

Juan Francisco Lopez-Gimenez

List of Publications by Year in descending order

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docs citations

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times ranked

2839
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of a serotonin/glutamate receptor complex implicated in psychosis. <i>Nature</i> , 2008, 452, 93-97.	13.7	739
2	Presynaptic Control of Striatal Glutamatergic Neurotransmission by Adenosine A1-A2A Receptor Heteromers. <i>Journal of Neuroscience</i> , 2006, 26, 2080-2087.	1.7	553
3	Selective visualization of rat brain 5-HT _{2A} receptors by autoradiography with [³ H]MDL 100,907. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1997, 356, 446-454.	1.4	169
4	The $\hat{1}\pm 1b$ -Adrenoceptor Exists as a Higher-Order Oligomer: Effective Oligomerization Is Required for Receptor Maturation, Surface Delivery, and Function. <i>Molecular Pharmacology</i> , 2007, 71, 1015-1029.	1.0	154
5	Hallucinogens and Serotonin 5-HT _{2A} Receptor-Mediated Signaling Pathways. <i>Current Topics in Behavioral Neurosciences</i> , 2017, 36, 45-73.	0.8	127
6	Identification of Three Residues Essential for 5-Hydroxytryptamine 2A-Metabotropic Glutamate 2 (5-HT _{2A} ·mGlu ₂) Receptor Heteromerization and Its Psychoactive Behavioral Function. <i>Journal of Biological Chemistry</i> , 2012, 287, 44301-44319.	1.6	122
7	Mapping of 5-HT _{2A} receptors and their mRNA in monkey brain: [³ H]MDL100,907 autoradiography and in situ hybridization studies. <i>Journal of Comparative Neurology</i> , 2001, 429, 571-589.	0.9	108
8	Multiple Interactions between Transmembrane Helices Generate the Oligomeric $\hat{1}\pm 1b$ -Adrenoceptor. <i>Molecular Pharmacology</i> , 2004, 66, 1123-1137.	1.0	95
9	Allosteric signaling through an mGlu ₂ and 5-HT _{2A} heteromeric receptor complex and its potential contribution to schizophrenia. <i>Science Signaling</i> , 2016, 9, ra5.	1.6	91
10	Regional distribution and cellular localization of 5-HT _{2C} receptor mRNA in monkey brain: Comparison with [³ H]mesulergine binding sites and choline acetyltransferase mRNA. <i>Synapse</i> , 2001, 42, 12-26.	0.6	87
11	Antipsychotic-induced Hdac2 transcription via NF- $\hat{1}\kappa$ B leads to synaptic and cognitive side effects. <i>Nature Neuroscience</i> , 2017, 20, 1247-1259.	7.1	79
12	Domain Swapping in the Human Histamine H1 Receptor. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 311, 131-138.	1.3	77
13	[³ H]MDL100,907 labels 5-HT _{2A} serotonin receptors selectively in primate brain. <i>Neuropharmacology</i> , 1998, 37, 1147-1158.	2.0	73
14	High-Affinity Interactions between Human $\hat{1}\pm 1A$ -Adrenoceptor C-Terminal Splice Variants Produce Homo- and Heterodimers but Do Not Generate the $\hat{1}\pm 1L$ -Adrenoceptor. <i>Molecular Pharmacology</i> , 2004, 66, 228-239.	1.0	65
15	Evidence for Distinct Antagonist-Revealed Functional States of 5-Hydroxytryptamine _{2A} Receptor Homodimers. <i>Molecular Pharmacology</i> , 2009, 75, 1380-1391.	1.0	60
16	Serotonin 2C receptor knockout mice: Autoradiographic analysis of multiple serotonin receptors. <i>Journal of Neuroscience Research</i> , 2002, 67, 69-85.	1.3	59
17	Early localization of mRNA coding for 5-HT _{1A} receptors in human brain during development. <i>Molecular Brain Research</i> , 1998, 60, 123-126.	2.5	49
18	Morphine Desensitization, Internalization, and Down-Regulation of the $\hat{1}\mu$ Opioid Receptor Is Facilitated by Serotonin 5-Hydroxytryptamine _{2A} Receptor Coactivation. <i>Molecular Pharmacology</i> , 2008, 74, 1278-1291.	1.0	47

