Richard Bergeron

List of Publications by Year
in descending order

38 papers	2,360 citations	236912 25 h-index	345203 36 g-index
38 all docs	38 docs citations	38 times ranked	3089 citing authors

#	Article	IF	Citations
1	Combination of Antidepressant Medications From Treatment Initiation for Major Depressive Disorder: A Double-Blind Randomized Study. American Journal of Psychiatry, 2010, 167, 281-288.	7.2	276
2	Gene knockout of glycine transporter 1: Characterization of the behavioral phenotype. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 8485-8490.	7.1	192
3	Reduction of Endogenous Kynurenic Acid Formation Enhances Extracellular Glutamate, Hippocampal Plasticity, and Cognitive Behavior. Neuropsychopharmacology, 2010, 35, 1734-1742.	5.4	187
4	The sigma-1 receptor modulates NMDA receptor synaptic transmission and plasticity via SK channels in rat hippocampus. Journal of Physiology, 2007, 578, 143-157.	2.9	160
5	Selective Activation of Postsynaptic 5-HT1A Receptors Induces Rapid Antidepressant Response. Neuropsychopharmacology, 1997, 16, 333-338.	5.4	155
6	Glycine transporter type 1 blockade changes NMDA receptor-mediated responses and LTP in hippocampal CA1 pyramidal cells by altering extracellular glycine levels. Journal of Physiology, 2004, 557, 489-500.	2.9	153
7	Acidosis overrides oxygen deprivation to maintain mitochondrial function and cell survival. Nature Communications, 2014, 5, 3550.	12.8	141
8	NMDA Receptors Are Upregulated and Trafficked to the Plasma Membrane after Sigma-1 Receptor Activation in the Rat Hippocampus. Journal of Neuroscience, 2014, 34, 11325-11338.	3.6	99
9	Conditional Disruption of Calpain in the CNS Alters Dendrite Morphology, Impairs LTP, and Promotes Neuronal Survival following Injury. Journal of Neuroscience, 2013, 33, 5773-5784.	3.6	87
10	D-Serine differently modulates NMDA receptor function in rat CA1 hippocampal pyramidal cells and interneurons. Journal of Physiology, 2003, 548, 411-423.	2.9	78
11	Cisplatin Induces p53-Dependent FLICE-Like Inhibitory Protein Ubiquitination in Ovarian Cancer Cells. Cancer Research, 2008, 68, 4511-4517.	0.9	77
12	Target-specific modulation of the descending prefrontal cortex inputs to the dorsal raphe nucleus by cannabinoids. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5429-5434.	7.1	73
13	Modification of the N-methyl-D-aspartate response by antidepressant Ïƒ receptor ligands. European Journal of Pharmacology, 1993, 240, 319-323.	3.5	64
14	NAAG Reduces NMDA Receptor Current in CA1 Hippocampal Pyramidal Neurons of Acute Slices and Dissociated Neurons. Neuropsychopharmacology, 2005, 30, 7-16.	5.4	60
15	The effects of sigma ligands and of neuropeptide Y on Nâ€methylâ€<scp>d</scp>â€aspartateâ€induced neuronal activation of CA₃ dorsal hippocampus neurones are differentially affected by pertussin toxin. British Journal of Pharmacology, 1994, 112, 709-715.	5.4	57
16	Reduced glycine transporter type 1 expression leads to major changes in glutamatergic neurotransmission of CA1 hippocampal neurones in mice. Journal of Physiology, 2005, 563, 777-793.	2.9	45
17	NAAG, NMDA Receptor and Psychosis. Current Medicinal Chemistry, 2012, 19, 1360-1364.	2.4	41
18	Endocannabinoid signaling in hypothalamic circuits regulates arousal from general anesthesia in mice. Journal of Clinical Investigation, 2017, 127, 2295-2309.	8.2	39

