

# Riichiro Hira

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

731  
citations

840776

11  
h-index

1281871

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

1097  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two distinct layer-specific dynamics of cortical ensembles during learning of a motor task. <i>Nature Neuroscience</i> , 2014, 17, 987-994.	14.8	139
2	Transcranial optogenetic stimulation for functional mapping of the motor cortex. <i>Journal of Neuroscience Methods</i> , 2009, 179, 258-263.	2.5	97
3	Spatiotemporal Dynamics of Functional Clusters of Neurons in the Mouse Motor Cortex during a Voluntary Movement. <i>Journal of Neuroscience</i> , 2013, 33, 1377-1390.	3.6	86
4	Two-photon imaging of neuronal activity in motor cortex of marmosets during upper-limb movement tasks. <i>Nature Communications</i> , 2018, 9, 1879.	12.8	66
5	Distinct Functional Modules for Discrete and Rhythmic Forelimb Movements in the Mouse Motor Cortex. <i>Journal of Neuroscience</i> , 2015, 35, 13311-13322.	3.6	63
6	Next-generation transgenic mice for optogenetic analysis of neural circuits. <i>Frontiers in Neural Circuits</i> , 2013, 7, 160.	2.8	62
7	In vivo optogenetic tracing of functional corticocortical connections between motor forelimb areas. <i>Frontiers in Neural Circuits</i> , 2013, 7, 55.	2.8	57
8	Motor learning requires myelination to reduce asynchrony and spontaneity in neural activity. <i>Glia</i> , 2020, 68, 193-210.	4.9	55
9	Diesel2p mesoscope with dual independent scan engines for flexible capture of dynamics in distributed neural circuitry. <i>Nature Communications</i> , 2021, 12, 6639.	12.8	54
10	Mice use robust and common strategies to discriminate natural scenes. <i>Scientific Reports</i> , 2018, 8, 1379.	3.3	27
11	Reward-timing-dependent bidirectional modulation of cortical microcircuits during optical single-neuron operant conditioning. <i>Nature Communications</i> , 2014, 5, 5551.	12.8	25
12	Two-Photon Imaging and Photomanipulation of Multicellular Neural Activity in Awake Behaving Animals. <i>The Review of Laser Engineering</i> , 2013, 41, 86.	0.0	0