

Adam W Hantman

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

4,392
citations

304602

22
h-index

501076

28
g-index

40
all docs

40
docs citations

40
times ranked

6031
citing authors

#	ARTICLE	IF	CITATIONS
1	Motor cortical output for skilled forelimb movement is selectively distributed across projection neuron classes. <i>Science Advances</i> , 2022, 8, eabj5167.	4.7	33
2	Neuropixels 2.0: A miniaturized high-density probe for stable, long-term brain recordings. <i>Science</i> , 2021, 372, .	6.0	467
3	A cerebellar-thalamocortical pathway drives behavioral context-dependent movement initiation. <i>Neuron</i> , 2021, 109, 2326-2338.e8.	3.8	63
4	Disrupting cortico-cerebellar communication impairs dexterity. <i>ELife</i> , 2021, 10, .	2.8	37
5	Genetically identified amygdala–striatal circuits for valence-specific behaviors. <i>Nature Neuroscience</i> , 2021, 24, 1586-1600.	7.1	56
6	A genetically defined insula-brainstem circuit selectively controls motivational vigor. <i>Cell</i> , 2021, 184, 6344-6360.e18.	13.5	28
7	Cortical pattern generation during dexterous movement is input-driven. <i>Nature</i> , 2020, 577, 386-391.	13.7	196
8	A Genetically Defined Compartmentalized Striatal Direct Pathway for Negative Reinforcement. <i>Cell</i> , 2020, 183, 211-227.e20.	13.5	49
9	Parvalbumin ⁺ and Npas1 ⁺ Pallidal Neurons Have Distinct Circuit Topology and Function. <i>Journal of Neuroscience</i> , 2020, 40, 7855-7876.	1.7	49
10	Cell-Type-Specific Outcome Representation in the Primary Motor Cortex. <i>Neuron</i> , 2020, 107, 954-971.e9.	3.8	50
11	Reconstruction of 1,000 Projection Neurons Reveals New Cell Types and Organization of Long-Range Connectivity in the Mouse Brain. <i>Cell</i> , 2019, 179, 268-281.e13.	13.5	352
12	Molecular Logic of Spinocerebellar Tract Neuron Diversity and Connectivity. <i>Cell Reports</i> , 2019, 27, 2620-2635.e4.	2.9	36
13	A repeated molecular architecture across thalamic pathways. <i>Nature Neuroscience</i> , 2019, 22, 1925-1935.	7.1	132
14	Cortical column and whole-brain imaging with molecular contrast and nanoscale resolution. <i>Science</i> , 2019, 363, .	6.0	277
15	Mapping the transcriptional diversity of genetically and anatomically defined cell populations in the mouse brain. <i>ELife</i> , 2019, 8, .	2.8	59
16	A Neural Circuit for the Suppression of Pain by a Competing Need State. <i>Cell</i> , 2018, 173, 140-152.e15.	13.5	161
17	Developmental pattern and structural factors of dendritic survival in cerebellar granule cells in vivo. <i>Scientific Reports</i> , 2018, 8, 17561.	1.6	9
18	Stability, affinity, and chromatic variants of the glutamate sensor iGluSnFR. <i>Nature Methods</i> , 2018, 15, 936-939.	9.0	310

#	ARTICLE	IF	CITATIONS
19	A Brainstem-Spinal Cord Inhibitory Circuit for Mechanical Pain Modulation by GABA and Enkephalins. Neuron, 2017, 93, 822-839.e6.	3.8	250
20	A Designer AAV Variant Permits Efficient Retrograde Access to Projection Neurons. Neuron, 2016, 92, 372-382.	3.8	1,007
21	Satb2 Stations Neurons along Reflex Arcs. Neuron, 2016, 91, 711-713.	3.8	0
22	Cortex commands the performance of skilled movement. ELife, 2015, 4, e10774.	2.8	207
23	Convergence of pontine and proprioceptive streams onto multimodal cerebellar granule cells. ELife, 2013, 2, e00400.	2.8	206
24	Clarke's column neurons as the focus of a corticospinal corollary circuit. Nature Neuroscience, 2010, 13, 1233-1239.	7.1	129
25	Molecular and genetic features of a labeled class of spinal substantia gelatinosa neurons in a transgenic mouse. Journal of Comparative Neurology, 2005, 492, 90-100.	0.9	26
26	Morphological and Physiological Features of a Set of Spinal Substantia Gelatinosa Neurons Defined by Green Fluorescent Protein Expression. Journal of Neuroscience, 2004, 24, 836-842.	1.7	119