

# Rafael Franco

## List of Publications by Citations

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395  
papers

18,449  
citations

76  
h-index

117  
g-index

425  
ext. papers

20,629  
ext. citations

5.8  
avg, IF

6.55  
L-index

#	Paper	IF	Citations
395	Presynaptic control of striatal glutamatergic neurotransmission by adenosine A1-A2A receptor heteromers. <i>Journal of Neuroscience</i> , <b>2006</b> , 26, 2080-7	6.6	473
394	Alternatively activated microglia and macrophages in the central nervous system. <i>Progress in Neurobiology</i> , <b>2015</b> , 131, 65-86	10.9	395
393	Coaggregation, cointernalization, and codesensitization of adenosine A2A receptors and dopamine D2 receptors. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 18091-7	5.4	393
392	Dopamine D1 and adenosine A1 receptors form functionally interacting heteromeric complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2000</b> , 97, 8606-11	11.5	385
391	Adenosine A2A-dopamine D2 receptor-receptor heteromerization: qualitative and quantitative assessment by fluorescence and bioluminescence energy transfer. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 46741-9	5.4	353
390	Building a new conceptual framework for receptor heteromers. <i>Nature Chemical Biology</i> , <b>2009</b> , 5, 131-4	11.7	313
389	Synergistic interaction between adenosine A2A and glutamate mGlu5 receptors: implications for striatal neuronal function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 11940-5	11.5	299
388	Molecular mechanisms and therapeutical implications of intramembrane receptor/receptor interactions among heptahelical receptors with examples from the striatopallidal GABA neurons. <i>Pharmacological Reviews</i> , <b>2003</b> , 55, 509-50	22.5	280
387	Detection of heteromerization of more than two proteins by sequential BRET-FRET. <i>Nature Methods</i> , <b>2008</b> , 5, 727-33	21.6	241
386	Metabotropic glutamate type 5, dopamine D2 and adenosine A2a receptors form higher-order oligomers in living cells. <i>Journal of Neurochemistry</i> , <b>2009</b> , 109, 1497-507	6	218
385	Cell surface adenosine deaminase: much more than an ectoenzyme. <i>Progress in Neurobiology</i> , <b>1997</b> , 52, 283-94	10.9	209
384	An update on adenosine A2A-dopamine D2 receptor interactions: implications for the function of G protein-coupled receptors. <i>Current Pharmaceutical Design</i> , <b>2008</b> , 14, 1468-74	3.3	203
383	Adenosine receptor-dopamine receptor interactions in the basal ganglia and their relevance for brain function. <i>Physiology and Behavior</i> , <b>2007</b> , 92, 210-7	3.5	200
382	Striatal adenosine A2A and cannabinoid CB1 receptors form functional heteromeric complexes that mediate the motor effects of cannabinoids. <i>Neuropsychopharmacology</i> , <b>2007</b> , 32, 2249-59	8.7	190
381	Adenosine A2A and dopamine D2 heteromeric receptor complexes and their function. <i>Journal of Molecular Neuroscience</i> , <b>2005</b> , 26, 209-20	3.3	187
380	CD26, adenosine deaminase, and adenosine receptors mediate costimulatory signals in the immunological synapse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 9583-8	11.5	185
379	Combining mass spectrometry and pull-down techniques for the study of receptor heteromerization. Direct epitope-epitope electrostatic interactions between adenosine A2A and dopamine D2 receptors. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 5354-63	7.8	181

