

Jean-Marie Billard

List of Publications by Year in descending order

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24
papers

1,466
citations

516215

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642321

23
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docs citations

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times ranked

2132
citing authors

#	ARTICLE	IF	CITATIONS
1	Interplay between 5-HT ₄ Receptors and GABAergic System within CA1 Hippocampal Synaptic Plasticity. <i>Cerebral Cortex</i> , 2021, 31, 694-701.	1.6	12
2	Functional Dysregulations in CA1 Hippocampal Networks of a 3-Hit Mouse Model of Schizophrenia. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2644.	1.8	7
3	Serine Racemase Deletion Affects the Excitatory/Inhibitory Balance of the Hippocampal CA1 Network. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9447.	1.8	10
4	The NMDA receptor activation by d-serine and glycine is controlled by an astrocytic Phgdh-dependent serine shuttle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20736-20742.	3.3	89
5	Investigating brain d-serine: Advocacy for good practices. <i>Acta Physiologica</i> , 2019, 226, e13257.	1.8	25
6	Changes in Serine Racemase-Dependent Modulation of NMDA Receptor: Impact on Physiological and Pathological Brain Aging. <i>Frontiers in Molecular Biosciences</i> , 2018, 5, 106.	1.6	15
7	ASCT1 (Slc1a4) transporter is a physiologic regulator of brain d-serine and neurodevelopment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9628-9633.	3.3	77
8	ASCT1 transporter activation: an alternative to rescue age-related alterations in functional plasticity at rat hippocampal CA3/CA1 synapses. <i>Journal of Neurochemistry</i> , 2018, 147, 514-525.	2.1	9
9	Time and space profiling of NMDA receptor coagonist functions. <i>Journal of Neurochemistry</i> , 2015, 135, 210-225.	2.1	72
10	sAÎ ² PP1± Improves Hippocampal NMDA-Dependent Functional Alterations Linked to Healthy Aging. <i>Journal of Alzheimer's Disease</i> , 2015, 48, 927-935.	1.2	27
11	d-Serine in the aging hippocampus. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 116, 18-24.	1.4	32
12	Identity of the NMDA receptor coagonist is synapse specific and developmentally regulated in the hippocampus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E204-13.	3.3	111
13	Genomic transcriptional profiling in LOU/C/Jall rats identifies genes for successful aging. <i>Brain Structure and Function</i> , 2013, 218, 1501-1512.	1.2	12
14	Omega-3 fatty acids deficiency aggravates glutamatergic synapse and astroglial aging in the rat hippocampal CA1. <i>Aging Cell</i> , 2013, 12, 76-84.	3.0	64
15	Neuronal d-Serine and Glycine Release Via the Asc-1 Transporter Regulates NMDA Receptor-Dependent Synaptic Activity. <i>Journal of Neuroscience</i> , 2013, 33, 3533-3544.	1.7	186
16	Reversal of age-related oxidative stress prevents hippocampal synaptic plasticity deficits by protecting d-serine-dependent NMDA receptor activation. <i>Aging Cell</i> , 2012, 11, 336-344.	3.0	88
17	d-Amino acids in brain neurotransmission and synaptic plasticity. <i>Amino Acids</i> , 2012, 43, 1851-1860.	1.2	90
18	Continuous enriched environment improves learning and memory in adult NMRI mice through theta burst-related-LTP independent mechanisms but is not efficient in advanced aged animals. <i>Mechanisms of Ageing and Development</i> , 2011, 132, 240-248.	2.2	51

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19	Reduction in glutamate uptake is associated with extrasynaptic NMDA and metabotropic glutamate receptor activation at the hippocampal CA1 synapse of aged rats. <i>Aging Cell</i> , 2010, 9, 722-735.	3.0	70
20	Long-Term Depression in the Hippocampal CA1 Area of Aged Rats, Revisited: Contribution of Temporal Constraints Related to Slice Preparation. <i>PLoS ONE</i> , 2010, 5, e9843.	1.1	11
21	Parallel Loss of Hippocampal LTD and Cognitive Flexibility in a Genetic Model of Hyperdopaminergia. <i>Neuropsychopharmacology</i> , 2007, 32, 2108-2116.	2.8	106
22	Impaired long-term spatial and recognition memory and enhanced CA1 hippocampal LTP in the dystrophin-deficient <i>Dmdmdx</i> mouse. <i>Neurobiology of Disease</i> , 2004, 17, 10-20.	2.1	138
23	Different phosphatase-dependent mechanisms mediate long-term depression and depotentiation of long-term potentiation in mouse hippocampal CA1 area. <i>European Journal of Neuroscience</i> , 2003, 18, 1279-1285.	1.2	62
24	Presynaptic and postsynaptic GABAB receptors of neocortical neurons of the rat in vitro: Differences in pharmacology and ionic mechanisms. , 1997, 25, 62-72.		102