

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	Missense mutation of Fmr1 results in impaired AMPAR-mediated plasticity and socio-cognitive deficits in mice. <i>Nature Communications</i> , 2021, 12, 1557.	12.8	28
2	The integration of Gaussian noise by long-range amygdala inputs in frontal circuit promotes fear learning in mice. <i>ELife</i> , 2020, 9, .	6.0	7
3	The next generation of approaches to investigate the link between synaptic plasticity and learning. <i>Nature Neuroscience</i> , 2019, 22, 1536-1543.	14.8	104
4	Synapsin I Controls Synaptic Maturation of Long-Range Projections in the Lateral Amygdala in a Targeted Selective Fashion. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 220.	3.7	7
5	A proline-rich motif on VGLUT1 reduces synaptic vesicle super-pool and spontaneous release frequency. <i>ELife</i> , 2019, 8, .	6.0	15
6	A new mouse model of ARX dup24 recapitulates the patientsâ€™ behavioral and fine motor alterations. <i>Human Molecular Genetics</i> , 2018, 27, 2138-2153.	2.9	16
7	Synaptic dysfunction in amygdala in intellectual disorder models. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 84, 392-397.	4.8	10
8	Modulation of AMPA receptor surface diffusion restores hippocampal plasticity and memory in Huntingtonâ€™s disease models. <i>Nature Communications</i> , 2018, 9, 4272.	12.8	62
9	Protein Kinase A Deregulation in the Medial Prefrontal Cortex Impairs Working Memory in Murine Oligophrenin-1 Deficiency. <i>Journal of Neuroscience</i> , 2017, 37, 11114-11126.	3.6	9
10	Mouse models of 17q21.31 microdeletion and microduplication syndromes highlight the importance of Kansl1 for cognition. <i>PLoS Genetics</i> , 2017, 13, e1006886.	3.5	27
11	Fasudil treatment in adult reverses behavioural changes and brain ventricular enlargement in Oligophrenin-1 mouse model of intellectual disability. <i>Human Molecular Genetics</i> , 2016, 25, 2314-2323.	2.9	32
12	Profiling olfactory stem cells from living patients identifies miRNAs relevant for autism pathophysiology. <i>Molecular Autism</i> , 2016, 7, 1.	4.9	114
13	Conditional depletion of intellectual disability and Parkinsonism candidate gene ATP6AP2 in fly and mouse induces cognitive impairment and neurodegeneration. <i>Human Molecular Genetics</i> , 2015, 24, 6736-6755.	2.9	64
14	The hippocampo-amygdala control of contextual fear expression is affected in a model of intellectual disability. <i>Brain Structure and Function</i> , 2015, 220, 3673-3682.	2.3	23
15	Novel IL1RAPL1 mutations associated with intellectual disability impair synaptogenesis. <i>Human Molecular Genetics</i> , 2015, 24, 1106-1118.	2.9	31
16	Coronin 1 Regulates Cognition and Behavior through Modulation of cAMP/Protein Kinase A Signaling. <i>PLoS Biology</i> , 2014, 12, e1001820.	5.6	62
17	Lack of the presynaptic RhoGAP protein oligophrenin1 leads to cognitive disabilities through dysregulation of the cAMP/PKA signalling pathway. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130160.	4.0	28
18	The Coffin-Lowry Syndrome-Associated Protein RSK2 Regulates Neurite Outgrowth through Phosphorylation of Phospholipase D1 (PLD1) and Synthesis of Phosphatidic Acid. <i>Journal of Neuroscience</i> , 2013, 33, 19470-19479.	3.6	42