378	Phosphodiesterases as therapeutic targets for Alzheimer's disease. <i>ACS Chemical Neuroscience</i> , <b>2012</b> , 3, 832-44	5.7	180
377	Identification of dopamine D1-D3 receptor heteromers. Indications for a role of synergistic D1-D3 receptor interactions in the striatum. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 26016-25	5.4	174
376	Cannabinoid receptors CB1 and CB2 form functional heteromers in brain. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 20851-65	5.4	156
375	Enzymatic and extraenzymatic role of ecto-adenosine deaminase in lymphocytes. <i>Immunological Reviews</i> , <b>1998</b> , 161, 27-42	11.3	147
374	Aspects of the general biology of adenosine A2A signaling. <i>Progress in Neurobiology</i> , <b>2007</b> , 83, 263-76	10.9	146
373	Metabotropic glutamate 1alpha and adenosine A1 receptors assemble into functionally interacting complexes. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 18345-51	5.4	145
372	Past, present and future of A(2A) adenosine receptor antagonists in the therapy of Parkinson's disease. <i>Pharmacology &amp; Therapeutics</i> , <b>2011</b> , 132, 280-99	13.9	143
371	Interactions between histamine H3 and dopamine D2 receptors and the implications for striatal function. <i>Neuropharmacology</i> , <b>2008</b> , 55, 190-7	5.5	142
370	Mechanisms of cannabidiol neuroprotection in hypoxic-ischemic newborn pigs: role of 5HT(1A) and CB2 receptors. <i>Neuropharmacology</i> , <b>2013</b> , 71, 282-91	5.5	140
369	Antagonistic cannabinoid CB1/dopamine D2 receptor interactions in striatal CB1/D2 heteromers. A combined neurochemical and behavioral analysis. <i>Neuropharmacology</i> , <b>2008</b> , 54, 815-23	5.5	139
368	Human adenosine deaminase 2 induces differentiation of monocytes into macrophages and stimulates proliferation of T helper cells and macrophages. <i>Journal of Leukocyte Biology</i> , <b>2010</b> , 88, 279-90	6.5	137
367	Adenosine deaminase affects ligand-induced signalling by interacting with cell surface adenosine receptors. <i>FEBS Letters</i> , <b>1996</b> , 380, 219-23	3.8	137
366	Direct involvement of sigma-1 receptors in the dopamine D1 receptor-mediated effects of cocaine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 18676-81	11.5	135
365	Sildenafil restores cognitive function without affecting amyloid burden in a mouse model of Alzheimer's disease. <i>British Journal of Pharmacology</i> , <b>2011</b> , 164, 2029-41	8.6	129
364	Homodimerization of adenosine A2A receptors: qualitative and quantitative assessment by fluorescence and bioluminescence energy transfer. <i>Journal of Neurochemistry</i> , <b>2004</b> , 88, 726-34	6	123
363	Adenosine A2A-dopamine D2 receptor-receptor heteromers. Targets for neuro-psychiatric disorders. <i>Parkinsonism and Related Disorders</i> , <b>2004</b> , 10, 265-71	3.6	122
362	Role of glutamate on T-cell mediated immunity. <i>Journal of Neuroimmunology</i> , <b>2007</b> , 185, 9-19	3.5	121
361	Functional relevance of neurotransmitter receptor heteromers in the central nervous system. <i>Trends in Neurosciences</i> , <b>2007</b> , 30, 440-6	13.3	121

