

Ismael Mingarro

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3310187/ismael-mingarro-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

90
papers

2,304
citations

29
h-index

44
g-index

98
ext. papers

2,608
ext. citations

5.2
avg, IF

4.71
L-index

#	Paper	IF	Citations
90	Cetylpyridinium chloride promotes disaggregation of SARS-CoV-2 virus-like particles.. <i>Journal of Oral Microbiology</i> , 2022 , 14, 2030094	6.3	1
89	Intra-helical salt bridge contribution to membrane protein insertion.. <i>Journal of Molecular Biology</i> , 2022 , 434, 167467	6.5	0
88	Folding and Insertion of Transmembrane Helices at the ER. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
87	Controllable membrane remodeling by a modified fragment of the apoptotic protein Bax. <i>Faraday Discussions</i> , 2021 ,	3.6	2
86	The importance of transmembrane domain interactions in the viral control of apoptosis. <i>Molecular and Cellular Oncology</i> , 2021 , 8, 1911290	1.2	
85	Role of pulmonary surfactant protein Sp-C dimerization on membrane fragmentation: An emergent mechanism involved in lung defense and homeostasis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021 , 1863, 183572	3.8	4
84	The SARS-CoV-2 envelope (E) protein has evolved towards membrane topology robustness. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021 , 1863, 183608	3.8	6
83	Conformational Clamping by a Membrane Ligand Activates the EphA2 Receptor. <i>Journal of Molecular Biology</i> , 2021 , 433, 167144	6.5	3
82	Methodological approaches for the analysis of transmembrane domain interactions: A systematic review. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021 , 1863, 183712	3.8	0
81	Insertion of Bacteriorhodopsin Helix C Variants into Biological Membranes. <i>ACS Omega</i> , 2020 , 5, 556-560	3.9	3
80	SARS-CoV-2 envelope protein topology in eukaryotic membranes. <i>Open Biology</i> , 2020 , 10, 200209	7	29
79	Mcl-1 and Bok transmembrane domains: Unexpected players in the modulation of apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 27980-27988	11.5	10
78	Viral Bcl2sW transmembrane domain interact with host Bcl2 proteins to control cellular apoptosis. <i>Nature Communications</i> , 2020 , 11, 6056	17.4	7
77	A Bimolecular Multicellular Complementation System for the Detection of Syncytium Formation: A New Methodology for the Identification of Nipah Virus Entry Inhibitors. <i>Viruses</i> , 2019 , 11,	6.2	4
76	Proteomic composition of Nipah virus-like particles. <i>Journal of Proteomics</i> , 2018 , 172, 190-200	3.9	12
75	Transmembrane but not soluble helices fold inside the ribosome tunnel. <i>Nature Communications</i> , 2018 , 9, 5246	17.4	18
74	Membrane insertion and topology of the translocon-associated protein (TRAP) gamma subunit. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017 , 1859, 903-909	3.8	13

