

Javier González-Maeso

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

4,717
citations

201674

27
h-index

133252

59
g-index

68
all docs

68
docs citations

68
times ranked

3994
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of a serotonin/glutamate receptor complex implicated in psychosis. <i>Nature</i> , 2008, 452, 93-97.	27.8	739
2	Hallucinogens Recruit Specific Cortical 5-HT _{2A} Receptor-Mediated Signaling Pathways to Affect Behavior. <i>Neuron</i> , 2007, 53, 439-452.	8.1	692
3	Cortical 5-HT _{2A} Receptor Signaling Modulates Anxiety-Like Behaviors in Mice. <i>Science</i> , 2006, 313, 536-540.	12.6	375
4	Decoding the Signaling of a GPCR Heteromeric Complex Reveals a Unifying Mechanism of Action of Antipsychotic Drugs. <i>Cell</i> , 2011, 147, 1011-1023.	28.9	271
5	Transcriptome Fingerprints Distinguish Hallucinogenic and Nonhallucinogenic 5-Hydroxytryptamine 2A Receptor Agonist Effects in Mouse Somatosensory Cortex. <i>Journal of Neuroscience</i> , 2003, 23, 8836-8843.	3.6	252
6	HDAC2 regulates atypical antipsychotic responses through the modulation of mGlu2 promoter activity. <i>Nature Neuroscience</i> , 2012, 15, 1245-1254.	14.8	247
7	Metabotropic glutamate mGlu2 receptor is necessary for the pharmacological and behavioral effects induced by hallucinogenic 5-HT _{2A} receptor agonists. <i>Neuroscience Letters</i> , 2011, 493, 76-79.	2.1	210
8	Psychedelics and schizophrenia. <i>Trends in Neurosciences</i> , 2009, 32, 225-232.	8.6	166
9	Hallucinogens and Serotonin 5-HT _{2A} Receptor-Mediated Signaling Pathways. <i>Current Topics in Behavioral Neurosciences</i> , 2017, 36, 45-73.	1.7	127
10	Animal Models of Serotonergic Psychedelics. <i>ACS Chemical Neuroscience</i> , 2013, 4, 33-42.	3.5	126
11	Identification of Three Residues Essential for 5-Hydroxytryptamine 2A-Metabotropic Glutamate 2 (5-HT _{2A} -mGlu2) Receptor Heteromerization and Its Psychoactive Behavioral Function. <i>Journal of Biological Chemistry</i> , 2012, 287, 44301-44319.	3.4	122
12	Allosteric signaling through an mGlu2 and 5-HT _{2A} heteromeric receptor complex and its potential contribution to schizophrenia. <i>Science Signaling</i> , 2016, 9, ra5.	3.6	91
13	Prolonged epigenomic and synaptic plasticity alterations following single exposure to a psychedelic in mice. <i>Cell Reports</i> , 2021, 37, 109836.	6.4	82
14	Antipsychotic-induced Hdac2 transcription via NF- κ B leads to synaptic and cognitive side effects. <i>Nature Neuroscience</i> , 2017, 20, 1247-1259.	14.8	79
15	GPCR oligomers in pharmacology and signaling. <i>Molecular Brain</i> , 2011, 4, 20.	2.6	77
16	Agonist-Trafficking and Hallucinogens. <i>Current Medicinal Chemistry</i> , 2009, 16, 1017-1027.	2.4	69
17	Evaluation of 5-HT _{2A} and mGlu2/3 receptors in postmortem prefrontal cortex of subjects with major depressive disorder: Effect of antidepressant treatment. <i>Neuropharmacology</i> , 2014, 86, 311-318.	4.1	63
18	Structural and Biophysical Mechanisms of Class C G Protein-Coupled Receptor Function. <i>Trends in Biochemical Sciences</i> , 2020, 45, 1049-1064.	7.5	55