360	A1 adenosine receptors accumulate in neurodegenerative structures in Alzheimer disease and mediate both amyloid precursor protein processing and tau phosphorylation and translocation. <i>Brain Pathology</i> , <b>2003</b> , 13, 440-51	6	120
359	Evidence for adenosine/dopamine receptor interactions: indications for heteromerization. <i>Neuropsychopharmacology</i> , <b>2000</b> , 23, S50-9	8.7	120
358	Marked changes in signal transduction upon heteromerization of dopamine D1 and histamine H3 receptors. <i>British Journal of Pharmacology</i> , <b>2009</b> , 157, 64-75	8.6	117
357	Adenosine A2A receptor stimulation potentiates nitric oxide release by activated microglia. <i>Journal of Neurochemistry</i> , <b>2005</b> , 95, 919-29	6	117
356	Adenosine A2A receptor-antagonist/dopamine D2 receptor-agonist bivalent ligands as pharmacological tools to detect A2A-D2 receptor heteromers. <i>Journal of Medicinal Chemistry</i> , <b>2009</b> , 52, 5590-602	8.3	116
355	CB2 receptor and amyloid pathology in frontal cortex of Alzheimer's disease patients. <i>Neurobiology of Aging</i> , <b>2013</b> , 34, 805-8	5.6	113
354	Circadian-related heteromerization of adrenergic and dopamine D1 receptors modulates melatonin synthesis and release in the pineal gland. <i>PLoS Biology</i> , <b>2012</b> , 10, e1001347	9.7	111
353	Immunological identification of A1 adenosine receptors in brain cortex. <i>Journal of Neuroscience Research</i> , <b>1995</b> , 42, 818-28	4.4	111
352	Tadalafil crosses the blood-brain barrier and reverses cognitive dysfunction in a mouse model of AD. <i>Neuropharmacology</i> , <b>2013</b> , 64, 114-23	5.5	109
351	Health benefits of methylxanthines in cacao and chocolate. <i>Nutrients</i> , <b>2013</b> , 5, 4159-73	6.7	109
350	Glutamate released by dendritic cells as a novel modulator of T cell activation. <i>Journal of Immunology</i> , <b>2006</b> , 177, 6695-704	5.3	108
349	Expression of the mRNA coding the cannabinoid receptor 2 in the pallidal complex of <i>Macaca fascicularis</i> . <i>Journal of Psychopharmacology</i> , <b>2011</b> , 25, 97-104	4.6	107
348	Adenosine A1-A2A receptor heteromers: new targets for caffeine in the brain. <i>Frontiers in Bioscience - Landmark</i> , <b>2008</b> , 13, 2391-9	2.8	103
347	Adenosine A2A receptor and dopamine D3 receptor interactions: evidence of functional A2A/D3 heteromeric complexes. <i>Molecular Pharmacology</i> , <b>2005</b> , 67, 400-7	4.3	101
346	Intramembrane receptor-receptor interactions: a novel principle in molecular medicine. <i>Journal of Neural Transmission</i> , <b>2007</b> , 114, 49-75	4.3	100
345	Dopamine D1-histamine H3 receptor heteromers provide a selective link to MAPK signaling in GABAergic neurons of the direct striatal pathway. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 5846-54	5.4	98
344	Neurotransmitter receptor heteromers and their integrative role in 'local modules': the striatal spine module. <i>Brain Research Reviews</i> , <b>2007</b> , 55, 55-67		98
343	Successful therapies for Alzheimer's disease: why so many in animal models and none in humans?. <i>Frontiers in Pharmacology</i> , <b>2014</b> , 5, 146	5.6	97

