

# Jean-Marie Billard

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6547914/publications.pdf>

Version: 2024-02-01

24  
papers

1,466  
citations

516710

16  
h-index

642732

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

2132  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.6	186
2	Impaired long-term spatial and recognition memory and enhanced CA1 hippocampal LTP in the dystrophin-deficient Dmdmdx mouse. <i>Neurobiology of Disease</i> , 2004, 17, 10-20.	4.4	138
3	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.	7.1	111
4	Parallel Loss of Hippocampal LTD and Cognitive Flexibility in a Genetic Model of Hyperdopaminergia. <i>Neuropsychopharmacology</i> , 2007, 32, 2108-2116.	5.4	106
5	Presynaptic and postsynaptic GABAB receptors of neocortical neurons of the rat in vitro: Differences in pharmacology and ionic mechanisms. , 1997, 25, 62-72.		102
6	d-Amino acids in brain neurotransmission and synaptic plasticity. <i>Amino Acids</i> , 2012, 43, 1851-1860.	2.7	90
7	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.	7.1	89
8	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.	6.7	88
9	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.	7.1	77
10	Time and space profiling of NMDA receptor coagonist functions. <i>Journal of Neurochemistry</i> , 2015, 135, 210-225.	3.9	72
11	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.	6.7	70
12	Omega-3 fatty acids deficiency aggravates glutamatergic synapse and astroglial aging in the rat hippocampal CA1. <i>Aging Cell</i> , 2013, 12, 76-84.	6.7	64
13	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.	2.6	62
14	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.	4.6	51
15	d-Serine in the aging hippocampus. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 116, 18-24.	2.8	32
16	sAPP $\pm$ Improves Hippocampal NMDA-Dependent Functional Alterations Linked to Healthy Aging. <i>Journal of Alzheimer's Disease</i> , 2015, 48, 927-935.	2.6	27
17	Investigating brain d-serine: Advocacy for good practices. <i>Acta Physiologica</i> , 2019, 226, e13257.	3.8	25
18	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.	3.5	15

#	ARTICLE	IF	CITATIONS
19	Genomic transcriptional profiling in LOU/C/Jall rats identifies genes for successful aging. Brain Structure and Function, 2013, 218, 1501-1512.	2.3	12
20	Interplay between 5-HT4 Receptors and GABAergic System within CA1 Hippocampal Synaptic Plasticity. Cerebral Cortex, 2021, 31, 694-701.	2.9	12
21	Long-Term Depression in the Hippocampal CA1 Area of Aged Rats, Revisited: Contribution of Temporal Constraints Related to Slice Preparation. PLoS ONE, 2010, 5, e9843.	2.5	11
22	Serine Racemase Deletion Affects the Excitatory/Inhibitory Balance of the Hippocampal CA1 Network. International Journal of Molecular Sciences, 2020, 21, 9447.	4.1	10
23	Ascâ€ transporter activation: an alternative to rescue ageâ€related alterations in functional plasticity at rat hippocampal <sc>CA</sc>3/<sc>CA</sc>1 synapses. Journal of Neurochemistry, 2018, 147, 514-525.	3.9	9
24	Functional Dysregulations in CA1 Hippocampal Networks of a 3-Hit Mouse Model of Schizophrenia. International Journal of Molecular Sciences, 2021, 22, 2644.	4.1	7