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19	Contribution of heteromerization to G protein-coupled receptor function. <i>Current Opinion in Pharmacology</i> , 2017, 32, 23-31.	3.5	51
20	Epigenetic signaling in schizophrenia. <i>Cellular Signalling</i> , 2015, 27, 2131-2136.	3.6	49
21	Positive allosteric modulators of metabotropic glutamate 2 receptors in schizophrenia treatment. <i>Trends in Neurosciences</i> , 2015, 38, 506-516.	8.6	48
22	Posttraumatic stress disorder is associated with altered gut microbiota that modulates cognitive performance in veterans with cirrhosis. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, G661-G669.	3.4	47
23	Repressive Epigenetic Changes at the <i>mGlu2</i> Promoter in Frontal Cortex of 5-HT _{2A} Knockout Mice. <i>Molecular Pharmacology</i> , 2013, 83, 1166-1175.	2.3	33
24	Serotonin 5-HT _{2A} receptor expression and functionality in postmortem frontal cortex of subjects with schizophrenia: Selective biased agonism via G β 1-proteins. <i>European Neuropsychopharmacology</i> , 2019, 29, 1453-1463.	0.7	32
25	HDAC2-dependent Antipsychotic-like Effects of Chronic Treatment with the HDAC Inhibitor SAHA in Mice. <i>Neuroscience</i> , 2018, 388, 102-117.	2.3	31
26	Chronic clozapine treatment restrains via HDAC2 the performance of mGlu2 receptor agonism in a rodent model of antipsychotic activity. <i>Neuropsychopharmacology</i> , 2019, 44, 443-454.	5.4	30
27	Cell-type-specific brain methylomes profiled via ultralow-input microfluidics. <i>Nature Biomedical Engineering</i> , 2018, 2, 183-194.	22.5	29
28	Fully automated head-twitch detection system for the study of 5-HT _{2A} receptor pharmacology in vivo. <i>Scientific Reports</i> , 2019, 9, 14247.	3.3	29
29	Gut microbiota manipulation during the prepubertal period shapes behavioral abnormalities in a mouse neurodevelopmental disorder model. <i>Scientific Reports</i> , 2020, 10, 4697.	3.3	29
30	Heterotrimeric G Proteins: Insights into the Neurobiology of Mood Disorders. <i>Current Neuropharmacology</i> , 2006, 4, 127-138.	2.9	28
31	Serotonin and Glutamate Interactions in Preclinical Schizophrenia Models. <i>ACS Chemical Neuroscience</i> , 2019, 10, 3068-3077.	3.5	28
32	Interclass GPCR heteromerization affects localization and trafficking. <i>Science Signaling</i> , 2020, 13, .	3.6	28
33	G protein-coupled receptor-effector macromolecular membrane assemblies (GEMMAs)., 2022, 231, 107977.		28
34	Persistent effects of chronic clozapine on the cellular and behavioral responses to LSD in mice. <i>Psychopharmacology</i> , 2013, 225, 217-226.	3.1	26
35	Cross-signaling in metabotropic glutamate 2 and serotonin 2A receptor heteromers in mammalian cells. <i>Pflügers Archiv European Journal of Physiology</i> , 2016, 468, 775-793.	2.8	26
36	Differences in 5-HT _{2A} and mGlu2 Receptor Expression Levels and Repressive Epigenetic Modifications at the 5-HT _{2A} Promoter Region in the Roman Low- (RLA-I) and High- (RHA-I) Avoidance Rat Strains. <i>Molecular Neurobiology</i> , 2018, 55, 1998-2012.	4.0	25