342	The emergence of neurotransmitters as immune modulators. <i>Trends in Immunology</i> , <b>2007</b> , 28, 400-7	14.4	97
341	Striatal pre- and postsynaptic profile of adenosine A(2A) receptor antagonists. <i>PLoS ONE</i> , <b>2011</b> , 6, e160887	3.7	96
340	Cocaine inhibits dopamine D2 receptor signaling via sigma-1-D2 receptor heteromers. <i>PLoS ONE</i> , <b>2013</b> , 8, e61245	3.7	96
339	The adenosine A2A receptor interacts with the actin-binding protein alpha-actinin. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 37545-52	5.4	95
338	Working memory deficits in transgenic rats overexpressing human adenosine A2A receptors in the brain. <i>Neurobiology of Learning and Memory</i> , <b>2007</b> , 87, 42-56	3.1	94
337	Adenosine receptor-mediated modulation of dopamine release in the nucleus accumbens depends on glutamate neurotransmission and N-methyl-D-aspartate receptor stimulation. <i>Journal of Neurochemistry</i> , <b>2004</b> , 91, 873-80	6	94
336	A1R-A2AR heteromers coupled to Gs and Gi/o proteins modulate GABA transport into astrocytes. <i>Purinergic Signalling</i> , <b>2013</b> , 9, 433-49	3.8	93
335	Binding and Signaling Studies Disclose a Potential Allosteric Site for Cannabidiol in Cannabinoid CB Receptors. <i>Frontiers in Pharmacology</i> , <b>2017</b> , 8, 744	5.6	93
334	Group I metabotropic glutamate receptors mediate a dual role of glutamate in T cell activation. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 33352-8	5.4	91
333	Adenosine-cannabinoid receptor interactions. Implications for striatal function. <i>British Journal of Pharmacology</i> , <b>2010</b> , 160, 443-53	8.6	90
332	Quaternary structure of a G-protein-coupled receptor heterotetramer in complex with Gi and Gs. <i>BMC Biology</i> , <b>2016</b> , 14, 26	7.3	88
331	Immunodensity and mRNA expression of A2A adenosine, D2 dopamine, and CB1 cannabinoid receptors in postmortem frontal cortex of subjects with schizophrenia: effect of antipsychotic treatment. <i>Psychopharmacology</i> , <b>2009</b> , 206, 313-24	4.7	88
330	Adenosine deaminase and A1 adenosine receptors internalize together following agonist-induced receptor desensitization. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 17610-7	5.4	88
329	Interactions between intracellular domains as key determinants of the quaternary structure and function of receptor heteromers. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 27346-27359	5.4	86
328	Detection of heteromers formed by cannabinoid CB1, dopamine D2, and adenosine A2A G-protein-coupled receptors by combining bimolecular fluorescence complementation and bioluminescence energy transfer. <i>Scientific World Journal, The</i> , <b>2008</b> , 8, 1088-97	2.2	85
327	Detection of higher-order G protein-coupled receptor oligomers by a combined BRET-BiFC technique. <i>FEBS Letters</i> , <b>2008</b> , 582, 2979-84	3.8	82
326	Basic Pharmacological and Structural Evidence for Class A G-Protein-Coupled Receptor Heteromerization. <i>Frontiers in Pharmacology</i> , <b>2016</b> , 7, 76	5.6	82
325	Heteromerization of GPR55 and cannabinoid CB2 receptors modulates signalling. <i>British Journal of Pharmacology</i> , <b>2014</b> , 171, 5387-406	8.6	81

