

Martin Fuhrmann

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

4,008
citations

279798

23
h-index

477307

29
g-index

41
all docs

41
docs citations

41
times ranked

6962
citing authors

#	ARTICLE	IF	CITATIONS
1	O-LM interneurons: Gatekeepers of pyramidal neuron activity in the hippocampus. <i>Neuron</i> , 2022, 110, 1606-1608.	8.1	0
2	Hippocampal hyperactivity in a rat model of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2021, 157, 2128-2144.	3.9	28
3	Elevated expression of complement C4 in the mouse prefrontal cortex causes schizophrenia-associated phenotypes. <i>Molecular Psychiatry</i> , 2021, 26, 3489-3501.	7.9	31
4	Loss of Ryanodine Receptor 2 impairs neuronal activity-dependent remodeling of dendritic spines and triggers compensatory neuronal hyperexcitability. <i>Cell Death and Differentiation</i> , 2020, 27, 3354-3373.	11.2	25
5	Memory trace interference impairs recall in a mouse model of Alzheimer's disease. <i>Nature Neuroscience</i> , 2020, 23, 952-958.	14.8	43
6	Tagger: A Swiss army knife for multiomics to dissect cell type-specific mechanisms of gene expression in mice. <i>PLoS Biology</i> , 2019, 17, e3000374.	5.6	12
7	Unsupervised excitation: GABAergic dysfunctions in Alzheimer's disease. <i>Brain Research</i> , 2019, 1707, 216-226.	2.2	76
8	P2Y1 receptor blockade normalizes network dysfunction and cognition in an Alzheimer's disease model. <i>Journal of Experimental Medicine</i> , 2018, 215, 1649-1663.	8.5	83
9	Long-Term In Vivo Imaging of Structural Plasticity in Rodents. <i>Handbook of Behavioral Neuroscience</i> , 2018, 28, 253-262.	0.7	1
10	Chronic 2P-STED imaging reveals high turnover of dendritic spines in the hippocampus in vivo. <i>ELife</i> , 2018, 7, .	6.0	130
11	The diphenylpyrazole compound anle138b blocks $A\beta$ channels and rescues disease phenotypes in a mouse model for amyloid pathology. <i>EMBO Molecular Medicine</i> , 2018, 10, 32-47.	6.9	63
12	Dicer Deficiency Differentially Impacts Microglia of the Developing and Adult Brain. <i>Immunity</i> , 2017, 46, 1030-1044.e8.	14.3	68
13	Recent advances in applying mass spectrometry and systems biology to determine brain dynamics. <i>Expert Review of Proteomics</i> , 2017, 14, 545-559.	3.0	12
14	Dysfunction of Somatostatin-Positive Interneurons Associated with Memory Deficits in an Alzheimer's Disease Model. <i>Neuron</i> , 2016, 92, 114-125.	8.1	165
15	Locomotion, Theta Oscillations, and the Speed-Related Firing of Hippocampal Neurons Are Controlled by a Medial Septal Glutamatergic Circuit. <i>Neuron</i> , 2015, 86, 1253-1264.	8.1	282
16	Reducing tau aggregates with anle138b delays disease progression in a mouse model of tauopathies. <i>Acta Neuropathologica</i> , 2015, 130, 619-631.	7.7	58
17	Longitudinal testing of hippocampal plasticity reveals the onset and maintenance of endogenous human A β -induced synaptic dysfunction in individual freely behaving pre-plaque transgenic rats: rapid reversal by anti-A β agents. <i>Acta Neuropathologica Communications</i> , 2014, 2, 175.	5.2	32
18	O3-05-06: FORMATION OF A HIPPOCAMPAL MEMORY ENGRAM AND ITS IMPAIRMENT IN A MOUSE MODEL OF AD. , 2014, 10, P218-P218.		0

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19	Long-Term <i>In Vivo</i> Imaging of Dendritic Spines in the Hippocampus Reveals Structural Plasticity. <i>Journal of Neuroscience</i> , 2014, 34, 13948-13953.	3.6	73
20	Crosstalk between Sentinel and Helper Macrophages Permits Neutrophil Migration into Infected Uroepithelium. <i>Cell</i> , 2014, 156, 456-468.	28.9	203
21	Lessons from <i>In Vivo</i> Imaging. , 2014, , 81-114.		0
22	Amyloid plaque formation precedes dendritic spine loss. <i>Acta Neuropathologica</i> , 2012, 124, 797-807.	7.7	77
23	Role of presenilin1 in structural plasticity of cortical dendritic spines <i>in vivo</i> . <i>Journal of Neurochemistry</i> , 2011, 119, 1064-1073.	3.9	18
24	<i>In vivo</i> multiphoton imaging reveals gradual growth of newborn amyloid plaques over weeks. <i>Acta Neuropathologica</i> , 2011, 121, 327-335.	7.7	86
25	Real-time imaging reveals the single steps of brain metastasis formation. <i>Nature Medicine</i> , 2010, 16, 116-122.	30.7	935
26	Microglial Cx3cr1 knockout prevents neuron loss in a mouse model of Alzheimer's disease. <i>Nature Neuroscience</i> , 2010, 13, 411-413.	14.8	501
27	Multiple Events Lead to Dendritic Spine Loss in Triple Transgenic Alzheimer's Disease Mice. <i>PLoS ONE</i> , 2010, 5, e15477.	2.5	145
28	β -Secretase Inhibition Reduces Spine Density <i>In Vivo</i> via an Amyloid Precursor Protein-Dependent Pathway. <i>Journal of Neuroscience</i> , 2009, 29, 10405-10409.	3.6	111
29	Imaging glioma cell invasion <i>in vivo</i> reveals mechanisms of dissemination and peritumoral angiogenesis. <i>Glia</i> , 2009, 57, 1306-1315.	4.9	200
30	Tumor-selective vessel occlusions by platelets after vascular targeting chemotherapy using paclitaxel encapsulated in cationic liposomes. <i>International Journal of Cancer</i> , 2008, 122, 452-460.	5.1	52
31	Dendritic Pathology in Prion Disease Starts at the Synaptic Spine. <i>Journal of Neuroscience</i> , 2007, 27, 6224-6233.	3.6	121
32	Loss of the cellular prion protein affects the Ca ²⁺ homeostasis in hippocampal CA1 neurons. <i>Journal of Neurochemistry</i> , 2006, 98, 1876-1885.	3.9	64
33	Cortical dysplasia resembling human type 2 lissencephaly in mice lacking all three APP family members. <i>EMBO Journal</i> , 2004, 23, 4106-4115.	7.8	291
34	Memory trace superimposition impairs recall in a mouse model of AD. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0