73	Bax transmembrane domain interacts with prosurvival Bcl-2 proteins in biological membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 310-315	11.5	54
72	Characterization of the inner membrane protein BB0173 from <i>Borrelia burgdorferi</i> . <i>BMC Microbiology</i> , 2017 , 17, 219	4.5	1
71	Exploring the Human-Nipah Virus Protein-Protein Interactome. <i>Journal of Virology</i> , 2017 , 91,	6.6	28
70	N-Linked Glycosylation of the p24 Family Protein p24 β Modulates Retrograde Golgi-to-ER Transport of K/HDEL Ligands in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2017 , 10, 1095-1106	14.4	4
69	The role of hydrophobic matching on transmembrane helix packing in cells. <i>Cell Stress</i> , 2017 , 1, 90-106	5.5	19
68	NMR Investigation of Structures of G-protein Coupled Receptor Folding Intermediates. <i>Journal of Biological Chemistry</i> , 2016 , 291, 27170-27186	5.4	6
67	The C-terminal Domains of Apoptotic BH3-only Proteins Mediate Their Insertion into Distinct Biological Membranes. <i>Journal of Biological Chemistry</i> , 2016 , 291, 25207-25216	5.4	8
66	The ER-Membrane Transport System Is Critical for Intercellular Trafficking of the NSm Movement Protein and Tomato Spotted Wilt Tospovirus. <i>PLoS Pathogens</i> , 2016 , 12, e1005443	7.6	55
65	Biological insertion of computationally designed short transmembrane segments. <i>Scientific Reports</i> , 2016 , 6, 23397	4.9	14
64	Human Peroxin PEX3 Is Co-translationally Integrated into the ER and Exits the ER in Budding Vesicles. <i>Traffic</i> , 2016 , 17, 117-30	5.7	19
63	Molecular and topological membrane folding determinants of transient receptor potential vanilloid 2 channel. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 462, 221-6	3.4	6
62	Viroporins, Examples of the Two-Stage Membrane Protein Folding Model. <i>Viruses</i> , 2015 , 7, 3462-82	6.2	8
61	The Tobacco mosaic virus movement protein associates with but does not integrate into biological membranes. <i>Journal of Virology</i> , 2014 , 88, 3016-26	6.6	48
60	Peptides derived from the transmembrane domain of Bcl-2 proteins as potential mitochondrial priming tools. <i>ACS Chemical Biology</i> , 2014 , 9, 1799-811	4.9	13
59	A transmembrane serine residue in the Rot1 protein is essential for yeast cell viability. <i>Biochemical Journal</i> , 2014 , 458, 239-49	3.8	3
58	Stitching proteins into membranes, not sew simple. <i>Biological Chemistry</i> , 2014 , 395, 1417-24	4.5	8
57	Structure-based statistical analysis of transmembrane helices. <i>European Biophysics Journal</i> , 2013 , 42, 199-207	1.9	50
56	The genome sequencing of an albino Western lowland gorilla reveals inbreeding in the wild. <i>BMC Genomics</i> , 2013 , 14, 363	4.5	30

55	Membrane-Perturbing Activities of KL4-Related Surfactant Peptides. <i>Biophysical Journal</i> , 2013 , 104, 94a-95a		
54	Charge pair interactions in transmembrane helices and turn propensity of the connecting sequence promote helical hairpin insertion. <i>Journal of Molecular Biology</i> , 2013 , 425, 830-40	6.5	25
53	BB0172, a <i>Borrelia burgdorferi</i> outer membrane protein that binds integrin $\beta 1$. <i>Journal of Bacteriology</i> , 2013 , 195, 3320-30	3.5	16
52	Interfacial behavior of recombinant forms of human pulmonary surfactant protein SP-C. <i>Langmuir</i> , 2012 , 28, 7811-25	4	16
51	Polar/Ionizable residues in transmembrane segments: effects on helix-helix packing. <i>PLoS ONE</i> , 2012 , 7, e44263	3.7	20
50	Membrane insertion and topology of the translocating chain-associating membrane protein (TRAM). <i>Journal of Molecular Biology</i> , 2011 , 406, 571-82	6.5	29
49	Membrane protein integration into the endoplasmic reticulum. <i>FEBS Journal</i> , 2011 , 278, 3846-58	5.7	26
48	N-glycosylation efficiency is determined by the distance to the C-terminus and the amino acid preceding an Asn-Ser-Thr sequon. <i>Protein Science</i> , 2011 , 20, 179-86	6.3	44
47	Membrane integration of poliovirus 2B viroporin. <i>Journal of Virology</i> , 2011 , 85, 11315-24	6.6	32
46	Membrane insertion and biogenesis of the Turnip crinkle virus p9 movement protein. <i>Journal of Virology</i> , 2010 , 84, 5520-7	6.6	26
45	Palmitoylation of pulmonary surfactant protein SP-C is critical for its functional cooperation with SP-B to sustain compression/expansion dynamics in cholesterol-containing surfactant films. <i>Biophysical Journal</i> , 2010 , 99, 3234-43	2.9	30
44	Plant virus cell-to-cell movement is not dependent on the transmembrane disposition of its movement protein. <i>Journal of Virology</i> , 2009 , 83, 5535-43	6.6	34
43	Membrane topology of gp41 and amyloid precursor protein: interfering transmembrane interactions as potential targets for HIV and Alzheimer treatment. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009 , 1788, 2132-41	3.8	10
42	Activation of the p75 neurotrophin receptor through conformational rearrangement of disulphide-linked receptor dimers. <i>Neuron</i> , 2009 , 62, 72-83	13.9	115
41	Viral membrane protein topology is dictated by multiple determinants in its sequence. <i>Journal of Molecular Biology</i> , 2009 , 387, 113-28	6.5	15
40	The surfactant peptide KL4 sequence is inserted with a transmembrane orientation into the endoplasmic reticulum membrane. <i>Biophysical Journal</i> , 2008 , 95, L36-8	2.9	28
39	Synthetic pulmonary surfactant preparations: new developments and future trends. <i>Current Medicinal Chemistry</i> , 2008 , 15, 393-403	4.3	50
38	Membrane insertion and topology of the p7B movement protein of Melon Necrotic Spot Virus (MNSV). <i>Virology</i> , 2007 , 367, 348-57	3.6	33