324	Targeting Cannabinoid CB2 Receptors in the Central Nervous System. Medicinal Chemistry Approaches with Focus on Neurodegenerative Disorders. <i>Frontiers in Neuroscience</i> , <b>2016</b> , 10, 406	5.1	79
323	Involvement of adenosine A2A and dopamine receptors in the locomotor and sensitizing effects of cocaine. <i>Brain Research</i> , <b>2006</b> , 1077, 67-80	3.7	78
322	Ligand-induced phosphorylation, clustering, and desensitization of A1 adenosine receptors. <i>Molecular Pharmacology</i> , <b>1997</b> , 52, 788-97	4.3	77
321	Comodulation of CXCR4 and CD26 in human lymphocytes. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 19532-9	5.4	77
320	Involvement of Caveolin in Ligand-Induced Recruitment and Internalization of A1 Adenosine Receptor and Adenosine Deaminase in an Epithelial Cell Line. <i>Molecular Pharmacology</i> , <b>2001</b> , 59, 1314-1323	4.3	77
319	Looking for the role of cannabinoid receptor heteromers in striatal function. <i>Neuropharmacology</i> , <b>2009</b> , 56 Suppl 1, 226-34	5.5	73
318	Use of implicit methods from general sensitivity theory to develop a systematic approach to metabolic control. II. Complex systems. <i>Mathematical Biosciences</i> , <b>1989</b> , 94, 289-309	3.9	72
317	Adenosine receptor heteromers and their integrative role in striatal function. <i>Scientific World Journal, The</i> , <b>2007</b> , 7, 74-85	2.2	71
316	Heterodimeric adenosine receptors: a device to regulate neurotransmitter release. <i>Cellular and Molecular Life Sciences</i> , <b>2006</b> , 63, 2427-31	10.3	71
315	The two-state dimer receptor model: a general model for receptor dimers. <i>Molecular Pharmacology</i> , <b>2006</b> , 69, 1905-12	4.3	71
314	Detection of cannabinoid receptors CB1 and CB2 within basal ganglia output neurons in macaques: changes following experimental parkinsonism. <i>Brain Structure and Function</i> , <b>2015</b> , 220, 2721-38	4	70
313	Basic concepts in G-protein-coupled receptor homo- and heterodimerization. <i>Scientific World Journal, The</i> , <b>2007</b> , 7, 48-57	2.2	70
312	Regulation of heptaspanning-membrane-receptor function by dimerization and clustering. <i>Trends in Biochemical Sciences</i> , <b>2003</b> , 28, 238-43	10.3	70
311	Up-regulation of the Kv3.4 potassium channel subunit in early stages of Alzheimer's disease. <i>Journal of Neurochemistry</i> , <b>2004</b> , 91, 547-57	6	68
310	Potentiation of ATP calcium responses by A2B receptor stimulation and other signals coupled to Gs proteins in type-1 cerebellar astrocytes. <i>Glia</i> , <b>1999</b> , 26, 119-128	9	68
309	Use of implicit methods from general sensitivity theory to develop a systematic approach to metabolic control. I. Unbranched pathways. <i>Mathematical Biosciences</i> , <b>1989</b> , 94, 271-88	3.9	66
308	Receptor-heteromer mediated regulation of endocannabinoid signaling in activated microglia. Role of CB and CB receptors and relevance for Alzheimer's disease and levodopa-induced dyskinesia. <i>Brain, Behavior, and Immunity</i> , <b>2018</b> , 67, 139-151	16.6	65
307	Mitochondrial angiotensin receptors in dopaminergic neurons. Role in cell protection and aging-related vulnerability to neurodegeneration. <i>Cell Death and Disease</i> , <b>2016</b> , 7, e2427	9.8	65

