structures of the archaerhodopsin-3 transporter reveal that disordering of internal water networks underpins receptor sensitization. Nature Communications, 2021, 12, 629.	5.8	22
14	Green Fluorescent Protein-based Expression Screening of Membrane Proteins in Escherichia coli. Journal of Visualized Experiments, 2015, , e52357.	0.2	21
15	Selection of Biophysical Methods for Characterisation of Membrane Proteins. International Journal of Molecular Sciences, 2019, 20, 2605.	1.8	21
16	Amphipol-Trapped ExbBâ€"ExbD Membrane Protein Complex from Escherichia coli: A Biochemical and Structural Case Study. Journal of Membrane Biology, 2014, 247, 1005-1018.	1.0	18
17	Using high-throughput<i>in situ</i>plate screening to evaluate the effect of dehydration on protein crystals. Acta Crystallographica Section D: Biological Crystallography, 2013, 69, 920-923.	2.5	17
18	Molecular basis for <scp>GTP</scp> recognition by lightâ€activated guanylate cyclase Rh<scp>GC</scp>. FEBS Journal, 2020, 287, 2797-2807.	2.2	9

#	Article	IF	Citations
19	Membrane protein crystallography in the era of modern structural biology. Biochemical Society Transactions, 2020, 48, 2505-2524.	1.6	9
20	Methods for the Successful Crystallization of Membrane Proteins. Methods in Molecular Biology, 2015, 1261, 211-230.	0.4	8
21	Measuring Protein Aggregation and Stability Using High-Throughput Biophysical Approaches. Frontiers in Molecular Biosciences, 2022, 9, .	1.6	7
22	A Novel Approach to Data Collection for Difficult Structures: Data Management for Large Numbers of Crystals with the BLEND Software. Crystals, 2017, 7, 242.	1.0	6
23	Super-Resolution Fluorescence Microscopy Reveals Clustering Behaviour of Chlamydia pneumoniaeâ€™s Major Outer Membrane Protein. Biology, 2020, 9, 344.	1.3	5
24	Crystal Dehydration in Membrane Protein Crystallography. Advances in Experimental Medicine and Biology, 2016, 922, 73-89.	0.8	4
25	Insights on the Quest for the Structureâ€“Function Relationship of the Mitochondrial Pyruvate Carrier. Biology, 2020, 9, 407.	1.3	4
26	Probing Membrane Protein Assembly into Nanodiscs by In Situ Dynamic Light Scattering: A2A Receptor as a Case Study. Biology, 2020, 9, 400.	1.3	4
27	Structural Biology and Structureâ€“Function Relationships of Membrane Proteins. Biology, 2021, 10, 245.	1.3	2
28	Two states of a light-sensitive membrane protein captured at room temperature using thin-film sample mounts. Acta Crystallographica Section D: Structural Biology, 2022, 78, 52-58.	1.1	2
29	In Situ Measurements of Polypeptide Samples by Dynamic Light Scattering: Membrane Proteins, a Case Study. Methods in Molecular Biology, 2021, 2208, 189-202.	0.4	1
30	Challenges and opportunities in structure determination of membrane proteins. Acta Crystallographica Section A: Foundations and Advances, 2013, 69, s362-s362.	0.3	0
31	In situplate screening to evaluate the dehydration effect on protein crystals. Acta Crystallographica Section A: Foundations and Advances, 2013, 69, s39-s39.	0.3	0
32	Membrane proteins involved in bacterial phospholipid biosynthesis as drug targets?. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C397-C397.	0.0	0
33	Crystallisation for serial crystallography in lipidic cubic phase (LCP) made simple. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e658-e658.	0.0	0
34	Secrets to a successful collaboration. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e718-e718.	0.0	0
35	Structures of the archaerhodopsin-3 transporter reveal that disordering of internal water networks underpins receptor sensitization. Biophysical Journal, 2022, 121, 316a.	0.2	0
36	Structures of the archaerhodopsin-3 transporter reveal that disordering of internal water networks underpins receptor sensitization. Acta Crystallographica Section A: Foundations and Advances, 2021, 77, C478-C478.	0.0	0

#	Article	IF	Citations
37	High-throughput approach to prepare high-density microcrystals in lipidic cubic phase for serial crystallography and fragment screening. Acta Crystallographica Section A: Foundations and Advances, 2021, 77, C566-C566.	0.0	0