

Roberto Maggio

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9305624/publications.pdf>

Version: 2024-02-01

85
papers

2,753
citations

159358

30
h-index

205818

48
g-index

87
all docs

87
docs citations

87
times ranked

2663
citing authors

#	ARTICLE	IF	CITATIONS
1	D2/D3 Dopamine Receptor Heterodimers Exhibit Unique Functional Properties. <i>Journal of Biological Chemistry</i> , 2001, 276, 30308-30314.	1.6	196
2	Nicotine Prevents Experimental Parkinsonism in Rodents and Induces Striatal Increase of Neurotrophic Factors. <i>Journal of Neurochemistry</i> , 1998, 71, 2439-2446.	2.1	187
3	Molecular targets of atypical antipsychotics: From mechanism of action to clinical differences. , 2018, 192, 20-41.		140
4	Reconstitution of functional muscarinic receptors by co-expression of amino- and carboxyl-terminal receptor fragments. <i>FEBS Letters</i> , 1993, 319, 195-200.	1.3	115
5	Functional Role of the Third Cytoplasmic Loop in Muscarinic Receptor Dimerization. <i>Journal of Biological Chemistry</i> , 1996, 271, 31055-31060.	1.6	90
6	The impact of G-protein-coupled receptor hetero-oligomerization on function and pharmacology. <i>FEBS Journal</i> , 2005, 272, 2939-2946.	2.2	82
7	Genetic Deletion of Trace Amine 1 Receptors Reveals Their Role in Auto-Inhibiting the Actions of Ecstasy (MDMA). <i>Journal of Neuroscience</i> , 2011, 31, 16928-16940.	1.7	80
8	Atypical Antipsychotics and Metabolic Syndrome: From Molecular Mechanisms to Clinical Differences. <i>Pharmaceuticals</i> , 2021, 14, 238.	1.7	80
9	Temporal and Spatial Patterns of Expression of c-fos, zif/268, c-jun and jun-B mRNAs in Rat Brain Following Seizures Evoked Focally from the Deep Prepiriform Cortex. <i>Experimental Neurology</i> , 1993, 119, 20-31.	2.0	77
10	Dopamine D2/D3 receptor heteromers: pharmacological properties and therapeutic significance. <i>Current Opinion in Pharmacology</i> , 2010, 10, 100-107.	1.7	72
11	Seizures evoked from area tempestas are subject to control by GABA and glutamate receptors in substantia nigra. <i>Experimental Neurology</i> , 1989, 105, 184-188.	2.0	69
12	Potent activation of dopamine D3/D2 heterodimers by the antiparkinsonian agents, S32504, pramipexole and ropinirole. <i>Journal of Neurochemistry</i> , 2003, 87, 631-641.	2.1	69
13	Inhibition of nitric oxide synthase dramatically potentiates seizures induced by kainic acid and pilocarpine in rats. <i>Brain Research</i> , 1995, 679, 184-187. S33138	1.1	66
14	A Preferential Dopamine D ₃ versus D ₂ Receptor Antagonist and Potential Antipsychotic Agent: I. Receptor-Binding Profile and Functional Actions at G-Protein-Coupled Receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 324, 587-599.	1.3	61
15	Revealing G-protein-coupled receptor oligomerization at the single-molecule level through a nanoscopic lens: methods, dynamics and biological function. <i>FEBS Journal</i> , 2016, 283, 1197-1217.	2.2	61
16	Heterodimerization of dopamine receptors: new insights into functional and therapeutic significance. <i>Parkinsonism and Related Disorders</i> , 2009, 15, S2-S7.	1.1	60
17	The Tetrahydroisoquinoline Derivative SB269,652 Is an Allosteric Antagonist at Dopamine D ₃ and D ₂ Receptors. <i>Molecular Pharmacology</i> , 2010, 78, 925-934.	1.0	57
18	Stimulatory role of dopamine on fibroblast growth factor-2 expression in rat striatum. <i>Journal of Neurochemistry</i> , 2001, 76, 990-997.	2.1	48

