Martin Fuhrmann

List of Publications by Year
in descending order

34	4,008	279798 23	477307 29
papers	citations	h-index	g-index

41	41	41	6962
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Real-time imaging reveals the single steps of brain metastasis formation. Nature Medicine, 2010, 16, 116-122.	30.7	935
2	Microglial Cx3cr1 knockout prevents neuron loss in a mouse model of Alzheimer's disease. Nature Neuroscience, 2010, 13, 411-413.	14.8	501
3	Cortical dysplasia resembling human type 2 lissencephaly in mice lacking all three APP family members. EMBO Journal, 2004, 23, 4106-4115.	7.8	291
4	Locomotion, Theta Oscillations, and the Speed-Correlated Firing of Hippocampal Neurons Are Controlled by a Medial Septal Glutamatergic Circuit. Neuron, 2015, 86, 1253-1264.	8.1	282
5	Crosstalk between Sentinel and Helper Macrophages Permits Neutrophil Migration into Infected Uroepithelium. Cell, 2014, 156, 456-468.	28.9	203
6	Imaging glioma cell invasion in vivo reveals mechanisms of dissemination and peritumoral angiogenesis. Glia, 2009, 57, 1306-1315.	4.9	200
7	Dysfunction of Somatostatin-Positive Interneurons Associated with Memory Deficits in an Alzheimerâ€™s Disease Model. Neuron, 2016, 92, 114-125.	8.1	165
8	Multiple Events Lead to Dendritic Spine Loss in Triple Transgenic Alzheimer's Disease Mice. PLoS ONE, 2010, 5, e15477.	2.5	145
9	Chronic 2P-STED imaging reveals high turnover of dendritic spines in the hippocampus in vivo. ELife, 2018, 7, .	6.0	130
10	Dendritic Pathology in Prion Disease Starts at the Synaptic Spine. Journal of Neuroscience, 2007, 27, 6224-6233.	3.6	121
11	Î³-Secretase Inhibition Reduces Spine DensityIn Vivovia an Amyloid Precursor Protein-Dependent Pathway. Journal of Neuroscience, 2009, 29, 10405-10409.	3.6	111
12	In vivo multiphoton imaging reveals gradual growth of newborn amyloid plaques over weeks. Acta Neuropathologica, 2011, 121, 327-335.	7.7	86
13	P2Y1 receptor blockade normalizes network dysfunction and cognition in an Alzheimerâ€™s disease model. Journal of Experimental Medicine, 2018, 215, 1649-1663.	8.5	83
14	Amyloid plaque formation precedes dendritic spine loss. Acta Neuropathologica, 2012, 124, 797-807.	7.7	77
15	Unsupervised excitation: GABAergic dysfunctions in Alzheimerâ€™s disease. Brain Research, 2019, 1707, 216-226.	2.2	76
16	Long-TermIn VivoImaging of Dendritic Spines in the Hippocampus Reveals Structural Plasticity. Journal of Neuroscience, 2014, 34, 13948-13953.	3.6	73
17	Dicer Deficiency Differentially Impacts Microglia of the Developing and Adult Brain. Immunity, 2017, 46, 1030-1044.e8.	14.3	68
18	Loss of the cellular prion protein affects the Ca2+ homeostasis in hippocampal CA1 neurons. Journal of Neurochemistry, 2006, 98, 1876-1885.	3.9	64

#	Article	IF	Citations
19	The diphenylpyrazole compound anle138b blocks Aβ2 channels and rescues disease phenotypes in a mouse model for amyloid pathology. EMBO Molecular Medicine, 2018, 10, 32-47.	6.9	63
20	Reducing tau aggregates with anle138b delays disease progression in a mouse model of tauopathies. Acta Neuropathologica, 2015, 130, 619-631.	7.7	58
21	Tumorâ€selective vessel occlusions by platelets after vascular targeting chemotherapy using paclitaxel encapsulated in cationic liposomes. International Journal of Cancer, 2008, 122, 452-460.	5.1	52
22	Memory trace interference impairs recall in a mouse model of Alzheimerâ€™s disease. Nature Neuroscience, 2020, 23, 952-958.	14.8	43
23	Longitudinal testing of hippocampal plasticity reveals the onset and maintenance of endogenous human AÂŸ-induced synaptic dysfunction in individual freely behaving pre-plaque transgenic rats: rapid reversal by anti-AÂŸ agents. Acta Neuropathologica Communications, 2014, 2, 175.	5.2	32
24	Elevated expression of complement C4 in the mouse prefrontal cortex causes schizophrenia-associated phenotypes. Molecular Psychiatry, 2021, 26, 3489-3501.	7.9	31
25	Hippocampal hyperactivity in a rat model of Alzheimerâ€™s disease. Journal of Neurochemistry, 2021, 157, 2128-2144.	3.9	28
26	Loss of Ryanodine Receptor 2 impairs neuronal activity-dependent remodeling of dendritic spines and triggers compensatory neuronal hyperexcitability. Cell Death and Differentiation, 2020, 27, 3354-3373.	11.2	25
27	Role of presenilin1 in structural plasticity of cortical dendritic spines in vivo. Journal of Neurochemistry, 2011, 119, 1064-1073.	3.9	18
28	Recent advances in applying mass spectrometry and systems biology to determine brain dynamics. Expert Review of Proteomics, 2017, 14, 545-559.	3.0	12
29	Taggerâ€”A Swiss army knife for multiomics to dissect cell typeâ€“specific mechanisms of gene expression in mice. PLoS Biology, 2019, 17, e3000374.	5.6	12
30	Long-Term InÂVivo Imaging of Structural Plasticity in Rodents. Handbook of Behavioral Neuroscience, 2018, 28, 253-262.	0.7	1
31	O3-05-06: FORMATION OF A HIPPOCAMPAL MEMORY ENGRAM AND ITS IMPAIRMENT IN A MOUSE MODEL OF AD. , 2014, 10, P218-P218.		0
32	Lessons from In Vivo Imaging. , 2014, , 81-114.		0
33	Memory trace superimposition impairs recall in a mouse model of AD. SSRN Electronic Journal, 0, , .	0.4	0
34	O-LM interneurons: Gatekeepers of pyramidal neuron activity in the hippocampus. Neuron, 2022, 110, 1606-1608.	8.1	0