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19	Endogenous N-acetylaspartylglutamate reduced NMDA receptor-dependent current neurotransmission in the CA1 area of the hippocampus. Journal of Neurochemistry, 2007, 100, 346-357.	3.9	37
20	Combination antidepressant therapy for major depressive disorder: Speed and probability of remission. Journal of Psychiatric Research, 2014, 52, 7-14.	3.1	33
21	D1 and D4 dopaminergic receptor interplay mediates coincident G proteinâ€independent and dependent regulation of glutamate NMDA receptors in the lateral amygdala. Journal of Neurochemistry, 2008, 106, 2421-2435.	3.9	32
22	Effects of low and high doses of selective sigma ligands: further evidence suggesting the existence of different subtypes of sigma receptors. Psychopharmacology, 1997, 129, 215-224.	3.1	31
23	Pregnancy reduces brain sigma receptor function. British Journal of Pharmacology, 1999, 127, 1769-1776.	5.4	31
24	Aberrant Subcellular Dynamics of Sigma-1 Receptor Mutants Underlying Neuromuscular Diseases. Molecular Pharmacology, 2016, 90, 238-253.	2.3	27
25	Differential effects of N-acetyl-aspartyl-glutamate on synaptic and extrasynaptic NMDA receptors are subunit- and pH-dependent in the CA1 region of the mouse hippocampus. Neurobiology of Disease, 2015, 82, 580-592.	4.4	25
26	Sustained saturating level of glycine induces changes in NR2Bâ€containingâ€NMDA receptor localization in the CA1 region of the hippocampus. Journal of Neurochemistry, 2008, 105, 2454-2465.	3.9	23
27	In VivoModulation of Sigma Receptor Sites by Calcitonin Gene-related Peptide in the Mouse and Rat Hippocampal Formation: Radioligand Binding and Electrophysiological Studies. European Journal of Neuroscience, 1995, 7, 1952-1962.	2.6	22
28	Extracellular glycine is necessary for optimal hemoglobinization of erythroid cells. Haematologica, 2017, 102, 1314-1323.	3.5	19
29	Effect of short-term and long-term treatments with ï‚ ligands on the N -methyl-d -aspartate response in the CA3 region of the rat dorsal hippocampus. British Journal of Pharmacology, 1997, 120, 1351-1359.	5.4	15
30	Time-dependent modulation of glutamate synapses onto 5-HT neurons by antidepressant treatment. Neuropharmacology, 2015, 95, 130-143.	4.1	15
31	Sigma receptor type 1 knockout mice show a mild deficit in plasticity but no significant change in synaptic transmission in the <scp>CA</scp>1 region of the hippocampus. Journal of Neurochemistry, 2016, 138, 700-709.	3.9	14
32	The sigmaâ€1 receptor behaves as an atypical auxiliary subunit to modulate the functional characteristics of Kv1.2 channels expressed in HEK293 cells. Physiological Reports, 2019, 7, e14147.	1.7	14
33	Calcium influx through N-type channels and activation of SK and TRP-like channels regulates tonic firing of neurons in rat paraventricular thalamus. Journal of Neurophysiology, 2013, 110, 2450-2464.	1.8	11
34	Short-term and Long-term Effects of N-Methyl-D-Aspartate Receptor Hypofunction. Archives of General Psychiatry, 2000, 57, 1180.	12.3	10
35	Glycine-induced NMDA receptor internalization provides neuroprotection and preserves vasculature following ischemic stroke. IScience, 2022, 25, 103539.	4.1	9
36	Chronically saturating levels of endogenous glycine disrupt glutamatergic neurotransmission and enhance synaptogenesis in the CA1 region of mouse hippocampus. Synapse, 2011, 65, 1181-1195.	1.2	8

#	Article	IF	Citations
37	[P3â€“163]: SEXâ€SPECIFIC DIFFERENCES IN SIG1R EXPRESSION AND FUNCTION IN ALZHEIMER's DISEASE MOUSE MODELS. Alzheimer's and Dementia, 2017, 13, P996.	0.8	0
38	[P3â€“181]: AMYLOID BETA SEXâ€SPECIFICALLY ALTERS SYNAPTIC TRANSMISSION. Alzheimer's and Dementia, 2017, 13, P1003.	0.8	0