Steven W Kennerley

List of Publications by Year in descending order

43 papers	5,883 citations	172457 29 h-index	302126 39 g-index
50 all docs	50 docs citations	50 times ranked	5546 citing authors

#	Article	IF	Citations
1	Action sets and decisions in the medial frontal cortex. Trends in Cognitive Sciences, 2004, 8, 410-417.	7.8	911
2	Optimal decision making and the anterior cingulate cortex. Nature Neuroscience, 2006, 9, 940-947.	14.8	802
3	Double dissociation of value computations in orbitofrontal and anterior cingulate neurons. Nature Neuroscience, 2011, 14, 1581-1589.	14.8	408
4	Neurons in the Frontal Lobe Encode the Value of Multiple Decision Variables. Journal of Cognitive Neuroscience, 2009, 21, 1162-1178.	2.3	398
5	Frontal Cortex Subregions Play Distinct Roles in Choices between Actions and Stimuli. Journal of Neuroscience, 2008, 28, 13775-13785.	3.6	299
6	Oscillatory phase coupling coordinates anatomically dispersed functional cell assemblies. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17356-17361.	7.1	251
7	Callosotomy patients exhibit temporal uncoupling during continuous bimanual movements. Nature Neuroscience, 2002, 5, 376-381.	14.8	198
8	Organization of Action Sequences and the Role of the Pre-SMA. Journal of Neurophysiology, 2004, 91, 978-993.	1.8	194
9	Evaluating choices by single neurons in the frontal lobe: outcome value encoded across multiple decision variables. European Journal of Neuroscience, 2009, 29, 2061-2073.	2.6	189
10	Neural Signatures of Value Comparison in Human Cingulate Cortex during Decisions Requiring an Effort-Reward Trade-off. Journal of Neuroscience, 2016, 36, 10002-10015.	3.6	187
11	Heterogeneous reward signals in prefrontal cortex. Current Opinion in Neurobiology, 2010, 20, 191-198.	4.2	172
12	Triple dissociation of attention and decision computations across prefrontal cortex. Nature Neuroscience, 2018, 21, 1471-1481.	14.8	149
13	Adaptive decision making and value in the anterior cingulate cortex. NeuroImage, 2007, 36, T142-T154.	4.2	139
14	Decision making and reward in frontal cortex: Complementary evidence from neurophysiological and neuropsychological studies.. Behavioral Neuroscience, 2011, 125, 297-317.	1.2	133
15	Moving to Directly Cued Locations Abolishes Spatial Interference During Bimanual Actions. Psychological Science, 2001, 12, 493-498.	3.3	125
16	Reward-Dependent Modulation of Working Memory in Lateral Prefrontal Cortex. Journal of Neuroscience, 2009, 29, 3259-3270.	3.6	117
17	Single-Neuron Mechanisms Underlying Cost-Benefit Analysis in Frontal Cortex. Journal of Neuroscience, 2013, 33, 17385-17397.	3.6	115
18	Reconciling persistent and dynamic hypotheses of working memory coding in prefrontal cortex. Nature Communications, 2018, 9, 3498.	12.8	112

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19	Behavioral Modeling of Human Choices Reveals Dissociable Effects of Physical Effort and Temporal Delay on Reward Devaluation. PLoS Computational Biology, 2015, 11, e1004116.	3.2	104
20	Encoding of Reward and Space During a Working Memory Task in the Orbitofrontal Cortex and Anterior Cingulate Sulcus. Journal of Neurophysiology, 2009, 102, 3352-3364.	1.8	93
21	Contrasting reward signals in the orbitofrontal cortex and anterior cingulate cortex. Annals of the New York Academy of Sciences, 2011, 1239, 33-42.	3.8	92
22	Autocorrelation structure at rest predicts value correlates of single neurons during reward-guided choice. ELife, 2016, 5, .	6.0	88
23	Independent on-line control of the two hands during bimanual reaching. European Journal of Neuroscience, 2004, 19, 1643-1652.	2.6	75
24	Capturing the temporal evolution of choice across prefrontal cortex. ELife, 2015, 4, .	6.0	70
25	Encoding of Gustatory Working Memory by Orbitofrontal Neurons. Journal of Neuroscience, 2009, 29, 765-774.	3.6	69
26	Cognitive Neuroscience: Resolving Conflict in and over the Medial Frontal Cortex. Current Biology, 2005, 15, R54-R56.	3.9	60
27	Bimanual cross-talk during reaching movements is primarily related to response selection, not the specification of motor parameters. Psychological Research, 2003, 67, 56-70.	1.7	59
28	Bimanual interference associated with the selection of target locations.. Journal of Experimental Psychology: Human Perception and Performance, 2003, 29, 64-77.	0.9	48
29	A Diversity of Intrinsic Timescales Underlie Neural Computations. Frontiers in Neural Circuits, 2020, 14, 615626.	2.8	44
30	Approach-Induced Biases in Human Information Sampling. PLoS Biology, 2016, 14, e2000638.	5.6	43
31	Transferring structural knowledge across cognitive maps in humans and models. Nature Communications, 2020, 11, 4783.	12.8	32
32	Prioritising the relevant information for learning and decision making within orbital and ventromedial prefrontal cortex. Current Opinion in Behavioral Sciences, 2015, 1, 78-85.	3.9	26
33	Combined model-free and model-sensitive reinforcement learning in non-human primates. PLoS Computational Biology, 2020, 16, e1007944.	3.2	17
34	Mymou: A low-cost, wireless touchscreen system for automated training of nonhuman primates. Behavior Research Methods, 2019, 51, 2559-2572.	4.0	16
35	Visual fixation patterns during economic choice reflect covert valuation processes that emerge with learning. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22795-22801.	7.1	14
36	A circuit mechanism for decision-making biases and NMDA receptor hypofunction. ELife, 2020, 9, .	6.0	14

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37	Comparing Continuous and Discrete Movements with fMRI. Annals of the New York Academy of Sciences, 2002, 978, 509-510.	3.8	5
38	Is the reward really worth it?. Nature Neuroscience, 2012, 15, 647-649.	14.8	2
39	In the blink of an eye: Value and novelty drive saccades. Annals of Medicine and Surgery, 2015, 4, 319-320.	1.1	0
40	Combined model-free and model-sensitive reinforcement learning in non-human primates. , 2020, 16, e1007944.		0
41	Combined model-free and model-sensitive reinforcement learning in non-human primates. , 2020, 16, e1007944.		0
42	Combined model-free and model-sensitive reinforcement learning in non-human primates. , 2020, 16, e1007944.		0
43	Combined model-free and model-sensitive reinforcement learning in non-human primates. , 2020, 16, e1007944.		0