306	A First-in-Class Small-Molecule that Acts as a Dual Inhibitor of HDAC and PDE5 and that Rescues Hippocampal Synaptic Impairment in Alzheimer's Disease Mice. <i>Neuropsychopharmacology</i> , <b>2017</b> , 42, 524-539	8.7	65
305	Decreased levels of guanosine 3', 5'-monophosphate (cGMP) in cerebrospinal fluid (CSF) are associated with cognitive decline and amyloid pathology in Alzheimer's disease. <i>Neuropathology and Applied Neurobiology</i> , <b>2015</b> , 41, 471-82	5.2	65
304	GPCR homomers and heteromers: a better choice as targets for drug development than GPCR monomers?. <i>Pharmacology &amp; Therapeutics</i> , <b>2009</b> , 124, 248-57	13.9	65
303	The relevance of theobromine for the beneficial effects of cocoa consumption. <i>Frontiers in Pharmacology</i> , <b>2015</b> , 6, 30	5.6	64
302	L-DOPA disrupts adenosine A(2A)-cannabinoid CB(1)-dopamine D(2) receptor heteromer cross-talk in the striatum of hemiparkinsonian rats: biochemical and behavioral studies. <i>Experimental Neurology</i> , <b>2014</b> , 253, 180-91	5.7	64
301	L-DOPA-treatment in primates disrupts the expression of A(2A) adenosine-CB(1) cannabinoid-D(2) dopamine receptor heteromers in the caudate nucleus. <i>Neuropharmacology</i> , <b>2014</b> , 79, 90-100	5.5	64
300	Dopamine D4 receptor, but not the ADHD-associated D4.7 variant, forms functional heteromers with the dopamine D2S receptor in the brain. <i>Molecular Psychiatry</i> , <b>2012</b> , 17, 650-62	15.1	64
299	Role of electrostatic interaction in receptor-receptor heteromerization. <i>Journal of Molecular Neuroscience</i> , <b>2005</b> , 26, 125-32	3.3	64
298	Ligand-induced caveolae-mediated internalization of A1 adenosine receptors: morphological evidence of endosomal sorting and receptor recycling. <i>Experimental Cell Research</i> , <b>2003</b> , 285, 72-90	4.2	62
297	Striatal plasticity at the network level. Focus on adenosine A2A and D2 interactions in models of Parkinson's Disease. <i>Parkinsonism and Related Disorders</i> , <b>2004</b> , 10, 273-80	3.6	62
296	Heterogeneous localization of some purine enzymes in subcellular fractions of rat brain and cerebellum. <i>Neurochemical Research</i> , <b>1986</b> , 11, 423-35	4.6	62
295	Old and new ways to calculate the affinity of agonists and antagonists interacting with G-protein-coupled monomeric and dimeric receptors: the receptor-dimer cooperativity index <b>2007</b> , 116, 343-54		61
294	The heat shock cognate protein hsc73 assembles with A(1) adenosine receptors to form functional modules in the cell membrane. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 5164-74	4.8	61
293	CB1 and GPR55 receptors are co-expressed and form heteromers in rat and monkey striatum. <i>Experimental Neurology</i> , <b>2014</b> , 261, 44-52	5.7	60
292	Receptor-receptor interactions involving adenosine A1 or dopamine D1 receptors and accessory proteins. <i>Journal of Neural Transmission</i> , <b>2007</b> , 114, 93-104	4.3	60
291	Solubilization of A1 adenosine receptor from pig brain: characterization and evidence of the role of the cell membrane on the coexistence of high- and low-affinity states. <i>Journal of Neuroscience Research</i> , <b>1990</b> , 26, 461-73	4.4	60
290	Dimer-based model for heptaspanning membrane receptors. <i>Trends in Biochemical Sciences</i> , <b>2005</b> , 30, 360-6	10.3	59
289	Cannabigerol Action at Cannabinoid CB and CB Receptors and at CB-CB Heteroreceptor Complexes. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 632	5.6	58

288	Monoacylglycerol lipase inhibitor JZL184 is neuroprotective and alters glial cell phenotype in the chronic MPTP mouse model. <i>Neurobiology of Aging</i> , <b>2014</b> , 35, 2603-2616	5.6	55
287	Real-world clinical experience with long-term miglustat maintenance therapy in type 1 Gaucher disease: the ZAGAL project. <i>Haematologica</i> , <b>2009</b> , 94, 1771-5	6.6	55
286	Heteromeric nicotinic acetylcholine-dopamine autoreceptor complexes modulate striatal dopamine release. <i>Neuropsychopharmacology</i> , <b>2007</b> , 32, 35-42	8.7	55
285	Adenosine A receptor ligand recognition and signaling is blocked by A receptors. <i>Oncotarget</i> , <b>2018</b> , 9, 13593-13611	3.3	55
284	Adenosine A2A receptors are expressed in human atrial myocytes and modulate spontaneous sarcoplasmic reticulum calcium release. <i>Cardiovascular Research</i> , <b>2006</b> , 72, 292-302	9.9	54
283	Interactions between calmodulin, adenosine A2A, and dopamine D2 receptors. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 28058-28068	5.4	53
282	Adenosine deaminase interacts with A1 adenosine receptors in pig brain cortical membranes. <i>Journal of Neurochemistry</i> , <b>1996</b> , 66, 1675-82	6	53
281	Abnormal calcium handling in atrial fibrillation is linked to up-regulation of adenosine A2A receptors. <i>European Heart Journal</i> , <b>2011</b> , 32, 721-9	9.5	52
280	Interactions among adenosine deaminase, adenosine A(1) receptors and dopamine D(1) receptors in stably cotransfected fibroblast cells and neurons. <i>Neuroscience</i> , <b>2002</b> , 113, 709-19	3.9	51
279	Cannabidiol skews biased agonism at cannabinoid CB and CB receptors with smaller effect in CB-CB heteroreceptor complexes. <i>Biochemical Pharmacology</i> , <b>2018</b> , 157, 148-158	6	51
278	Structures for G-Protein-Coupled Receptor Tetramers in Complex with G Proteins. <i>Trends in Biochemical Sciences</i> , <b>2015</b> , 40, 548-551	10.3	50
277	Calcium mobilization in Jurkat cells via A2b adenosine receptors. <i>British Journal of Pharmacology</i> , <b>1997</b> , 122, 1075-82	8.6	50
276	G-protein-coupled receptor heteromers: function and ligand pharmacology. <i>British Journal of Pharmacology</i> , <b>2008</b> , 153 Suppl 1, S90-8	8.6	50
275	Neurologic improvement in a type 3 Gaucher disease patient treated with imiglucerase/miglustat combination. <i>Epilepsia</i> , <b>2007</b> , 48, 1406-8	6.4	49
274	Molecular mechanisms involved in the adenosine A and A receptor-induced neuronal differentiation in neuroblastoma cells and striatal primary cultures. <i>Journal of Neurochemistry</i> , <b>2005</b> , 92, 337-48	6	48
273	ATP-sensitive K(+) channels regulate the concentrative adenosine transporter CNT2 following activation by A(1) adenosine receptors. <i>Molecular and Cellular Biology</i> , <b>2004</b> , 24, 2710-9	4.8	47
272	Purinergic signaling in Parkinson's disease. Relevance for treatment. <i>Neuropharmacology</i> , <b>2016</b> , 104, 161-8	5.5	46
271	Cross-communication between G and G in a G-protein-coupled receptor heterotetramer guided by a receptor C-terminal domain. <i>BMC Biology</i> , <b>2018</b> , 16, 24	7.3	45



