Yann Humeau

List of Publications by Year
in descending order

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43 papers	4,051 citations	201674 27 h-index	254184 43 g-index
45 all docs	45 docs citations	45 times ranked	5135 citing authors

#	Article	IF	Citations
1	Amygdala Inhibitory Circuits and the Control of Fear Memory. Neuron, 2009, 62, 757-771.	8.1	815
2	How botulinum and tetanus neurotoxins block neurotransmitter release**This paper is dedicated to the memory of Heiner Niemann.. Biochimie, 2000, 82, 427-446.	2.6	422
3	Dopamine gates LTP induction in lateral amygdala by suppressing feedforward inhibition. Nature Neuroscience, 2003, 6, 587-592.	14.8	388
4	Presynaptic induction of heterosynaptic associative plasticity in the mammalian brain. Nature, 2003, 426, 841-845.	27.8	229
5	Redistribution of GABA_{B(1)}Protein and Atypical GABA_BResponses in GABA_{B(2)}-Deficient Mice. Journal of Neuroscience, 2004, 24, 6086-6097.	3.6	213
6	Generalization of amygdala LTP and conditioned fear in the absence of presynaptic inhibition. Nature Neuroscience, 2006, 9, 1028-1035.	14.8	181
7	Dendritic Spine Heterogeneity Determines Afferent-Specific Hebbian Plasticity in the Amygdala. Neuron, 2005, 45, 119-131.	8.1	131
8	Synapsin Controls Both Reserve and Releasable Synaptic Vesicle Pools during Neuronal Activity and Short-Term Plasticity inAplysia. Journal of Neuroscience, 2001, 21, 4195-4206.	3.6	120
9	A Pathway-Specific Function for Different AMPA Receptor Subunits in Amygdala Long-Term Potentiation and Fear Conditioning. Journal of Neuroscience, 2007, 27, 10947-10956.	3.6	117
10	Profiling olfactory stem cells from living patients identifies miRNAs relevant for autism pathophysiology. Molecular Autism, 2016, 7, 1.	4.9	114
11	A Postsynaptic Signaling Pathway that May Account for the Cognitive Defect Due to IL1RAPL1 Mutation. Current Biology, 2010, 20, 103-115.	3.9	106
12	The next generation of approaches to investigate the link between synaptic plasticity and learning. Nature Neuroscience, 2019, 22, 1536-1543.	14.8	104
13	A Rho-related GTPase Is Involved in Ca2+-dependent Neurotransmitter Exocytosis. Journal of Biological Chemistry, 2000, 275, 7764-7770.	3.4	95
14	cAMP/PKA signaling and RIM1Î± mediate presynaptic LTP in the lateral amygdala. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15130-15135.	7.1	89
15	IL1-receptor accessory protein-like 1 (IL1RAPL1), a protein involved in cognitive functions, regulates N-type Ca2+-channel and neurite elongation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9063-9068.	7.1	78
16	Conditional depletion of intellectual disability and Parkinsonism candidate gene ATP6AP2 in fly and mouse induces cognitive impairment and neurodegeneration. Human Molecular Genetics, 2015, 24, 6736-6755.	2.9	64
17	L-type voltage-dependent Ca2+ channels mediate expression of presynaptic LTP in amygdala. Nature Neuroscience, 2009, 12, 1093-1095.	14.8	62
18	Coronin 1 Regulates Cognition and Behavior through Modulation of cAMP/Protein Kinase A Signaling. PLoS Biology, 2014, 12, e1001820.	5.6	62

