James Kilner

List of Publications by Year
in descending order

77 papers	13,465 citations	46918 47 h-index	69108 77 g-index
81 all docs	81 docs citations	81 times ranked	10080 citing authors

#	Article	IF	Citations
1	Non-invasive intervention for motor signs of Parkinsonâ€™s disease: the effect of vibratory stimuli. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 109-110.	0.9	3
2	Relationship between cardiac cycle and the timing of actions during action execution and observation. Cognition, 2021, 217, 104907.	1.1	11
3	Active sampling in visual search is coupled to the cardiac cycle. Cognition, 2020, 196, 104149.	1.1	61
4	Dopaminergic Modulation of Sensory Attenuation in Parkinson's Disease: Is There an Underlying Modulation of Beta Power?. Frontiers in Neurology, 2019, 10, 1001.	1.1	3
5	Sensorimotor beta power reflects the precision-weighting afforded to sensory prediction errors. NeuroImage, 2019, 200, 59-71.	2.1	48
6	Emotional facedness in Parkinsonâ€™s disease. Journal of Neural Transmission, 2018, 125, 1819-1827.	1.4	11
7	Highâ€frequency peripheral vibration decreases completion time on a number of motor tasks. European Journal of Neuroscience, 2018, 48, 1789-1802.	1.2	15
8	The role of interoceptive inference in theory of mind. Brain and Cognition, 2017, 112, 64-68.	0.8	100
9	Children on the autism spectrum update their behaviour in response to a volatile environment. Developmental Science, 2017, 20, e12435.	1.3	54
10	Facial Emotion Recognition and Expression in Parkinsonâ€™s Disease: An Emotional Mirror Mechanism?. PLoS ONE, 2017, 12, e0169110.	1.1	83
11	Grasp-specific motor resonance is influenced byÂthe visibility of the observed actor. Cortex, 2016, 84, 43-54.	1.1	18
12	Dopaminergic treatment modulates sensory attenuation at the onset of the movement in Parkinson's disease: A test of a new framework for bradykinesia. Movement Disorders, 2016, 31, 143-146.	2.2	26
13	A New Framework to Explain Sensorimotor Beta Oscillations. Trends in Cognitive Sciences, 2016, 20, 321-323.	4.0	38
14	Linking differences in action perception with differences in action execution. Social Cognitive and Affective Neuroscience, 2015, 10, 1121-1127.	1.5	9
15	Acquisition of Paleolithic toolmaking abilities involves structural remodeling to inferior frontoparietal regions. Brain Structure and Function, 2015, 220, 2315-2331.	1.2	94
16	Observing, Performing, and Understanding Actions: Revisiting the Role of Cortical Motor Areas in Processing of Action Words. Journal of Cognitive Neuroscience, 2014, 26, 1644-1653.	1.1	19
17	Relating the â€œmirrornessâ€•of mirror neurons to their origins. Behavioral and Brain Sciences, 2014, 37, 207-208.	0.4	1
18	Do monkey F5 mirror neurons show changes in firing rate during repeated observation of natural actions?. Journal of Neurophysiology, 2014, 111, 1214-1226.	0.9	23

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19	What We Know Currently about Mirror Neurons. Current Biology, 2013, 23, R1057-R1062.	1.8	273
20	Bias in a common EEG and MEG statistical analysis and how to avoid it. Clinical Neurophysiology, 2013, 124, 2062-2063.	0.7	84
21	The time course of eye movements during action observation reflects sequence learning. NeuroReport, 2013, 24, 822-826.	0.6	4
22	Dysconnectivity in the Frontoparietal Attention Network in Schizophrenia. Frontiers in Psychiatry, 2013, 4, 176.	1.3	53
23	Inferring subjective states through the observation of actions. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 4853-4860.	1.2	70
24	Role of the parietal cortex in predicting incoming actions. NeuroImage, 2012, 59, 556-564.	2.1	99
25	A dynamic causal model for evoked and induced responses. NeuroImage, 2012, 59, 340-348.	2.1	56
26	Dissociable roles of human inferior frontal gyrus during action execution and observation. NeuroImage, 2012, 60, 1671-1677.	2.1	82
27	An fMRI study of joint actionâ€“varying levels of cooperation correlates with activity in control networks. Frontiers in Human Neuroscience, 2012, 6, 179.	1.0	30
28	More than one pathway to action understanding. Trends in Cognitive Sciences, 2011, 15, 352-357.	4.0	356
29	Action understanding and active inference. Biological Cybernetics, 2011, 104, 137-160.	0.6	550
30	EEG and MEG Data Analysis in SPM8. Computational Intelligence and Neuroscience, 2011, 2011, 1-32.	1.1	500
31	Neural Correlates of Sequence Learning with Stochastic Feedback. Journal of Cognitive Neuroscience, 2011, 23, 1346-1357.	1.1	4
32	Learning to understand others' actions. Biology Letters, 2011, 7, 457-460.	1.0	70
33	Dynamic Modulation of Human Motor Activity When Observing Actions. Journal of Neuroscience, 2011, 31, 2792-2800.	1.7	101
34	Bayesian Comparison of Neurovascular Coupling Models Using EEG-fMRI. PLoS Computational Biology, 2011, 7, e1002070.	1.5	26
35	Action and behavior: a free-energy formulation. Biological Cybernetics, 2010, 102, 227-260.	0.6	686
36	What is simulated in the action observation network when we observe actions?. European Journal of Neuroscience, 2010, 32, 1765-1770.	1.2	52

