

Kevin D Johnston

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,626
citations

361413

20
h-index

330143

37
g-index

51
all docs

51
docs citations

51
times ranked

1634
citing authors

#	ARTICLE	IF	CITATIONS
1	Top-Down Control-Signal Dynamics in Anterior Cingulate and Prefrontal Cortex Neurons following Task Switching. <i>Neuron</i> , 2007, 53, 453-462.	8.1	249
2	Theta-activity in anterior cingulate cortex predicts task rules and their adjustments following errors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 5248-5253.	7.1	206
3	Neurophysiology and neuroanatomy of reflexive and voluntary saccades in non-human primates. <i>Brain and Cognition</i> , 2008, 68, 271-283.	1.8	121
4	Monkey Dorsolateral Prefrontal Cortex Sends Task-Selective Signals Directly to the Superior Colliculus. <i>Journal of Neuroscience</i> , 2006, 26, 12471-12478.	3.6	116
5	Control of the superior colliculus by the lateral prefrontal cortex. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20130068.	4.0	86
6	Monkey Prefrontal Cortical Pyramidal and Putative Interneurons Exhibit Differential Patterns of Activity Between Prosaccade and Antisaccade Tasks. <i>Journal of Neuroscience</i> , 2009, 29, 5516-5524.	3.6	69
7	Methods for chair restraint and training of the common marmoset on oculomotor tasks. <i>Journal of Neurophysiology</i> , 2018, 119, 1636-1646.	1.8	65
8	Neural Activity in Monkey Prefrontal Cortex Is Modulated by Task Context and Behavioral Instruction during Delayed-match-to-sample and Conditional Prosaccade Antisaccade Tasks. <i>Journal of Cognitive Neuroscience</i> , 2006, 18, 749-765.	2.3	63
9	Macaque Dorsolateral Prefrontal Cortex Does not Suppress Saccade-Related Activity in the Superior Colliculus. <i>Cerebral Cortex</i> , 2014, 24, 1373-1388.	2.9	53
10	Alpha Oscillations Modulate Preparatory Activity in Marmoset Area 8Ad. <i>Journal of Neuroscience</i> , 2019, 39, 1855-1866.	3.6	49
11	Functional Localization of the Frontal Eye Fields in the Common Marmoset Using Microstimulation. <i>Journal of Neuroscience</i> , 2019, 39, 9197-9206.	3.6	41
12	A change detection approach to study visual working memory of the macaque monkey. <i>Journal of Vision</i> , 2011, 11, 11-11.	0.3	36
13	Microstimulation of monkey dorsolateral prefrontal cortex impairs antisaccade performance. <i>Experimental Brain Research</i> , 2008, 190, 463-473.	1.5	35
14	Task-based fMRI of a free-viewing visuo-saccadic network in the marmoset monkey. <i>NeuroImage</i> , 2019, 202, 116147.	4.2	35
15	Face selective patches in marmoset frontal cortex. <i>Nature Communications</i> , 2020, 11, 4856.	12.8	34
16	Connectivity of the Primate Superior Colliculus Mapped by Concurrent Microstimulation and Event-Related fMRI. <i>PLoS ONE</i> , 2008, 3, e3928.	2.5	30
17	Bilateral saccadic deficits following large and reversible inactivation of unilateral frontal eye field. <i>Journal of Neurophysiology</i> , 2014, 111, 415-433.	1.8	29
18	Stimulus-Locked Responses on Human Upper Limb Muscles and Corrective Reaches Are Preferentially Evoked by Low Spatial Frequencies. <i>ENeuro</i> , 2019, 6, ENEURO.0301-19.2019.	1.9	27

