Salvador Sala

List of Publications by Year
in descending order

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45 papers	1,105 citations	430874 18 h-index	414414 32 g-index
45 all docs	45 docs citations	45 times ranked	958 citing authors

#	Article	IF	Citations
1	Conservation within the RIC-3 Gene Family. Journal of Biological Chemistry, 2003, 278, 34411-34417.	3.4	161
2	Î±-Bungarotoxin-sensitive Nicotinic Receptors on Bovine Chromaffin Cells: Molecular Cloning, Functional Expression and Alternative Splicing of the Î±7 Subunit. European Journal of Neuroscience, 1995, 7, 647-655.	2.6	101
3	Dual Role of the RIC-3 Protein in Trafficking of Serotonin and Nicotinic Acetylcholine Receptors. Journal of Biological Chemistry, 2005, 280, 27062-27068.	3.4	89
4	Effects of Ginsenoside Rg2 on Human Neuronal Nicotinic Acetylcholine Receptors. Journal of Pharmacology and Experimental Therapeutics, 2002, 301, 1052-1059.	2.5	77
5	Effects of ginsenosides, active components of ginseng, on nicotinic acetylcholine receptors expressed in Xenopus oocytes. European Journal of Pharmacology, 2002, 442, 37-45.	3.5	57
6	Role of Two Acetylcholine Receptor Subunit Domains in Homomer Formation and Intersubunit Recognition, as Revealed by .alpha.3 and .alpha.7 Subunit Chimeras. Biochemistry, 1994, 33, 15198-15203.	2.5	55
7	Potentiation of human Î±4Î²2 neuronal nicotinic receptors by a Flustra foliacea metabolite. Neuroscience Letters, 2005, 373, 144-149.	2.1	53
8	Charged Amino Acids of the N-terminal Domain Are Involved in Coupling Binding and Gating in Î±7 Nicotinic Receptors. Journal of Biological Chemistry, 2005, 280, 6642-6647.	3.4	42
9	Role of the Large Cytoplasmic Loop of the Î±7 Neuronal Nicotinic Acetylcholine Receptor Subunit in Receptor Expression and Functionâ€. Biochemistry, 2002, 41, 7931-7938.	2.5	32
10	A residue in the middle of the M2-M3 loop of the Î²4subunit specifically affects gating of neuronal nicotinic receptors. FEBS Letters, 1998, 433, 89-92.	2.8	30
11	Molecular characterization and localization of the RICâ€3 protein, an effector of nicotinic acetylcholine receptor expression. Journal of Neurochemistry, 2008, 105, 617-627.	3.9	28
12	Role of the Putative Transmembrane Segment M3 in Gating of Neuronal Nicotinic Receptorsâ€. Biochemistry, 1997, 36, 2709-2715.	2.5	27
13	The cysteine-rich with EGF-Like domains 2 (CRELD2) protein interacts with the large cytoplasmic domain of human neuronal nicotinic acetylcholine receptor alpha4 and beta2 subunits. Journal of Neurochemistry, 2005, 95, 1585-1596.	3.9	27
14	Chalcones as positive allosteric modulators of Î±7 nicotinic acetylcholine receptors: A new target for a privileged structure. European Journal of Medicinal Chemistry, 2014, 86, 724-739.	5.5	23
15	A Retino-retinal Projection Guided by Unc5c Emerged in Species with Retinal Waves. Current Biology, 2019, 29, 1149-1160.e4.	3.9	22
16	Mutations of a Conserved Lysine Residue in the N-Terminal Domain of Î±7 Nicotinic Receptors Affect Gating and Binding of Nicotinic Agonists. Molecular Pharmacology, 2005, 68, 1669-1677.	2.3	21
17	Analysis and use of the perforated patch technique for recording ionic currents in pancreaticÎ²-cells. Journal of Membrane Biology, 1991, 122, 177-187.	2.1	20
18	Role of the RIC-3 Protein in Trafficking of Serotonin and Nicotinic Acetylcholine Receptors. Journal of Molecular Neuroscience, 2006, 30, 153-156.	2.3	20