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37	Nonlinear Coupling in the Human Motor System. Journal of Neuroscience, 2010, 30, 8393-8399.	1.7	50
38	Estimating the transfer function from neuronal activity to BOLD using simultaneous EEG-fMRI. NeuroImage, 2010, 49, 1496-1509.	2.1	95
39	Changing meaning causes coupling changes within higher levels of the cortical hierarchy. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11765-11770.	3.3	19
40	Relationship between Activity in Human Primary Motor Cortex during Action Observation and the Mirror Neuron System. PLoS ONE, 2009, 4, e4925.	1.1	94
41	Evidence of Mirror Neurons in Human Inferior Frontal Gyrus. Journal of Neuroscience, 2009, 29, 10153-10159.	1.7	459
42	Vowel-specific mismatch responses in the anterior superior temporal gyrus: An fMRI study. Cortex, 2009, 45, 517-526.	1.1	38
43	The mismatch negativity: A review of underlying mechanisms. Clinical Neurophysiology, 2009, 120, 453-463.	0.7	1,109
44	Forward and backward connections in the brain: A DCM study of functional asymmetries. NeuroImage, 2009, 45, 453-462.	2.1	96
45	Repetition suppression and plasticity in the human brain. NeuroImage, 2009, 48, 269-279.	2.1	192
46	Dynamic Causal Modeling of the Response to Frequency Deviants. Journal of Neurophysiology, 2009, 101, 2620-2631.	0.9	173
47	Action Observation: Inferring Intentions without Mirror Neurons. Current Biology, 2008, 18, R32-R33.	1.8	65
48	The functional anatomy of the MMN: A DCM study of the roving paradigm. NeuroImage, 2008, 42, 936-944.	2.1	392
49	Evoked brain responses are generated by feedback loops. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20961-20966.	3.3	241
50	A possible role for primary motor cortex during action observation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 8683-8684.	3.3	41
51	Neural correlates of perceptual filling-in of an artificial scotoma in humans. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5211-5216.	3.3	35
52	The mirror-neuron system: a Bayesian perspective. NeuroReport, 2007, 18, 619-623.	0.6	279
53	Robust Bayesian general linear models. NeuroImage, 2007, 36, 661-671.	2.1	24
54	Dynamic causal modelling of evoked potentials: A reproducibility study. NeuroImage, 2007, 36, 571-580.	2.1	205

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55	Interference effect of observed human movement on action is due to velocity profile of biological motion. Social Neuroscience, 2007, 2, 158-166.	0.7	156
56	How does the mirror neuron system change during development?. Developmental Science, 2007, 10, 524-526.	1.3	27
57	Brain systems for assessing facial attractiveness. Neuropsychologia, 2007, 45, 195-206.	0.7	357
58	Predictive coding: an account of the mirror neuron system. Cognitive Processing, 2007, 8, 159-166.	0.7	845
59	Dynamic causal modeling of evoked responses in EEG and MEG. NeuroImage, 2006, 30, 1255-1272.	2.1	563
60	Mechanisms of evoked and induced responses in MEG/EEG. NeuroImage, 2006, 31, 1580-1591.	2.1	246
61	A free energy principle for the brain. Journal of Physiology (Paris), 2006, 100, 70-87.	2.1	891
62	Modulation of the mirror system by social relevance. Social Cognitive and Affective Neuroscience, 2006, 1, 143-148.	1.5	138
63	Modulations in the degree of synchronization during ongoing oscillatory activity in the human brain. European Journal of Neuroscience, 2005, 21, 2547-2554.	1.2	35
64	Integrated Neural Representations of Odor Intensity and Affective Valence in Human Amygdala. Journal of Neuroscience, 2005, 25, 8903-8907.	1.7	254
65	Hemodynamic correlates of EEG: A heuristic. NeuroImage, 2005, 28, 280-286.	2.1	188
66	Applications of random field theory to electrophysiology. Neuroscience Letters, 2005, 374, 174-178.	1.0	134
67	Coupling of Oscillatory Activity Between Muscles Is Strikingly Reduced in a Deafferented Subject Compared With Normal Controls. Journal of Neurophysiology, 2004, 92, 790-796.	0.9	72
68	Motor activation prior to observation of a predicted movement. Nature Neuroscience, 2004, 7, 1299-1301.	7.1	335
69	Functional connectivity during real vs imagined visuomotor tasks: an EEG study. NeuroReport, 2004, 15, 637-642.	0.6	20
70	An Interference Effect of Observed Biological Movement on Action. Current Biology, 2003, 13, 522-525.	1.8	801
71	Augmentation of induced visual gamma activity by increased task complexity. European Journal of Neuroscience, 2003, 18, 2351-2356.	1.2	31
72	Task-Dependent Modulations of Cortical Oscillatory Activity in Human Subjects during a Bimanual Precision Grip Task. NeuroImage, 2003, 18, 67-73.	2.1	107

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73	Event-related brain dynamics. Trends in Neurosciences, 2002, 25, 387-389.	4.2	86
74	A novel algorithm to remove electrical crossâ€talk between surface EMG recordings and its application to the measurement of shortâ€term synchronisation in humans. Journal of Physiology, 2002, 538, 919-930.	1.3	66
75	Modulation of synchrony between single motor units during precision grip tasks in humans. Journal of Physiology, 2002, 541, 937-948.	1.3	67
76	Human Cortical Muscle Coherence Is Directly Related to Specific Motor Parameters. Journal of Neuroscience, 2000, 20, 8838-8845.	1.7	361
77	The role of synchrony and oscillations in the motor output. Experimental Brain Research, 1999, 128, 109-117.	0.7	360