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19	Cell surface delivery and structural re-organization by pharmacological chaperones of an oligomerization-defective β 1b-adrenoceptor mutant demonstrates membrane targeting of GPCR oligomers. <i>Biochemical Journal</i> , 2009, 417, 161-172.	1.7	36
20	Human striosomes are enriched in 5-HT2A receptors: autoradiographical visualization with [3H]MDL100,907, [125I](β)DOI and [3H]ketanserin. <i>European Journal of Neuroscience</i> , 1999, 11, 3761-3765.	1.2	32
21	The Specificity and Molecular Basis of β 1-Adrenoceptor and CXCR Chemokine Receptor Dimerization. <i>Journal of Molecular Neuroscience</i> , 2005, 26, 161-168.	1.1	30
22	Interclass GPCR heteromerization affects localization and trafficking. <i>Science Signaling</i> , 2020, 13, .	1.6	28
23	Constitutive oligomerization of human D2 dopamine receptors expressed in <i>Spodoptera frugiperda</i> (Sf9) and in HEK293 cells. <i>FEBS Journal</i> , 2003, 270, 3928-3938.	0.2	23
24	Pharmacological analysis of a dopamine D2 Short : β 1 fusion protein expressed in Sf9 cells. <i>FEBS Letters</i> , 2003, 545, 155-160.	1.3	19
25	Chemical Neuroanatomy of 5-HT Receptor Subtypes in the Mammalian Brain. <i>Receptors</i> , 2006, , 319-364.	0.2	16
26	Multiple conformations of 5-HT2A and 5-HT2C receptors in rat brain: an autoradiographic study with [125I](β)DOI. <i>Experimental Brain Research</i> , 2013, 230, 395-406.	0.7	12
27	Opioid Regulation of Mu Receptor Internalisation: Relevance to the Development of Tolerance and Dependence. <i>CNS and Neurological Disorders - Drug Targets</i> , 2010, 9, 616-626.	0.8	11
28	Dimerization of β 1-adrenoceptors. <i>Biochemical Society Transactions</i> , 2004, 32, 847-850.	1.6	9
29	Oligomeric structure of the β 1b-adrenoceptor: Comparisons with rhodopsin. <i>Vision Research</i> , 2006, 46, 4434-4441.	0.7	9
30	Potential of morphine-induced antinociception and locomotion by citalopram is accompanied by anxiolytic-like effects. <i>Pharmacology Biochemistry and Behavior</i> , 2017, 163, 83-89.	1.3	9
31	Formation of oligomers by G protein-coupled receptors. <i>Current Opinion in Drug Discovery & Development</i> , 2002, 5, 756-63.	1.9	9
32	Selectivity in the oligomerisation of G protein-coupled receptors. <i>Seminars in Cell and Developmental Biology</i> , 2004, 15, 263-268.	2.3	8
33	Endocytosis as a Biological Response in Receptor Pharmacology: Evaluation by Fluorescence Microscopy. <i>PLoS ONE</i> , 2015, 10, e0122604.	1.1	6
34	His452Tyr polymorphism in the human 5-HT2A receptor affects clozapine-induced signaling networks revealed by quantitative phosphoproteomics. <i>Biochemical Pharmacology</i> , 2021, 185, 114440.	2.0	5
35	M3 muscarinic acetylcholine receptor facilitates the endocytosis of mu opioid receptor mediated by morphine independently of the formation of heteromeric complexes. <i>Cellular Signalling</i> , 2017, 35, 208-222.	1.7	4
36	Yohimbine does not affect opioid receptor activation but prevents adenylate cyclase regulation by morphine in NG108-15 cells. <i>Life Sciences</i> , 2011, 89, 327-30.	2.0	3

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37	Validation of schizophrenia gene expression profile in a preclinical model of maternal infection during pregnancy. <i>Schizophrenia Research</i> , 2017, 189, 217-218.	1.1	1
38	Evaluating the pharmacological response in fluorescence microscopy images: The \hat{I}^m algorithm. <i>PLoS ONE</i> , 2019, 14, e0211330.	1.1	0