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19	Modulation of AMPA receptor surface diffusion restores hippocampal plasticity and memory in Huntingtonâ€™s disease models. Nature Communications, 2018, 9, 4272.	12.8	62
20	Rac GTPase Plays an Essential Role in Exocytosis by Controlling the Fusion Competence of Release Sites. Journal of Neuroscience, 2002, 22, 7968-7981.	3.6	56
21	Xâ€linked mental retardation: focus on synaptic function and plasticity. Journal of Neurochemistry, 2009, 109, 1-14.	3.9	51
22	The Coffin-Lowry Syndrome-Associated Protein RSK2 Regulates Neurite Outgrowth through Phosphorylation of Phospholipase D1 (PLD1) and Synthesis of Phosphatidic Acid. Journal of Neuroscience, 2013, 33, 19470-19479.	3.6	42
23	In Vivo Evidence That TRAF4 Is Required for Central Nervous System Myelin Homeostasis. PLoS ONE, 2012, 7, e30917.	2.5	33
24	IL1RAPL1 controls inhibitory networks during cerebellar development in mice. European Journal of Neuroscience, 2009, 30, 1476-1486.	2.6	32
25	Fasudil treatment in adult reverses behavioural changes and brain ventricular enlargement in Oligophrenin-1 mouse model of intellectual disability. Human Molecular Genetics, 2016, 25, 2314-2323.	2.9	32
26	Novel IL1RAPL1 mutations associated with intellectual disability impair synaptogenesis. Human Molecular Genetics, 2015, 24, 1106-1118.	2.9	31
27	Target-Specific Vulnerability of Excitatory Synapses Leads to Deficits in Associative Memory in a Model of Intellectual Disorder. Journal of Neuroscience, 2013, 33, 13805-13819.	3.6	29
28	Dendritic calcium spikes induce bi-directional synaptic plasticity in the lateral amygdala. Neuropharmacology, 2007, 52, 234-243.	4.1	28
29	Lack of the presynaptic RhoGAP protein oligophrenin1 leads to cognitive disabilities through dysregulation of the cAMP/PKA signalling pathway. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130160.	4.0	28
30	Missense mutation of Fmr1 results in impaired AMPAR-mediated plasticity and socio-cognitive deficits in mice. Nature Communications, 2021, 12, 1557.	12.8	28
31	Mouse models of 17q21.31 microdeletion and microduplication syndromes highlight the importance of Kansl1 for cognition. PLoS Genetics, 2017, 13, e1006886.	3.5	27
32	The hippocampo-amygdala control of contextual fear expression is affected in a model of intellectual disability. Brain Structure and Function, 2015, 220, 3673-3682.	2.3	23
33	Synaptic Maturation at Cortical Projections to the Lateral Amygdala in a Mouse Model of Rett Syndrome. PLoS ONE, 2010, 5, e11399.	2.5	23
34	Fast changes in the functional status of release sites during shortâ€term plasticity: involvement of a frequencyâ€dependent bypass of Rac at Aplysia synapses. Journal of Physiology, 2007, 583, 983-1004.	2.9	22
35	Forebrain Deletion of Î±GDI in Adult Mice Worsens the Pre-Synaptic Deficit at Cortico-Lateral Amygdala Synaptic Connections. PLoS ONE, 2012, 7, e29763.	2.5	18
36	A Novel Form of Presynaptic Plasticity Based on the Fast Reactivation of Release Sites Switched Off during Low-Frequency Depression. Journal of Neuroscience, 2010, 30, 16679-16691.	3.6	16

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37	Functional roles of synapsin: Lessons from invertebrates. Seminars in Cell and Developmental Biology, 2011, 22, 425-433.	5.0	16
38	A new mouse model of ARX dup24 recapitulates the patientsâ€™ behavioral and fine motor alterations. Human Molecular Genetics, 2018, 27, 2138-2153.	2.9	16
39	A proline-rich motif on VGLUT1 reduces synaptic vesicle super-pool and spontaneous release frequency. ELife, 2019, 8, .	6.0	15
40	Synaptic dysfunction in amygdala in intellectual disorder models. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 84, 392-397.	4.8	10
41	Protein Kinase A Deregulation in the Medial Prefrontal Cortex Impairs Working Memory in Murine Oligophrenin-1 Deficiency. Journal of Neuroscience, 2017, 37, 11114-11126.	3.6	9
42	Synapsin I Controls Synaptic Maturation of Long-Range Projections in the Lateral Amygdala in a Targeted Selective Fashion. Frontiers in Cellular Neuroscience, 2019, 13, 220.	3.7	7
43	The integration of Gaussian noise by long-range amygdala inputs in frontal circuit promotes fear learning in mice. ELife, 2020, 9, .	6.0	7