

Brett D Mensh

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

4,464
citations

172457

29
h-index

302126

39
g-index

47
all docs

47
docs citations

47
times ranked

6601
citing authors

#	ARTICLE	IF	CITATIONS
1	A multilevel multimodal circuit enhances action selection in <i>Drosophila</i> . <i>Nature</i> , 2015, 520, 633-639.	27.8	410
2	Bright and photostable chemigenetic indicators for extended in vivo voltage imaging. <i>Science</i> , 2019, 365, 699-704.	12.6	362
3	A Proposal for a Coordinated Effort for the Determination of Brainwide Neuroanatomical Connectivity in Model Organisms at a Mesoscopic Scale. <i>PLoS Computational Biology</i> , 2009, 5, e1000334.	3.2	242
4	Dopamine Is Required for the Neural Representation and Control of Movement Vigor. <i>Cell</i> , 2015, 162, 1418-1430.	28.9	241
5	A large fraction of neocortical myelin ensheathes axons of local inhibitory neurons. <i>ELife</i> , 2016, 5, .	6.0	226
6	Glia Accumulate Evidence that Actions Are Futile and Suppress Unsuccessful Behavior. <i>Cell</i> , 2019, 178, 27-43.e19.	28.9	226
7	Thalamus provides layer 4 of primary visual cortex with orientation- and direction-tuned inputs. <i>Nature Neuroscience</i> , 2016, 19, 308-315.	14.8	210
8	Cortex commands the performance of skilled movement. <i>ELife</i> , 2015, 4, e10774.	6.0	207
9	Convergence of pontine and proprioceptive streams onto multimodal cerebellar granule cells. <i>ELife</i> , 2013, 2, e00400.	6.0	206
10	Cortical pattern generation during dexterous movement is input-driven. <i>Nature</i> , 2020, 577, 386-391.	27.8	196
11	Hippocampal Pyramidal Neurons Comprise Two Distinct Cell Types that Are Countermodulated by Metabotropic Receptors. <i>Neuron</i> , 2012, 76, 776-789.	8.1	168
12	Illusory movement perception improves motor control for prosthetic hands. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	162
13	A suppression hierarchy among competing motor programs drives sequential grooming in <i>Drosophila</i> . <i>ELife</i> , 2014, 3, e02951.	6.0	156
14	A repeated molecular architecture across thalamic pathways. <i>Nature Neuroscience</i> , 2019, 22, 1925-1935.	14.8	132
15	The Serotonergic System Tracks the Outcomes of Actions to Mediate Short-Term Motor Learning. <i>Cell</i> , 2016, 167, 933-946.e20.	28.9	130
16	BCI Competition 2003â€”Data Set Ia: Combining Gamma-Band Power With Slow Cortical Potentials to Improve Single-Trial Classification of Electroencephalographic Signals. <i>IEEE Transactions on Biomedical Engineering</i> , 2004, 51, 1052-1056.	4.2	127
17	Slow integration leads to persistent action potential firing in distal axons of coupled interneurons. <i>Nature Neuroscience</i> , 2011, 14, 200-207.	14.8	117
18	Functional dissection of circuitry in a neural integrator. <i>Nature Neuroscience</i> , 2007, 10, 494-504.	14.8	114

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19	Preventing cytokine storm syndrome in COVID-19 using $\hat{\iota}$ -1 adrenergic receptor antagonists. <i>Journal of Clinical Investigation</i> , 2020, 130, 3345-3347.	8.2	107
20	Deconstructing behavioral neuropharmacology with cellular specificity. <i>Science</i> , 2017, 356, .	12.6	99
21	Dendritic sodium spikes are required for long-term potentiation at distal synapses on hippocampal pyramidal neurons. <i>ELife</i> , 2015, 4, .	6.0	77
22	Susceptibility of Interstitial Continuous Glucose Monitor Performance to Sleeping Position. <i>Journal of Diabetes Science and Technology</i> , 2013, 7, 863-870.	2.2	58
23	Cell-Type-Specific Outcome Representation in the Primary Motor Cortex. <i>Neuron</i> , 2020, 107, 954-971.e9.	8.1	50
24	Ten simple rules for structuring papers. <i>PLoS Computational Biology</i> , 2017, 13, e1005619.	3.2	48
25	Two-photon calcium imaging during fictive navigation in virtual environments. <i>Frontiers in Neural Circuits</i> , 2013, 7, 104.	2.8	46
26	To the Cloud! A Grassroots Proposal to Accelerate Brain Science Discovery. <i>Neuron</i> , 2016, 92, 622-627.	8.1	46
27	Parameter Space Analysis Suggests Multi-Site Plasticity Contributes to Motor Pattern Initiation in <i>Tritonia</i> . <i>Journal of Neurophysiology</i> , 2007, 98, 2382-2398.	1.8	45
28	Glucose Sensing in the Peritoneal Space Offers Faster Kinetics Than Sensing in the Subcutaneous Space. <i>Diabetes</i> , 2014, 63, 2498-2505.	0.6	43
29	Plasticity and tuning by visual feedback of the stability of a neural integrator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 7739-7744.	7.1	40
30	PET Network Abnormalities and Cognitive Decline in Patients with Mild Cognitive Impairment. <i>Neuropsychopharmacology</i> , 2006, 31, 1327-1334.	5.4	34
31	A Case and Review of Noma. <i>PLoS Neglected Tropical Diseases</i> , 2010, 4, e869.	3.0	28
32	Mechanisms of retroaxonal barrage firing in hippocampal interneurons. <i>Journal of Physiology</i> , 2013, 591, 4793-4805.	2.9	26
33	Alpha-1 adrenergic receptor antagonists to prevent hyperinflammation and death from lower respiratory tract infection. <i>ELife</i> , 2021, 10, .	6.0	21
34	Connectal coding: discovering the structures linking cognitive phenotypes to individual histories. <i>Current Opinion in Neurobiology</i> , 2019, 55, 199-212.	4.2	14
35	Brain-wide, scale-wide physiology underlying behavioral flexibility in zebrafish. <i>Current Opinion in Neurobiology</i> , 2020, 64, 151-160.	4.2	14
36	Reversal of experimental paralysis in a human by intranasal neostigmine aerosol suggests a novel approach to the early treatment of neurotoxic envenomation. <i>Clinical Case Reports (discontinued)</i> , 2013, 1, 7-15.	0.5	10

#	ARTICLE	IF	CITATIONS
37	Early Treatment with Intranasal Neostigmine Reduces Mortality in a Mouse Model of Naja naja (Indian) Tj ETQq1 1 0.784314 rgBT / Over	1.7	7
38	Emotor control: computations underlying bodily resource allocation, emotions, and confidence. Dialogues in Clinical Neuroscience, 2015, 17, 391-401.	3.7	5
39	Technetium-99m Labeled Micro Aerosol ^{99m}Tc -A New Agent for Ventilation Imaging in Suspected Pulmonary Emboli. Clinical Nuclear Medicine, 1993, 18, 1045-1052.	1.3	3
40	4. Neuroimaging Studies of ECT. Journal of ECT, 1999, 15, 103.	0.6	0