37	Sec61alpha and TRAM are sequentially adjacent to a nascent viral membrane protein during its ER integration. <i>Journal of Molecular Biology</i> , 2007 , 366, 366-74	6.5	34
36	RNA-binding properties and membrane insertion of Melon necrotic spot virus (MNSV) double gene block movement proteins. <i>Virology</i> , 2006 , 356, 57-67	3.6	34
35	Hexapeptides that interfere with HIV-1 fusion peptide activity in liposomes block GP41-mediated membrane fusion. <i>FEBS Letters</i> , 2006 , 580, 2561-6	3.8	10
34	Production and characterisation of recombinant forms of human pulmonary surfactant protein C (SP-C): Structure and surface activity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006 , 1758, 509-18	3.8	19
33	Peptides corresponding to helices 5 and 6 of Bax can independently form large lipid pores. <i>FEBS Journal</i> , 2006 , 273, 971-81	5.7	89
32	Small molecule inhibitors of Apaf-1-related caspase- 3/-9 activation that control mitochondrial-dependent apoptosis. <i>Cell Death and Differentiation</i> , 2006 , 13, 1523-32	12.7	64
31	Identification from a positional scanning peptoid library of in vivo active compounds that neutralize bacterial endotoxins. <i>Journal of Medicinal Chemistry</i> , 2005 , 48, 1265-8	8.3	26
30	Influence of hydrophobic matching on association of model transmembrane fragments containing a minimised glycophorin A dimerisation motif. <i>FEBS Letters</i> , 2005 , 579, 1633-8	3.8	30
29	Peptides derived from apoptotic Bax and Bid reproduce the poration activity of the parent full-length proteins. <i>Biophysical Journal</i> , 2005 , 88, 3976-90	2.9	84
28	Mutational analysis of the RNA-binding domain of the Prunus necrotic ringspot virus (PNRSV) movement protein reveals its requirement for cell-to-cell movement. <i>Virology</i> , 2005 , 339, 31-41	3.6	33
27	Transient structural ordering of the RNA-binding domain of carnation mottle virus p7 movement protein modulates nucleic acid binding. <i>ChemBioChem</i> , 2005 , 6, 1391-6	3.8	13
26	Double-spanning plant viral movement protein integration into the endoplasmic reticulum membrane is signal recognition particle-dependent, translocon-mediated, and concerted. <i>Journal of Biological Chemistry</i> , 2005 , 280, 25907-12	5.4	37
25	Consensus structural models for the amino terminal domain of the retrovirus restriction gene Fv1 and the murine leukaemia virus capsid proteins. <i>BMC Structural Biology</i> , 2004 , 4, 1	2.7	14
24	Ionic self-complementarity induces amyloid-like fibril formation in an isolated domain of a plant copper metallochaperone protein. <i>BMC Structural Biology</i> , 2004 , 4, 7	2.7	16
23	Roles of a conserved proline in the internal fusion peptide of Ebola glycoprotein. <i>FEBS Letters</i> , 2004 , 569, 261-6	3.8	28
22	Influence of proline residues in transmembrane helix packing. <i>Journal of Molecular Biology</i> , 2004 , 335, 631-40	6.5	54
21	Membrane-insertion fragments of Bcl-xL, Bax, and Bid. <i>Biochemistry</i> , 2004 , 43, 10930-43	3.2	115
20	Helix-Helix Packing Between Transmembrane Fragments. <i>Principles and Practice</i> , 2004 , 1-14		

