

# Mackenzie Mathis

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1133760/publications.pdf>

Version: 2024-02-01

20  
papers

7,016  
citations

516710

16  
h-index

839539

18  
g-index

29  
all docs

29  
docs citations

29  
times ranked

7869  
citing authors

#	ARTICLE	IF	CITATIONS
1	Perspectives in machine learning for wildlife conservation. Nature Communications, 2022, 13, 792.	12.8	176
2	Multi-animal pose estimation, identification and tracking with DeepLabCut. Nature Methods, 2022, 19, 496-504.	19.0	165
3	Pretraining boosts out-of-domain robustness for pose estimation. , 2021, , .		53
4	Dynamic extrinsic pacing of the HOX clock in human axial progenitors controls motor neuron subtype specification. Development (Cambridge), 2021, 148, .	2.5	37
5	Motor control: Neural correlates of optimal feedback control theory. Current Biology, 2021, 31, R356-R358.	3.9	5
6	Measuring and modeling the motor system with machine learning. Current Opinion in Neurobiology, 2021, 70, 11-23.	4.2	44
7	AcinoSet: A 3D Pose Estimation Dataset and Baseline Models for Cheetahs in the Wild. , 2021, , .		23
8	Deep learning tools for the measurement of animal behavior in neuroscience. Current Opinion in Neurobiology, 2020, 60, 1-11.	4.2	271
9	A Primer on Motion Capture with Deep Learning: Principles, Pitfalls, and Perspectives. Neuron, 2020, 108, 44-65.	8.1	131
10	Real-time, low-latency closed-loop feedback using markerless posture tracking. ELife, 2020, 9, .	6.0	93
11	A new spin on fidgets. Nature Neuroscience, 2019, 22, 1614-1616.	14.8	3
12	Using DeepLabCut for 3D markerless pose estimation across species and behaviors. Nature Protocols, 2019, 14, 2152-2176.	12.0	792
13	DeepLabCut: markerless pose estimation of user-defined body parts with deep learning. Nature Neuroscience, 2018, 21, 1281-1289.	14.8	2,710
14	Somatosensory Cortex Plays an Essential Role in Forelimb Motor Adaptation in Mice. Neuron, 2017, 93, 1493-1503.e6.	8.1	144
15	Serotonergic neurons signal reward and punishment on multiple timescales. ELife, 2015, 4, .	6.0	282
16	Necroptosis Drives Motor Neuron Death in Models of Both Sporadic and Familial ALS. Neuron, 2014, 81, 1001-1008.	8.1	353
17	Accelerated High-Yield Generation of Limb-Innervating Motor Neurons from Human Stem Cells. Journal of Neuroscience, 2013, 33, 574-586.	3.6	230
18	Maturation of Spinal Motor Neurons Derived from Human Embryonic Stem Cells. PLoS ONE, 2012, 7, e40154.	2.5	64

#	ARTICLE	IF	CITATIONS
19	Reference Maps of Human ES and iPS Cell Variation Enable High-Throughput Characterization of Pluripotent Cell Lines. <i>Cell</i> , 2011, 144, 439-452.	28.9	899
20	A functionally characterized test set of human induced pluripotent stem cells. <i>Nature Biotechnology</i> , 2011, 29, 279-286.	17.5	446