

# Marcelo Oscar Ortells

## List of Publications by Year in descending order

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33  
papers

973  
citations

759233

12  
h-index

526287

27  
g-index

33  
all docs

33  
docs citations

33  
times ranked

729  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolutionary history of the ligand-gated ion-channel superfamily of receptors. Trends in Neurosciences, 1995, 18, 121-127.	8.6	495
2	Chromosomal polymorphism and small karyotypic differentiation in a group of Ctenomys species from Central Argentina (Rodentia: Octodontidae). Genetica, 1991, 83, 131-144.	1.1	66
3	Phylogenetic analysis of G-banded karyotypes among the South American subterranean rodents of the genus Ctenomys (Caviomorpha: Octodontidae), with special reference to chromosomal evolution and speciation. Biological Journal of the Linnean Society, 1995, 54, 43-70.	1.6	43
4	New Ctenomys karyotypes (Rodentia, Octodontidae) from north-eastern Argentina and from Paraguay confirm the extreme chromosomal multiformity of the genus. Genetica, 1990, 82, 189-201.	1.1	42
5	A mixed helix-beta-sheet model of the transmembrane region of the nicotinic acetylcholine receptor. Protein Engineering, Design and Selection, 1996, 9, 51-59.	2.1	40
6	Inhibitory mechanisms and binding site location for serotonin selective reuptake inhibitors on nicotinic acetylcholine receptors. International Journal of Biochemistry and Cell Biology, 2010, 42, 712-724.	2.8	35
7	Neuronal networks of nicotine addiction. International Journal of Biochemistry and Cell Biology, 2010, 42, 1931-1935.	2.8	32
8	A study of genetic distances and variability in several species of the genus Ctenomys (Rodentia: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4 Biological Journal of the Linnean Society, 1994, 53, 189-208.	1.6	20
9	Tobacco addiction: A biochemical model of nicotine dependence. Medical Hypotheses, 2010, 74, 884-894.	1.5	19
10	Novel 2-(substituted benzyl)quinuclidines inhibit human $\alpha 7$ and $\alpha 4\beta 2$ nicotinic receptors by different mechanisms. International Journal of Biochemistry and Cell Biology, 2013, 45, 2420-2430.	2.8	17
11	Molecular modelling of the interactions of carbamazepine and a nicotinic receptor involved in the autosomal dominant nocturnal frontal lobe epilepsy. British Journal of Pharmacology, 2002, 136, 883-895.	5.4	14
12	Alkaloids Purified from <i>Aristolochia chilensis</i> Inhibit the Human $\alpha 3\beta 4$ Nicotinic Acetylcholine Receptor with Higher Potencies Compared with the Human $\alpha 4\beta 2$ and $\alpha 7$ Subtypes. Journal of Natural Products, 2019, 82, 1953-1960.	3.0	14
13	Functional and Structural Interaction of ( $\alpha$ )-Reboxetine with the Human $\alpha 4\beta 2$ Nicotinic Acetylcholine Receptor. Journal of Pharmacology and Experimental Therapeutics, 2013, 344, 113-123.	2.5	13
14	Drimane Sesquiterpenoids Noncompetitively Inhibit Human $\alpha 4\beta 2$ Nicotinic Acetylcholine Receptors with Higher Potency Compared to Human $\alpha 3\beta 4$ and $\alpha 7$ Subtypes. Journal of Natural Products, 2018, 81, 811-817.	3.0	13
15	Homologies and disparities of glutamate receptors: A critical analysis. Neurochemistry International, 1993, 23, 583-594.	3.8	11
16	New studies on allozyme genetic distance and variability in akodontine rodents (Cricetidae) and their systematic implications. Biological Journal of the Linnean Society, 1993, 48, 283-298.	1.6	10
17	Tricyclic antidepressants inhibit hippocampal $\alpha 7^*$ and $\alpha 9\beta 10$ nicotinic acetylcholine receptors by different mechanisms. International Journal of Biochemistry and Cell Biology, 2018, 100, 1-10.	2.8	10
18	Is the Antidepressant Activity of Selective Serotonin Reuptake Inhibitors Mediated by Nicotinic Acetylcholine Receptors?. Molecules, 2021, 26, 2149.	3.8	10

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19	Ligands, Receptor Models, and Evolution. <i>Annals of the New York Academy of Sciences</i> , 1995, 757, 40-47.	3.8	9
20	A model for the assembly of nicotinic receptors based on subunit-subunit interactions. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 70, 473-488.	2.6	9
21	Bupropion and its photoreactive analog ( $\alpha$ )-SADU-3-72 interact with luminal and non-luminal sites at human $\alpha 4 \beta 2$ nicotinic acetylcholine receptors. <i>Neurochemistry International</i> , 2016, 100, 67-77.	3.8	8
22	(E)-3-furan-2-yl-N-phenylacrylamide (PAM-4) decreases nociception and emotional manifestations of neuropathic pain in mice by $\alpha 7$ nicotinic acetylcholine receptor potentiation. <i>Neurological Research</i> , 2021, 43, 1056-1068.	1.3	8
23	Prediction of the secondary structure of the nicotinic acetylcholine receptor nontransmembrane regions. , 1997, 29, 391-398.		7
24	Functional and structural interaction of ( $\alpha$ )-lobeline with human $\alpha 4 \beta 2$ and $\alpha 4 \beta 4$ nicotinic acetylcholine receptor subtypes. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 64, 15-24.	2.8	7
25	Cytogenetics and karyosystematics of phyllotine rodents (Cricetidae, Sigmodontinae) I. Chromosome multiformity and gonosomal-autosomal translocation in <i>Reithrodon</i> . <i>Genetica</i> , 1988, 77, 53-63.	1.1	6
26	Screening Structural-Functional Relationships of Neuropharmacologically Active Organic Compounds at the Nicotinic Acetylcholine Receptor. <i>Neuropharmacology</i> , 1997, 36, 269-279.	4.1	4
27	( $\alpha$ )-Reboxetine inhibits muscle nicotinic acetylcholine receptors by interacting with luminal and non-luminal sites. <i>Neurochemistry International</i> , 2013, 63, 423-431.	3.8	3
28	Selectivity of ( $\alpha$ )-citalopram at nicotinic acetylcholine receptors and different inhibitory mechanisms between habenuar $\alpha 3 \beta 4^*$ and $\alpha 9 \beta 10$ subtypes. <i>Neurochemistry International</i> , 2019, 131, 104552.	3.8	3
29	Molecular Modeling of the Nicotinic Acetylcholine Receptor. , 1998, , 85-108.		3
30	Evolution of the AChR and Other Ligand-Gated Ion Channels. , 1998, , 11-30.		2
31	Predictions on ligand-gated ion-channels. <i>Neurochemistry International</i> , 1992, 21, S8.	3.8	0
32	Molecular mechanisms of nicotine dependence. <i>Journal of Pediatric Biochemistry</i> , 2015, 01, 075-089.	0.2	0
33	Interaction of fluoxetine and paroxetine with muscle nicotinic acetylcholine receptors. <i>FASEB Journal</i> , 2010, 24, 986.16.	0.5	0