19	The structural plasticity of the C terminus of p21Cip1 is a determinant for target protein recognition. <i>ChemBioChem</i> , 2003 , 4, 863-9	3.8	16
18	Calcium-dependent conformational changes of membrane-bound Ebola fusion peptide drive vesicle fusion. <i>FEBS Letters</i> , 2003 , 535, 23-8	3.8	18
17	Peptides in apoptosis research. <i>Journal of Peptide Science</i> , 2002 , 8, 543-60	2.1	9
16	Insertion and topology of a plant viral movement protein in the endoplasmic reticulum membrane. <i>Journal of Biological Chemistry</i> , 2002 , 277, 23447-52	5.4	46
15	Different conformations of nascent polypeptides during translocation across the ER membrane. <i>BMC Cell Biology</i> , 2000 , 1, 3		71
14	Identification of peptides that neutralize bacterial endotoxins using beta-hairpin conformationally restricted libraries. <i>Molecular Diversity</i> , 2000 , 5, 117-26	3.1	7
13	Influence of the C-terminus of the glycophorin A transmembrane fragment on the dimerization process. <i>Protein Science</i> , 2000 , 9, 1246-53	6.3	28
12	Distant downstream sequence determinants can control N-tail translocation during protein insertion into the endoplasmic reticulum membrane. <i>Journal of Biological Chemistry</i> , 2000 , 275, 6207-13	5.4	32
11	Helix-helix packing in a membrane-like environment. <i>Journal of Molecular Biology</i> , 1997 , 272, 633-41	6.5	38
10	Membrane-protein engineering. <i>Trends in Biotechnology</i> , 1997 , 15, 432-7	15.1	14
9	Trapping of different lipase conformers in water-restricted environments. <i>Biochemistry</i> , 1996 , 35, 9935-44	3.2	39
8	Ala-insertion scanning mutagenesis of the glycophorin A transmembrane helix: a rapid way to map helix-helix interactions in integral membrane proteins. <i>Protein Science</i> , 1996 , 5, 1339-41	6.3	68
7	Interfacial Activation-Based Molecular Bioimprinting: Towards a More Rational Use of Lipolytic Enzymes in Nonaqueous Media 1996 , 229-242		3
6	Interfacial activation-based molecular bioimprinting of lipolytic enzymes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 3308-12	11.5	129
5	Activation of bee venom phospholipase A2 through a peptide-enzyme complex. <i>FEBS Letters</i> , 1995 , 372, 131-4	3.8	25
4	Direct HPLC Monitoring of Lipase Activity in Reverse Micellar Media. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1995 , 18, 235-244		1
3	Characterization of acylating and deacylating activities of an extracellular phospholipase A2 in a water-restricted environment. <i>Biochemistry</i> , 1994 , 33, 4652-60	3.2	21
2	SARS-CoV-2 envelope protein topology in eukaryotic membranes		1

1 Conformational clamping by a membrane ligand activates the EphA2 receptor

1