

Mark J Wagner

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8050749/publications.pdf>

Version: 2024-02-01

16
papers

1,409
citations

686830

13
h-index

996533

15
g-index

19
all docs

19
docs citations

19
times ranked

2062
citing authors

#	ARTICLE	IF	CITATIONS
1	Cerebellar granule cells encode the expectation of reward. <i>Nature</i> , 2017, 544, 96-100.	13.7	408
2	Imaging neural spiking in brain tissue using FRET-opsin protein voltage sensors. <i>Nature Communications</i> , 2014, 5, 3674.	5.8	171
3	Shared Internal Models for Feedforward and Feedback Control. <i>Journal of Neuroscience</i> , 2008, 28, 10663-10673.	1.7	157
4	Shared Cortex-Cerebellum Dynamics in the Execution and Learning of a Motor Task. <i>Cell</i> , 2019, 177, 669-682.e24.	13.5	130
5	Spatiotemporal Linear Decoding of Brain State. <i>IEEE Signal Processing Magazine</i> , 2008, 25, 107-115.	4.6	111
6	Neocortexâ€Cerebellum Circuits for Cognitive Processing. <i>Trends in Neurosciences</i> , 2020, 43, 42-54.	4.2	97
7	Kilohertz two-photon brain imaging in awake mice. <i>Nature Methods</i> , 2019, 16, 1119-1122.	9.0	74
8	Differential encoding in prefrontal cortex projection neuron classes across cognitive tasks. <i>Cell</i> , 2021, 184, 489-506.e26.	13.5	58
9	A neural circuit state change underlying skilled movements. <i>Cell</i> , 2021, 184, 3731-3747.e21.	13.5	45
10	Reciprocal repulsions instruct the precise assembly of parallel hippocampal networks. <i>Science</i> , 2021, 372, 1068-1073.	6.0	38
11	GluD2- and Cbln1-mediated competitive interactions shape the dendritic arbors of cerebellar Purkinje cells. <i>Neuron</i> , 2021, 109, 629-644.e8.	3.8	32
12	Cellular bases of olfactory circuit assembly revealed by systematic time-lapse imaging. <i>Cell</i> , 2021, 184, 5107-5121.e14.	13.5	25
13	Skilled reaching tasks for head-fixed mice using a robotic manipulandum. <i>Nature Protocols</i> , 2020, 15, 1237-1254.	5.5	17
14	The relationship between birth timing, circuit wiring, and physiological response properties of cerebellar granule cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	14
15	Cognitive Signaling in Cerebellar Granule Cells. <i>Neuropsychopharmacology</i> , 2018, 43, 222-223.	2.8	1
16	Shared Cortex-Cerebellum Dynamics in the Execution and Learning of a Motor Task. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1