

Bryan M Hooks

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

4,606
citations

331670

21
h-index

501196

28
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33
all docs

33
docs citations

33
times ranked

6591
citing authors

#	ARTICLE	IF	CITATIONS
1	Wireless Optogenetic Modulation of Cortical Neurons Enabled by Radioluminescent Nanoparticles. ACS Nano, 2021, 15, 5201-5208.	14.6	31
2	Basal ganglia circuits. , 2020, , 221-242.		2
3	Npas1 ⁺ -Nkx2.1 ⁺ Neurons Are an Integral Part of the Cortico-pallido-cortical Loop. Journal of Neuroscience, 2020, 40, 743-768.	3.6	71
4	Circuitry Underlying Experience-Dependent Plasticity in the Mouse Visual System. Neuron, 2020, 106, 21-36.	8.1	124
5	Automatic navigation system for the mouse brain. Journal of Comparative Neurology, 2019, 527, 2200-2211.	1.6	22
6	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
7	Mapping the transcriptional diversity of genetically and anatomically defined cell populations in the mouse brain. ELife, 2019, 8, .	6.0	59
8	Circuit Changes in Motor Cortex During Motor Skill Learning. Neuroscience, 2018, 368, 283-297.	2.3	123
9	Topographic precision in sensory and motor corticostriatal projections varies across cell type and cortical area. Nature Communications, 2018, 9, 3549.	12.8	109
10	Dual-Channel Photostimulation for Independent Excitation of Two Populations. Current Protocols in Neuroscience, 2018, 85, e52.	2.6	6
11	Sensorimotor Convergence in Circuitry of the Motor Cortex. Neuroscientist, 2017, 23, 251-263.	3.5	41
12	High-performance probes for light and electron microscopy. Nature Methods, 2015, 12, 568-576.	19.0	225
13	Dual-Channel Circuit Mapping Reveals Sensorimotor Convergence in the Primary Motor Cortex. Journal of Neuroscience, 2015, 35, 4418-4426.	3.6	87
14	Thorough GABAergic innervation of the entire axon initial segment revealed by an optogenetic <i>ChR2</i> ™. Journal of Physiology, 2014, 592, 4257-4276.	2.9	13
15	A Role for Stargazin in Experience-Dependent Plasticity. Cell Reports, 2014, 7, 1614-1625.	6.4	48
16	Organization of Cortical and Thalamic Input to Pyramidal Neurons in Mouse Motor Cortex. Journal of Neuroscience, 2013, 33, 748-760.	3.6	313
17	Metabotropic glutamate receptors and glutamate transporters shape transmission at the developing retinogeniculate synapse. Journal of Neurophysiology, 2013, 109, 113-123.	1.8	16
18	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

#	ARTICLE	IF	CITATIONS
19	A toolbox of Cre-dependent optogenetic transgenic mice for light-induced activation and silencing. <i>Nature Neuroscience</i> , 2012, 15, 793-802.	14.8	1,153
20	Long-Range Neuronal Circuits Underlying the Interaction between Sensory and Motor Cortex. <i>Neuron</i> , 2011, 72, 111-123.	8.1	447
21	Learning-related fine-scale specificity imaged in motor cortex circuits of behaving mice. <i>Nature</i> , 2010, 464, 1182-1186.	27.8	409
22	Ephus: multipurpose data acquisition software for neuroscience experiments. <i>Frontiers in Neural Circuits</i> , 2010, 4, 100.	2.8	247
23	Vision Triggers an Experience-Dependent Sensitive Period at the Retinogeniculate Synapse. <i>Journal of Neuroscience</i> , 2008, 28, 4807-4817.	3.6	87
24	Loss of erbB signaling in oligodendrocytes alters myelin and dopaminergic function, a potential mechanism for neuropsychiatric disorders. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 8131-8136.	7.1	279
25	Critical Periods in the Visual System: Changing Views for a Model of Experience-Dependent Plasticity. <i>Neuron</i> , 2007, 56, 312-326.	8.1	218
26	Distinct Roles for Spontaneous and Visual Activity in Remodeling of the Retinogeniculate Synapse. <i>Neuron</i> , 2006, 52, 281-291.	8.1	270
27	Cyclic fatigue of a mica-containing glass-ceramic at Hertzian contacts. <i>Journal of Materials Research</i> , 1994, 9, 2654-2661.	2.6	68
28	Flaw tolerance and toughness curves in two-phase particulate composites: SiC/glass system. <i>Journal of the European Ceramic Society</i> , 1994, 13, 149-157.	5.7	14