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19	Ketamine Alters Lateral Prefrontal Oscillations in a Rule-Based Working Memory Task. <i>Journal of Neuroscience</i> , 2018, 38, 2482-2494.	3.6	26
20	Interspecies activation correlations reveal functional correspondences between marmoset and human brain areas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	26
21	Task-relevant Output Signals are Sent from Monkey Dorsolateral Prefrontal Cortex to the Superior Colliculus during a Visuospatial Working Memory Task. <i>Journal of Cognitive Neuroscience</i> , 2008, 21, 1023-1038.	2.3	23
22	Functional Specialization within Macaque Dorsolateral Prefrontal Cortex for the Maintenance of Task Rules and Cognitive Control. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 1918-1927.	2.3	22
23	Electrical microstimulation evokes saccades in posterior parietal cortex of common marmosets. <i>Journal of Neurophysiology</i> , 2019, 122, 1765-1776.	1.8	20
24	Effects of Anterior Cingulate Microstimulation on Pro- and Antisaccades in Nonhuman Primates. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 481-490.	2.3	16
25	Single-unit activity in marmoset posterior parietal cortex in a gap saccade task. <i>Journal of Neurophysiology</i> , 2020, 123, 896-911.	1.8	15
26	Simultaneous functional MRI of two awake marmosets. <i>Nature Communications</i> , 2021, 12, 6608.	12.8	15
27	Unilateral deactivation of macaque dorsolateral prefrontal cortex induces biases in stimulus selection. <i>Journal of Neurophysiology</i> , 2016, 115, 1468-1476.	1.8	14
28	Functional reorganization during the recovery of contralesional target selection deficits after prefrontal cortex lesions in macaque monkeys. <i>NeuroImage</i> , 2020, 207, 116339.	4.2	14
29	Macaque anterior cingulate cortex deactivation impairs performance and alters lateral prefrontal oscillatory activities in a rule-switching task. <i>PLoS Biology</i> , 2019, 17, e3000045.	5.6	13
30	Effects of acute ethyl alcohol consumption on a psychophysical measure of lateral inhibition in human vision. <i>Vision Research</i> , 2008, 48, 1539-1544.	1.4	12
31	In vivo manganese tract tracing of frontal eye fields in rhesus macaques with ultra-high field MRI: Comparison with DWI tractography. <i>NeuroImage</i> , 2018, 181, 211-218.	4.2	12
32	Methylphenidate does not enhance visual working memory but benefits motivation in macaque monkeys. <i>Neuropharmacology</i> , 2016, 109, 223-235.	4.1	10
33	Frontal cortex and flexible control of saccades. , 2011, , .		8
34	Neural correlates for task switching in the macaque superior colliculus. <i>Journal of Neurophysiology</i> , 2017, 118, 2156-2170.	1.8	7
35	Recovery of contralesional saccade choice and reaction time deficits after a unilateral endothelin-1-induced lesion in the macaque caudal prefrontal cortex. <i>Journal of Neurophysiology</i> , 2019, 122, 672-690.	1.8	6
36	Ketamine disrupts gaze patterns during face viewing in the common marmoset. <i>Journal of Neurophysiology</i> , 2021, 126, 330-339.	1.8	6

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37	Alcohol and Lateral Inhibitory Interactions in Human Vision. <i>Perception</i> , 2013, 42, 1301-1310.	1.2	3
38	A novel 3-choice touchscreen task to examine spatial attention and orienting responses in rodents. <i>ENeuro</i> , 2021, 8, ENEURO.0032-20.2021.	1.9	3
39	Acute Alcohol Consumption Impairs Controlled but Not Automatic Processes in a Psychophysical Pointing Paradigm. <i>PLoS ONE</i> , 2013, 8, e68682.	2.5	2
40	Structural alterations in cortical and thalamocortical white matter tracts after recovery from prefrontal cortex lesions in macaques. <i>NeuroImage</i> , 2021, 232, 117919.	4.2	2
41	An Approach to Understanding the Neural Circuitry of Saccade Control in the Cerebral Cortex Using Antidromic Identification in the Awake Behaving Macaque Monkey Model. <i>NeuroMethods</i> , 2011, , 161-181.	0.3	2