

Adam W Hantman

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

4,392
citations

304743

22
h-index

501196

28
g-index

40
all docs

40
docs citations

40
times ranked

6031
citing authors

#	ARTICLE	IF	CITATIONS
1	A Designer AAV Variant Permits Efficient Retrograde Access to Projection Neurons. <i>Neuron</i> , 2016, 92, 372-382.	8.1	1,007
2	Neuropixels 2.0: A miniaturized high-density probe for stable, long-term brain recordings. <i>Science</i> , 2021, 372, .	12.6	467
3	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.	28.9	352
4	Stability, affinity, and chromatic variants of the glutamate sensor iGluSnFR. <i>Nature Methods</i> , 2018, 15, 936-939.	19.0	310
5	Cortical column and whole-brain imaging with molecular contrast and nanoscale resolution. <i>Science</i> , 2019, 363, .	12.6	277
6	A Brainstem-Spinal Cord Inhibitory Circuit for Mechanical Pain Modulation by GABA and Enkephalins. <i>Neuron</i> , 2017, 93, 822-839.e6.	8.1	250
7	Cortex commands the performance of skilled movement. <i>ELife</i> , 2015, 4, e10774.	6.0	207
8	Convergence of pontine and proprioceptive streams onto multimodal cerebellar granule cells. <i>ELife</i> , 2013, 2, e00400.	6.0	206
9	Cortical pattern generation during dexterous movement is input-driven. <i>Nature</i> , 2020, 577, 386-391.	27.8	196
10	A Neural Circuit for the Suppression of Pain by a Competing Need State. <i>Cell</i> , 2018, 173, 140-152.e15.	28.9	161
11	A repeated molecular architecture across thalamic pathways. <i>Nature Neuroscience</i> , 2019, 22, 1925-1935.	14.8	132
12	Clarke's column neurons as the focus of a corticospinal corollary circuit. <i>Nature Neuroscience</i> , 2010, 13, 1233-1239.	14.8	129
13	Morphological and Physiological Features of a Set of Spinal Substantia Gelatinosa Neurons Defined by Green Fluorescent Protein Expression. <i>Journal of Neuroscience</i> , 2004, 24, 836-842.	3.6	119
14	A cerebellar-thalamocortical pathway drives behavioral context-dependent movement initiation. <i>Neuron</i> , 2021, 109, 2326-2338.e8.	8.1	63
15	Mapping the transcriptional diversity of genetically and anatomically defined cell populations in the mouse brain. <i>ELife</i> , 2019, 8, .	6.0	59
16	Genetically identified amygdala-striatal circuits for valence-specific behaviors. <i>Nature Neuroscience</i> , 2021, 24, 1586-1600.	14.8	56
17	Cell-Type-Specific Outcome Representation in the Primary Motor Cortex. <i>Neuron</i> , 2020, 107, 954-971.e9.	8.1	50
18	A Genetically Defined Compartmentalized Striatal Direct Pathway for Negative Reinforcement. <i>Cell</i> , 2020, 183, 211-227.e20.	28.9	49

#	ARTICLE	IF	CITATIONS
19	Parvalbumin ⁺ and Npas1 ⁺ Pallidal Neurons Have Distinct Circuit Topology and Function. <i>Journal of Neuroscience</i> , 2020, 40, 7855-7876.	3.6	49
20	Disrupting cortico-cerebellar communication impairs dexterity. <i>ELife</i> , 2021, 10, .	6.0	37
21	Molecular Logic of Spinocerebellar Tract Neuron Diversity and Connectivity. <i>Cell Reports</i> , 2019, 27, 2620-2635.e4.	6.4	36
22	Motor cortical output for skilled forelimb movement is selectively distributed across projection neuron classes. <i>Science Advances</i> , 2022, 8, eabj5167.	10.3	33
23	A genetically defined insula-brainstem circuit selectively controls motivational vigor. <i>Cell</i> , 2021, 184, 6344-6360.e18.	28.9	28
24	Molecular and genetic features of a labeled class of spinal substantia gelatinosa neurons in a transgenic mouse. <i>Journal of Comparative Neurology</i> , 2005, 492, 90-100.	1.6	26
25	Developmental pattern and structural factors of dendritic survival in cerebellar granule cells in vivo. <i>Scientific Reports</i> , 2018, 8, 17561.	3.3	9
26	Satb2 Stations Neurons along Reflex Arcs. <i>Neuron</i> , 2016, 91, 711-713.	8.1	0