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19	Target-Specific Vulnerability of Excitatory Synapses Leads to Deficits in Associative Memory in a Model of Intellectual Disorder. <i>Journal of Neuroscience</i> , 2013, 33, 13805-13819.	3.6	29
20	In Vivo Evidence That TRAF4 Is Required for Central Nervous System Myelin Homeostasis. <i>PLoS ONE</i> , 2012, 7, e30917.	2.5	33
21	Forebrain Deletion of β -GDI in Adult Mice Worsens the Pre-Synaptic Deficit at Cortico-Lateral Amygdala Synaptic Connections. <i>PLoS ONE</i> , 2012, 7, e29763.	2.5	18
22	Functional roles of synapsin: Lessons from invertebrates. <i>Seminars in Cell and Developmental Biology</i> , 2011, 22, 425-433.	5.0	16
23	A Postsynaptic Signaling Pathway that May Account for the Cognitive Defect Due to IL1RAPL1 Mutation. <i>Current Biology</i> , 2010, 20, 103-115.	3.9	106
24	A Novel Form of Presynaptic Plasticity Based on the Fast Reactivation of Release Sites Switched Off during Low-Frequency Depression. <i>Journal of Neuroscience</i> , 2010, 30, 16679-16691.	3.6	16
25	Synaptic Maturation at Cortical Projections to the Lateral Amygdala in a Mouse Model of Rett Syndrome. <i>PLoS ONE</i> , 2010, 5, e11399.	2.5	23
26	L-type voltage-dependent Ca ²⁺ channels mediate expression of presynaptic LTP in amygdala. <i>Nature Neuroscience</i> , 2009, 12, 1093-1095.	14.8	62
27	IL1RAPL1 controls inhibitory networks during cerebellar development in mice. <i>European Journal of Neuroscience</i> , 2009, 30, 1476-1486.	2.6	32
28	X-linked mental retardation: focus on synaptic function and plasticity. <i>Journal of Neurochemistry</i> , 2009, 109, 1-14.	3.9	51
29	Amygdala Inhibitory Circuits and the Control of Fear Memory. <i>Neuron</i> , 2009, 62, 757-771.	8.1	815
30	cAMP/PKA signaling and RIM1 β mediate presynaptic LTP in the lateral amygdala. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 15130-15135.	7.1	89
31	IL1-receptor accessory protein-like 1 (IL1RAPL1), a protein involved in cognitive functions, regulates N-type Ca ²⁺ -channel and neurite elongation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 9063-9068.	7.1	78
32	A Pathway-Specific Function for Different AMPA Receptor Subunits in Amygdala Long-Term Potentiation and Fear Conditioning. <i>Journal of Neuroscience</i> , 2007, 27, 10947-10956.	3.6	117
33	Dendritic calcium spikes induce bi-directional synaptic plasticity in the lateral amygdala. <i>Neuropharmacology</i> , 2007, 52, 234-243.	4.1	28
34	Fast changes in the functional status of release sites during short-term plasticity: involvement of a frequency-dependent bypass of Rac at <i>Aplysia</i> synapses. <i>Journal of Physiology</i> , 2007, 583, 983-1004.	2.9	22
35	Generalization of amygdala LTP and conditioned fear in the absence of presynaptic inhibition. <i>Nature Neuroscience</i> , 2006, 9, 1028-1035.	14.8	181
36	Dendritic Spine Heterogeneity Determines Afferent-Specific Hebbian Plasticity in the Amygdala. <i>Neuron</i> , 2005, 45, 119-131.	8.1	131

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37	Redistribution of GABA _{B(1)} Protein and Atypical GABA _B Responses in GABA _{B(2)} -Deficient Mice. <i>Journal of Neuroscience</i> , 2004, 24, 6086-6097.	3.6	213
38	Presynaptic induction of heterosynaptic associative plasticity in the mammalian brain. <i>Nature</i> , 2003, 426, 841-845.	27.8	229
39	Dopamine gates LTP induction in lateral amygdala by suppressing feedforward inhibition. <i>Nature Neuroscience</i> , 2003, 6, 587-592.	14.8	388
40	Rac GTPase Plays an Essential Role in Exocytosis by Controlling the Fusion Competence of Release Sites. <i>Journal of Neuroscience</i> , 2002, 22, 7968-7981.	3.6	56
41	Synapsin Controls Both Reserve and Releasable Synaptic Vesicle Pools during Neuronal Activity and Short-Term Plasticity in <i>Aplysia</i> . <i>Journal of Neuroscience</i> , 2001, 21, 4195-4206.	3.6	120
42	A Rho-related GTPase Is Involved in Ca ²⁺ -dependent Neurotransmitter Exocytosis. <i>Journal of Biological Chemistry</i> , 2000, 275, 7764-7770.	3.4	95
43	How botulinum and tetanus neurotoxins block neurotransmitter release**This paper is dedicated to the memory of Heiner Niemann.. <i>Biochimie</i> , 2000, 82, 427-446.	2.6	422