#	ARTICLE	IF	CITATIONS
19	Blockade of GABA receptors in superior colliculus protects against focally evoked limbic motor seizures. <i>Brain Research</i> , 1993, 603, 279-283.	1.1	47
20	Binding profile of the selective muscarinic receptor antagonist triptiramine. <i>European Journal of Pharmacology</i> , 1994, 268, 459-462.	2.7	46
21	Partial agonist actions of aripiprazole and the candidate antipsychotics S33592, bifeprunox, N-desmethylclozapine and preclamol at dopamine D2 receptors are modified by co-transfection of D3 receptors: potential role of heterodimer formation. <i>Journal of Neurochemistry</i> , 2007, 102, 1410-1424.	2.1	45
22	Bright light exposure reduces TH-positive dopamine neurons: implications of light pollution in Parkinson's disease epidemiology. <i>Scientific Reports</i> , 2013, 3, 1395.	1.6	44
23	Lack of proconvulsant action of GABA depletion in substantia nigra in several seizure models. <i>Brain Research</i> , 1991, 547, 1-6.	1.1	42
24	Expression of c-fos mRNA Following Seizures Evoked from an Epileptogenic Site in the Deep Prepiriform Cortex: Regional Distribution in Brain as Shown by in Situ Hybridization. <i>Experimental Neurology</i> , 1993, 119, 11-19.	2.0	42
25	Paired Activation of Two Components within Muscarinic M3 Receptor Dimers Is Required for Recruitment of β -Arrestin-1 to the Plasma Membrane. <i>Journal of Biological Chemistry</i> , 2005, 280, 19768-19776.	1.6	42
26	G protein-coupled receptor oligomerization provides the framework for signal discrimination. <i>Journal of Neurochemistry</i> , 2007, 103, 1741-1752.	2.1	42
27	The Paired Activation of the Two Components of the Muscarinic M3 Receptor Dimer Is Required for Induction of ERK1/2 Phosphorylation. <i>Journal of Biological Chemistry</i> , 2004, 279, 7476-7486.	1.6	38
28	The Thyroid Disruptor 1,1,1-Trichloro-2,2-Bis(p-Chlorophenyl)-Ethane Appears to Be an Uncompetitive Inverse Agonist for the Thyrotropin Receptor. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 320, 465-474.	1.3	34
29	Novel dimensions of D3 receptor function: Focus on heterodimerisation, transactivation and allosteric modulation. <i>European Neuropsychopharmacology</i> , 2015, 25, 1470-1479.	0.3	34
30	The First Negative Allosteric Modulator for Dopamine D ₂ and D ₃ Receptors, SB269652 May Lead to a New Generation of Antipsychotic Drugs. <i>Molecular Pharmacology</i> , 2017, 91, 586-594.	1.0	33
31	(+)MK-801 prevents the DDC-induced enhancement of MPTP toxicity in mice. <i>Brain Research</i> , 1994, 668, 194-203.	1.1	30
32	A quantitative analysis of antidepressant and antipsychotic prescriptions following an earthquake in Italy. <i>Journal of Traumatic Stress</i> , 2011, 24, 129-132.	1.0	30
33	Pharmacological targeting of the ephrin receptor kinase signalling by GLPG1790 in vitro and in vivo reverts oncophenotype, induces myogenic differentiation and radiosensitizes embryonal rhabdomyosarcoma cells. <i>Journal of Hematology and Oncology</i> , 2017, 10, 161.	6.9	29
34	Dopamine D2 Receptors Dimers: How can we Pharmacologically Target Them?. <i>Current Neuropharmacology</i> , 2018, 16, 222-230.	1.4	27
35	Histone deacetylase inhibitor ITF2357 (givinostat) reverts transformed phenotype and counteracts stemness in in vitro and in vivo models of human glioblastoma. <i>Journal of Cancer Research and Clinical Oncology</i> , 2019, 145, 393-409.	1.2	25
36	Selective stimulation of kainate but not quisqualate or NMDA receptors in substantia nigra evokes limbic motor seizures. <i>Brain Research</i> , 1990, 528, 223-230.	1.1	24

