Bryan M Hooks

List of Publications by Year
in descending order

28	4,606	331670 21	501196 28
papers	citations	h-index	g-index

33	33	33	6591
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A toolbox of Cre-dependent optogenetic transgenic mice for light-induced activation and silencing. Nature Neuroscience, 2012, 15, 793-802.	14.8	1,153
2	Long-Range Neuronal Circuits Underlying the Interaction between Sensory and Motor Cortex. Neuron, 2011, 72, 111-123.	8.1	447
3	Learning-related fine-scale specificity imaged in motor cortex circuits of behaving mice. Nature, 2010, 464, 1182-1186.	27.8	409
4	Organization of Cortical and Thalamic Input to Pyramidal Neurons in Mouse Motor Cortex. Journal of Neuroscience, 2013, 33, 748-760.	3.6	313
5	Loss of erbB signaling in oligodendrocytes alters myelin and dopaminergic function, a potential mechanism for neuropsychiatric disorders. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 8131-8136.	7.1	279
6	Distinct Roles for Spontaneous and Visual Activity in Remodeling of the Retinogeniculate Synapse. Neuron, 2006, 52, 281-291.	8.1	270
7	Ephus: multipurpose data acquisition software for neuroscience experiments. Frontiers in Neural Circuits, 2010, 4, 100.	2.8	247
8	High-performance probes for light and electron microscopy. Nature Methods, 2015, 12, 568-576.	19.0	225
9	Critical Periods in the Visual System: Changing Views for a Model of Experience-Dependent Plasticity. Neuron, 2007, 56, 312-326.	8.1	218
10	Circuitry Underlying Experience-Dependent Plasticity in the Mouse Visual System. Neuron, 2020, 106, 21-36.	8.1	124
11	Circuit Changes in Motor Cortex During Motor Skill Learning. Neuroscience, 2018, 368, 283-297.	2.3	123
12	Topographic precision in sensory and motor corticostriatal projections varies across cell type and cortical area. Nature Communications, 2018, 9, 3549.	12.8	109
13	Distinct Balance of Excitation and Inhibition in an Interareal Feedforward and Feedback Circuit of Mouse Visual Cortex. Journal of Neuroscience, 2013, 33, 17373-17384.	3.6	93
14	Vision Triggers an Experience-Dependent Sensitive Period at the Retinogeniculate Synapse. Journal of Neuroscience, 2008, 28, 4807-4817.	3.6	87
15	Dual-Channel Circuit Mapping Reveals Sensorimotor Convergence in the Primary Motor Cortex. Journal of Neuroscience, 2015, 35, 4418-4426.	3.6	87
16	Npas1⁺-Nkx2.1⁺Neurons Are an Integral Part of the Cortico-pallido-cortical Loop. Journal of Neuroscience, 2020, 40, 743-768.	3.6	71
17	Cyclic fatigue of a mica-containing glass-ceramic at Hertzian contacts. Journal of Materials Research, 1994, 9, 2654-2661.	2.6	68
18	Mapping the transcriptional diversity of genetically and anatomically defined cell populations in the mouse brain. ELife, 2019, 8, .	6.0	59

#	Article	IF	Citations
19	A Role for Stargazin in Experience-Dependent Plasticity. Cell Reports, 2014, 7, 1614-1625.	6.4	48
20	Sensorimotor Convergence in Circuitry of the Motor Cortex. Neuroscientist, 2017, 23, 251-263.	3.5	41
21	Wireless Optogenetic Modulation of Cortical Neurons Enabled by Radioluminescent Nanoparticles. ACS Nano, 2021, 15, 5201-5208.	14.6	31
22	Automatic navigation system for the mouse brain. Journal of Comparative Neurology, 2019, 527, 2200-2211.	1.6	22
23	Whole mouse brain reconstruction and registration to a reference atlas with standard histochemical processing of coronal sections. Journal of Comparative Neurology, 2019, 527, 2170-2178.	1.6	17
24	Metabotropic glutamate receptors and glutamate transporters shape transmission at the developing retinogeniculate synapse. Journal of Neurophysiology, 2013, 109, 113-123.	1.8	16
25	Flaw tolerance and toughness curves in two-phase particulate composites: SiC/glass system. Journal of the European Ceramic Society, 1994, 13, 149-157.	5.7	14
26	Thorough GABAergic innervation of the entire axon initial segment revealed by an optogenetic â€˜laserspritzerâ€™. Journal of Physiology, 2014, 592, 4257-4276.	2.9	13
27	Dualâ€Channel Photostimulation for Independent Excitation of Two Populations. Current Protocols in Neuroscience, 2018, 85, e52.	2.6	6
28	Basal ganglia circuits. , 2020, , 221-242.		2