Vincent Villette

List of Publications by Year
in descending order

15 papers	991 citations	687363 13 h-index	996975 15 g-index
20 all docs	20 docs citations	20 times ranked	1571 citing authors

#	Article	IF	Citations
1	Ultrafast Two-Photon Imaging of a High-Gain Voltage Indicator in Awake Behaving Mice. Cell, 2019, 179, 1590-1608.e23.	28.9	242
2	Awake hippocampal reactivations project onto orthogonal neuronal assemblies. Science, 2016, 353, 1280-1283.	12.6	128
3	Internally Recurring Hippocampal Sequences as a Population Template of Spatiotemporal Information. Neuron, 2015, 88, 357-366.	8.1	116
4	GABAergic inhibition shapes interictal dynamics in awake epileptic mice. Brain, 2015, 138, 2875-2890.	7.6	98
5	Decreased Rhythmic GABAergic Septal Activity and Memory-Associated Î¸ Oscillations after Hippocampal Amyloid-Î²2 Pathology in the Rat. Journal of Neuroscience, 2010, 30, 10991-11003.	3.6	95
6	Connectivity and network state-dependent recruitment of long-range VIP-GABAergic neurons in the mouse hippocampus. Nature Communications, 2018, 9, 5043.	12.8	63
7	Selective Impairment of Some Forms of Synaptic Plasticity by Oligomeric Amyloid-Î²2 Peptide in the Mouse Hippocampus: Implication of Extrasynaptic NMDA Receptors. Journal of Alzheimer's Disease, 2012, 32, 183-196.	2.6	37
8	Synaptic Mechanisms Underlying the Network State-Dependent Recruitment of VIP-Expressing Interneurons in the CA1 Hippocampus. Cerebral Cortex, 2020, 30, 3667-3685.	2.9	36
9	GABAergic Microcircuits in Alzheimer's Disease Models. Current Alzheimer Research, 2016, 14, 30-39.	1.4	35
10	Development of earlyâ€born Î³â€Aminobutyric acid hub neurons in mouse hippocampus from embryogenesis to adulthood. Journal of Comparative Neurology, 2016, 524, 2440-2461.	1.6	26
11	A new neuronal target for beta-amyloid peptide in the rat hippocampus. Neurobiology of Aging, 2012, 33, 1126.e1-1126.e14.	3.1	23
12	Internal representation of hippocampal neuronal population spans a time-distance continuum. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7477-7482.	7.1	22
13	Calcium Dynamics in Dendrites of Hippocampal CA1 Interneurons in Awake Mice. Frontiers in Cellular Neuroscience, 2019, 13, 98.	3.7	18
14	Simple platform for chronic imaging of hippocampal activity during spontaneous behaviour in an awake mouse. Scientific Reports, 2017, 7, 43388.	3.3	17
15	Fast optical recording of neuronal activity by three-dimensional custom-access serial holography. Nature Methods, 2022, 19, 100-110.	19.0	13