#	ARTICLE	IF	CITATIONS
37	Reconstitution of functional dopamine D2s receptor by co-expression of amino- and carboxyl-terminal receptor fragments. <i>European Journal of Pharmacology</i> , 2000, 397, 291-296.	1.7	24
38	Pro-differentiating and radiosensitizing effects of inhibiting HDACs by PXD-101 (Belinostat) in in vitro and in vivo models of human rhabdomyosarcoma cell lines. <i>Cancer Letters</i> , 2019, 461, 90-101.	3.2	22
39	Presence of a putative steroidal allosteric site on glycoprotein hormone receptors. <i>European Journal of Pharmacology</i> , 2009, 623, 155-159.	1.7	21
40	Fluorescent light induces neurodegeneration in the rodent nigrostriatal system but near infrared LED light does not. <i>Brain Research</i> , 2017, 1662, 87-101.	1.1	20
41	Clinically relevant radioresistant rhabdomyosarcoma cell lines: functional, molecular and immune-related characterization. <i>Journal of Biomedical Science</i> , 2020, 27, 90.	2.6	18
42	Increase in mortality rate in patients with dementia treated with atypical antipsychotics: a cohort study in outpatients in Central Italy. <i>Rivista Di Psichiatria</i> , 2014, 49, 34-40.	0.6	17
43	Neurotoxic and Neuroprotective Role of Exosomes in Parkinson's Disease. <i>Current Pharmaceutical Design</i> , 2020, 25, 4510-4522.	0.9	17
44	Stereoselective inhibition of muscarinic receptor subtypes by the eight stereoisomers related to rocovirine. <i>European Journal of Pharmacology</i> , 1995, 290, 125-132.	2.7	16
45	l-Deprenyl fails to protect mesencephalic dopamine neurons and PC12 cells from the neurotoxic effect of 1-methyl-4-phenylpyridinium ion. <i>Brain Research</i> , 1996, 741, 68-74.	1.1	16
46	Differential induction of adenylyl cyclase supersensitivity by antiparkinson drugs acting as agonists at dopamine D1/D2/D3 receptors vs D2/D3 receptors only: Parallel observations from co-transfected human and native cerebral receptors. <i>Neuropharmacology</i> , 2011, 60, 439-445.	2.0	16
47	Allosteric Modulators of G Protein-Coupled Dopamine and Serotonin Receptors: A New Class of Atypical Antipsychotics. <i>Pharmaceuticals</i> , 2020, 13, 388.	1.7	16
48	The atypical antipsychotic clozapine selectively inhibits interleukin 8 (IL-8)-induced neutrophil chemotaxis. <i>European Neuropsychopharmacology</i> , 2015, 25, 413-424.	0.3	15
49	MS-275 (Entinostat) Promotes Radio-Sensitivity in PAX3-FOXO1 Rhabdomyosarcoma Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10671.	1.8	14
50	A New Threat to Dopamine Neurons: The Downside of Artificial Light. <i>Neuroscience</i> , 2020, 432, 216-228.	1.1	13
51	Romidepsin (FK228) fails in counteracting the transformed phenotype of rhabdomyosarcoma cells but efficiently radiosensitizes, in vitro and in vivo, the alveolar phenotype subtype. <i>International Journal of Radiation Biology</i> , 2021, 97, 943-957.	1.0	13
52	Sodium Nitroprusside Induces Internalization of Muscarinic Receptors Stably Expressed in Chinese Hamster Ovary Cell Lines. <i>Journal of Neurochemistry</i> , 2002, 65, 943-946.	2.1	12
53	Dextromethorphan prevents the diethylthiocarbamate enhancement of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine toxicity in mice. <i>Brain Research</i> , 2003, 973, 298-302.	1.1	12
54	High affinity binding sites for 1-methyl-4-phenyl-pyridinium ion (MPP+) are present in mouse brain. <i>European Journal of Pharmacology</i> , 1986, 129, 87-92.	1.7	11

#	ARTICLE	IF	CITATIONS
55	Apomorphine, dopamine and phenylethylamine reduce the proportion of phosphorylated insulin receptor substrate 1. <i>European Journal of Pharmacology</i> , 2001, 433, 47-54.	1.7	11
56	Receptor crosstalk: haloperidol treatment enhances A2A adenosine receptor functioning in a transfected cell model. <i>Purinergic Signalling</i> , 2010, 6, 373-381.	1.1	10
57	Experimental Strategies for Studying G Protein-Coupled Receptor Homo- and Heteromerization with Radioligand Binding and Signal Transduction Methods. <i>Methods in Enzymology</i> , 2013, 521, 295-310.	0.4	10
58	Parkinson's disease and light: The bright and the Dark sides. <i>Brain Research Bulletin</i> , 2019, 150, 290-296.	1.4	10
59	Is Adult Hippocampal Neurogenesis Really Relevant for the Treatment of Psychiatric Disorders?. <i>Current Neuropharmacology</i> , 2021, 19, 1640-1660.	1.4	10
60	Antagonist binding profile of the split chimeric muscarinic m2-trunc/m3-tail receptor. <i>European Journal of Pharmacology</i> , 1998, 355, 267-274.	1.7	9
61	The insecticide 1,1,1-trichloro-2,2-bis(p-chlorophenyl) ethane (DDT) alters the membrane raft location of the TSH receptor stably expressed in Chinese hamster ovary cells. <i>Toxicology and Applied Pharmacology</i> , 2011, 253, 121-129.	1.3	9
62	Antitumorigenic Effects of Inhibiting Ephrin Receptor Kinase Signaling by GLPG1790 against Colorectal Cancer Cell Lines <i>in Vitro</i> and <i>in Vivo</i> . <i>Journal of Oncology</i> , 2020, 2020, 1-16.	0.6	9
63	Role of excitatory amino-acids in diethylthiocarbamate-induced cell death in mesencephalic cultures. <i>Brain Research</i> , 1995, 674, 127-132.	1.1	8
64	Receptor Oligomerization as a Process Modulating Cellular Semiotics. <i>Biosemitotics</i> , 2010, 3, 157-176.	0.8	8
65	Variants of G protein-coupled receptors: a reappraisal of their role in receptor regulation. <i>Biochemical Society Transactions</i> , 2016, 44, 589-594.	1.6	8
66	Dichlorodiphenyltrichloroethane (DDT) induced extracellular vesicle formation: a potential role in organochlorine increased risk of Parkinson's disease. <i>Acta Neurobiologiae Experimentalis</i> , 2017, 77, 113-117.	0.4	8
67	Dopamine agonists and analogues have an antiproliferative effect on CHO-K1 cells. <i>Neurotoxicity Research</i> , 1999, 1, 285-297.	1.3	7
68	Functional rescue of the inactive splice variant of the dopamine D3 receptor D3nf. <i>Brain Research</i> , 2003, 987, 244-247.	1.1	7
69	Dysbindin-1 modifies signaling and cellular localization of recombinant, human D ₃ and D ₂ receptors. <i>Journal of Neurochemistry</i> , 2016, 136, 1037-1051.	2.1	7
70	Motor expression of kainic acid seizures is attenuated by dopamine depletion in mice. <i>Brain Research</i> , 1994, 657, 269-274.	1.1	6
71	An Unusual Form of the Association Binding Kinetics of N-[3H]Methylscopolamine to the Split Muscarinic M2trunc/M2tail Receptor. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 305, 786-795.	1.3	6
72	Are Olfactory Receptors Really Olfactive?. <i>Biosemitotics</i> , 2011, 4, 331-347.	0.8	6