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37	Automated quantification of head-twitch response in mice via ear tag reporter coupled with biphasic detection. <i>Journal of Neuroscience Methods</i> , 2020, 334, 108595.	2.5	22
38	Family a GPCR heteromers in animal models. <i>Frontiers in Pharmacology</i> , 2014, 5, 226.	3.5	18
39	Neurobehavioral and neurodevelopmental profiles of a heuristic genetic model of differential schizophrenia- and addiction-relevant features: The RHA vs. RLA rats. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 131, 597-617.	6.1	18
40	Site-Specific Incorporation of Genetically Encoded Photo-Crosslinkers Locates the Heteromeric Interface of a GPCR Complex in Living Cells. <i>Cell Chemical Biology</i> , 2020, 27, 1308-1317.e4.	5.2	17
41	Differential effects of antipsychotic and propsychotic drugs on prepulse inhibition and locomotor activity in Roman high- (RHA) and low-avoidance (RLA) rats. <i>Psychopharmacology</i> , 2017, 234, 957-975.	3.1	16
42	Dopaminergic control of ADAMTS2 expression through cAMP/CREB and ERK: molecular effects of antipsychotics. <i>Translational Psychiatry</i> , 2019, 9, 306.	4.8	16
43	Effects of the 5-HT _{2A} receptor antagonist volinanserin on head-twitch response and intracranial self-stimulation depression induced by different structural classes of psychedelics in rodents. <i>Psychopharmacology</i> , 2022, 239, 1665-1677.	3.1	16
44	Role of mGlu2 in the 5-HT _{2A} receptor-dependent antipsychotic activity of clozapine in mice. <i>Psychopharmacology</i> , 2018, 235, 3149-3165.	3.1	15
45	Molecular targets of psychedelic-induced plasticity. <i>Journal of Neurochemistry</i> , 2022, 162, 80-88.	3.9	15
46	Cell-type-specific brain methylomes profiled via ultralow-input microfluidics. <i>Nature Biomedical Engineering</i> , 2018, 2, 183-194.	22.5	15
47	Psychedelic-like Properties of Quipazine and Its Structural Analogues in Mice. <i>ACS Chemical Neuroscience</i> , 2021, 12, 831-844.	3.5	14
48	Sex-specific effects of psychedelics on prepulse inhibition of startle in 129S6/SvEv mice. <i>Psychopharmacology</i> , 2022, 239, 1649-1664.	3.1	12
49	Revised Pharmacophore Model for 5-HT _{2A} Receptor Antagonists Derived from the Atypical Antipsychotic Agent Risperidone. <i>ACS Chemical Neuroscience</i> , 2019, 10, 2318-2331.	3.5	10
50	Anxious interactions. <i>Nature Neuroscience</i> , 2010, 13, 524-526.	14.8	9
51	Reformulating a Pharmacophore for 5-HT _{2A} Serotonin Receptor Antagonists. <i>ACS Chemical Neuroscience</i> , 2016, 7, 1292-1299.	3.5	8
52	Metabotropic Glutamate Receptor 2 and Dopamine Receptor 2 Gene Expression Predict Sensorimotor Gating Response in the Genetically Heterogeneous NIH-HS Rat Strain. <i>Molecular Neurobiology</i> , 2020, 57, 1516-1528.	4.0	8
53	Hepatic Branch Vagotomy Modulates the Gut-Liver-Brain Axis in Murine Cirrhosis. <i>Frontiers in Physiology</i> , 2021, 12, 702646.	2.8	7
54	Sex-specific role for serotonin 5-HT _{2A} receptor in modulation of opioid-induced antinociception and reward in mice. <i>Neuropharmacology</i> , 2022, 209, 108988.	4.1	7

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55	Molecular and Cellular Basis of Hallucinogen Action. , 2016, , 803-812.		5
56	Hallucinogens. , 2016, , 813-820.		5
57	HSV-Mediated Transgene Expression of Chimeric Constructs to Study Behavioral Function of GPCR Heteromers in Mice. Journal of Visualized Experiments, 2016, , .	0.3	5
58	His452Tyr polymorphism in the human 5-HT2A receptor affects clozapine-induced signaling networks revealed by quantitative phosphoproteomics. Biochemical Pharmacology, 2021, 185, 114440.	4.4	5
59	Characterization of dopamine D2 receptor coupling to G proteins in postmortem brain of subjects with schizophrenia. Pharmacological Reports, 2021, 73, 1136-1146.	3.3	3
60	Validation of schizophrenia gene expression profile in a preclinical model of maternal infection during pregnancy. Schizophrenia Research, 2017, 189, 217-218.	2.0	1
61	Elucidation of molecular kinetic schemes from macroscopic traces using system identification. PLoS Computational Biology, 2017, 13, e1005376.	3.2	1
62	Atypical antipsychotic-induced <i>Hdac2</i> transcription via NF- κ B leads to synaptic and cognitive unfavourable effects. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-1-2.	0.0	0
63	An upside-down binding mode to treat psychosis. Nature Neuroscience, 2022, 25, 4-6.	14.8	0