270	GPR55: A therapeutic target for Parkinson's disease?. <i>Neuropharmacology</i> , <b>2017</b> , 125, 319-332	5.5	45
269	Increase in A2A receptors in the nucleus accumbens after extended cocaine self-administration and its disappearance after cocaine withdrawal. <i>Brain Research</i> , <b>2007</b> , 1143, 208-20	3.7	45
268	Allosteric modulation of dopamine D2 receptors by homocysteine. <i>Journal of Proteome Research</i> , <b>2006</b> , 5, 3077-83	5.6	45
267	Dopamine D2 and angiotensin II type 1 receptors form functional heteromers in rat striatum. <i>Biochemical Pharmacology</i> , <b>2015</b> , 96, 131-42	6	44
266	Chronic mild stress accelerates the onset and progression of the Alzheimer's disease phenotype in Tg2576 mice. <i>Journal of Alzheimer's Disease</i> , <b>2012</b> , 28, 567-78	4.3	44
265	Enzymatic and extraenzymatic role of adenosine deaminase 1 in T-cell-dendritic cell contacts and in alterations of the immune function. <i>Critical Reviews in Immunology</i> , <b>2007</b> , 27, 495-509	1.8	44
264	Reinforcing and neurochemical effects of cannabinoid CB1 receptor agonists, but not cocaine, are altered by an adenosine A2A receptor antagonist. <i>Addiction Biology</i> , <b>2011</b> , 16, 405-15	4.6	43
263	Adenosine deaminase potentiates the generation of effector, memory, and regulatory CD4+ T cells. <i>Journal of Leukocyte Biology</i> , <b>2011</b> , 89, 127-36	6.5	42
262	Phenylbutyrate is a multifaceted drug that exerts neuroprotective effects and reverses the Alzheimer's disease-like phenotype of a commonly used mouse model. <i>Current Pharmaceutical Design</i> , <b>2013</b> , 19, 5076-84	3.3	42
261	G protein-coupled receptor heteromers as new targets for drug development. <i>Progress in Molecular Biology and Translational Science</i> , <b>2010</b> , 91, 41-52	4	40
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