#	ARTICLE	IF	CITATIONS
73	Eyes as Gateways for Environmental Light to the Substantia Nigra: Relevance in Parkinson's Disease. <i>Scientific World Journal</i> , The, 2014, 2014, 1-7.	0.8	6
74	Partial agonist actions at dopamine D2L receptors are modified by co-transfection of D3 receptors: Potential role of heterodimer formation. <i>Parkinsonism and Related Disorders</i> , 2008, 14, S139-S144.	1.1	5
75	Distinctive binding properties of the negative allosteric modulator, [³ H]SB269,652, at recombinant dopamine D3 receptors. <i>European Journal of Pharmacology</i> , 2018, 819, 181-189.	1.7	5
76	A 5-Year Study of Lithium and Valproic Acid Drug Monitoring in Patients with Bipolar Disorders in an Italian Clinical Center. <i>Pharmaceuticals</i> , 2022, 15, 105.	1.7	5
77	Integration and Spatial Organization of Signaling by G Protein-Coupled Receptor Homo- and Heterodimers. <i>Biomolecules</i> , 2021, 11, 1828.	1.8	5
78	β2-Cells Different Vulnerability to the Parkinsonian Neurotoxins Rotenone, 1-Methyl-4-phenylpyridinium (MPP+) and 6-Hydroxydopamine (6-OHDA). <i>Pharmaceuticals</i> , 2021, 14, 767.	1.7	4
79	Deoxamuscariroxime derivatives as useful muscarinic agonists to explore the muscarinic subsite. <i>Life Sciences</i> , 2002, 70, 1427-1446.	2.0	3
80	Semiotic Selection of Mutated or Misfolded Receptor Proteins. <i>Biosemiotics</i> , 2013, 6, 177-190.	0.8	3
81	Nitric oxide synthase inhibition reverts muscarinic receptor down-regulation induced by pilocarpine- and kainic acid-evoked seizures in rat fronto-parietal cortex. <i>Epilepsy Research</i> , 2014, 108, 11-19.	0.8	3
82	Heterodimerization of G-Protein-Coupled Receptors Reveals an Unexpected Level of Pharmacological Diversity. <i>Medicinal Chemistry Research</i> , 2004, 13, 25-33.	1.1	2
83	Historical Perspectives: From Monomers to Dimers and Beyond, an Exciting Journey in the World of G Protein-Coupled Receptors. , 2017, , 3-14.		2
84	Polyamines May Modulate Both G Protein-Coupled Receptors and G Proteins. <i>Medicinal Chemistry Research</i> , 2004, 13, 63-73.	1.1	1
85	Interaction of the preferential D3 agonist (+)PHNO with dopamine D3-D2 receptor heterodimers and diverse classes of monoamine receptor: relevance for PET imaging. <i>European Journal of Pharmacology</i> , 2022, 925, 175016.	1.7	0