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19	Role of the Nâ€terminal Î±â€helix in biogenesis of Î±7 nicotinic receptors. Journal of Neurochemistry, 2009, 108, 1399-1409.	3.9	20
20	Expression and functional properties of Î±7 acetylcholine nicotinic receptors are modified in the presence of other receptor subunits. Journal of Neurochemistry, 2012, 123, 504-514.	3.9	20
21	Multiple Roles of the Conserved Key Residue Arginine 209 in Neuronal Nicotinic Receptorsâ€. Biochemistry, 2001, 40, 8300-8306.	2.5	19
22	Cytoplasmic regions adjacent to the M3 and M4 transmembrane segments influence expression and function of ?7 nicotinic acetylcholine receptors. A study with single amino acid mutants. Journal of Neurochemistry, 2007, 100, 406-415.	3.9	16
23	Improved gating of a chimeric Î±7-5HT3Areceptor upon mutations at the M2-M3 extracellular loop. FEBS Letters, 2006, 580, 256-260.	2.8	15
24	Effects of benzothiazepines on human neuronal nicotinic receptors expressed in Xenopus oocytes. British Journal of Pharmacology, 2002, 136, 183-192.	5.4	13
25	Acetylcholine receptor subunit homomer formation requires compatibility between amino acid residues of the M 1 and M2 transmembrane segments. FEBS Letters, 1996, 399, 83-86.	2.8	12
26	1,3-diphenylpropan-1-ones as allosteric modulators of Î±7 nACh receptors with analgesic and antioxidant properties. Future Medicinal Chemistry, 2016, 8, 731-749.	2.3	12
27	1-(2â€²,5â€²-Dihydroxyphenyl)-3-(2-fluoro-4-hydroxyphenyl)-1-propanone (RGM079): A Positive Allosteric Modulator of Î±7 Nicotinic Receptors with Analgesic and Neuroprotective Activity. ACS Chemical Neuroscience, 2019, 10, 3900-3909.	3.5	11
28	Nonâ€charged amino acids from three different domains contribute to link agonist binding to channel gating in Î±7 nicotinic acetylcholine receptors. Journal of Neurochemistry, 2007, 103, 725-735.	3.9	9
29	The loop between Î²â€strands Î²2 and Î²3 and its interaction with the Nâ€terminal Î±â€helix is essential for biogenesis of Î±7 nicotinic receptors. Journal of Neurochemistry, 2010, 112, 103-111.	3.9	8
30	Interactions between loop 5 and Î²-strand Î²6' are involved in Î±7 nicotinic acetylcholine receptors channel gating. Journal of Neurochemistry, 2007, 104, 071027034430001-???.	3.9	7
31	N-Benzylpiperidine Derivatives as Î±7 Nicotinic Receptor Antagonists. ACS Chemical Neuroscience, 2016, 7, 1157-1165.	3.5	7
32	A delayed rectifier potassium channel cloned from bovine adrenal medulla Functional analysis after expression in Xenopus oocytes and in a neuroblastoma cell line. FEBS Letters, 1994, 354, 173-176.	2.8	6
33	Role of the extracellular transmembrane domain interface in gating and pharmacology of a heteromeric neuronal nicotinic receptor. Journal of Neurochemistry, 2010, 113, 1036-1045.	3.9	6
34	Amino acid and peptide prodrugs of diphenylpropanones positive allosteric modulators of Î±7 nicotinic receptors with analgesic activity. European Journal of Medicinal Chemistry, 2018, 143, 157-165.	5.5	6
35	Natural Polyhydroxy Flavonoids, Curcuminoids, and Synthetic Curcumin Analogs as Î±7 nAChRs Positive Allosteric Modulators. International Journal of Molecular Sciences, 2021, 22, 973.	4.1	6
36	A small cytoplasmic region adjacent to the fourth transmembrane segment of the Î±7 nicotinic receptor is essential for its biogenesis. FEBS Letters, 2011, 585, 2477-2480.	2.8	5

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37	Effect of Triazine Derivatives on Neuronal Nicotinic Receptors. ACS Chemical Neuroscience, 2014, 5, 683-689.	3.5	5
38	Inactivation of Delayed Potassium Current in Cultured Bovine Chromaffin Cells. European Journal of Neuroscience, 1991, 3, 462-472.	2.6	4
39	Substitutions of amino acids in the pore domain of homomeric Î±7 nicotinic receptors for analogous residues present in heteromeric receptors modify gating, rectification and binding properties. Journal of Neurochemistry, 2011, 119, 40-49.	3.9	4
40	Bindingâ€“gating coupling in a nondesensitizing Î±7 nicotinic receptor. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 410-416.	2.6	3
41	Role of loop 9 on the function of neuronal nicotinic receptors. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 654-659.	2.6	3
42	Singleâ€channel study of the bindingâ€“gating coupling in the slowly desensitizing chimeric Î±7â€5HT3A receptor. FEBS Letters, 2009, 583, 1045-1051.	2.8	2
43	Mutants of Î²â€strand Î²3 and the loop B in the interface between Î±7 subunits of a homomeric acetylcholine receptor show functional and pharmacological alterations. Journal of Neurochemistry, 2011, 118, 968-978.	3.9	1
44	Molecular cloning and functional expression of potassium channels from the adrenal medulla. Biochemical Society Transactions, 1994, 22, 817-821.	3.4	0
45	Corrigendum to â€œImproved gating of a chimeric Î±7-5HT3Areceptor upon mutations at the M2-M3 extracellular loopâ€•[FEBS Lett. 580 (2006) 256-260]. FEBS Letters, 2006, 580, 6518-6518.	2.8	0