

# James Kilner

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78  
papers

10,641  
citations

45  
h-index

81  
g-index

81  
ext. papers

12,359  
ext. citations

5.6  
avg, IF

6.45  
L-index

#	Paper	IF	Citations
78	Relationship between cardiac cycle and the timing of actions during action execution and observation. <i>Cognition</i> , <b>2021</b> , 217, 104907	3.5	2
77	Active sampling in visual search is coupled to the cardiac cycle. <i>Cognition</i> , <b>2020</b> , 196, 104149	3.5	29
76	Non-invasive intervention for motor signs of Parkinson's disease: the effect of vibratory stimuli. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2020</b> ,	5.5	1
75	Sensorimotor beta power reflects the precision-weighting afforded to sensory prediction errors. <i>NeuroImage</i> , <b>2019</b> , 200, 59-71	7.9	17
74	Dopaminergic Modulation of Sensory Attenuation in Parkinson's Disease: Is There an Underlying Modulation of Beta Power?. <i>Frontiers in Neurology</i> , <b>2019</b> , 10, 1001	4.1	2
73	High-frequency peripheral vibration decreases completion time on a number of motor tasks. <i>European Journal of Neuroscience</i> , <b>2018</b> , 48, 1789-1802	3.5	6
72	Emotional facedness in Parkinson's disease. <i>Journal of Neural Transmission</i> , <b>2018</b> , 125, 1819-1827	4.3	5
71	The role of interoceptive inference in theory of mind. <i>Brain and Cognition</i> , <b>2017</b> , 112, 64-68	2.7	71
70	Children on the autism spectrum update their behaviour in response to a volatile environment. <i>Developmental Science</i> , <b>2017</b> , 20, e12435	4.5	32
69	Facial Emotion Recognition and Expression in Parkinson's Disease: An Emotional Mirror Mechanism?. <i>PLoS ONE</i> , <b>2017</b> , 12, e0169110	3.7	55
68	A New Framework to Explain Sensorimotor Beta Oscillations. <i>Trends in Cognitive Sciences</i> , <b>2016</b> , 20, 321-323	4.4	25
67	Grasp-specific motor resonance is influenced by the visibility of the observed actor. <i>Cortex</i> , <b>2016</b> , 84, 43-54	3.8	12
66	Dopaminergic treatment modulates sensory attenuation at the onset of the movement in Parkinson's disease: A test of a new framework for bradykinesia. <i>Movement Disorders</i> , <b>2016</b> , 31, 143-6	7	19
65	Acquisition of Paleolithic toolmaking abilities involves structural remodeling to inferior frontoparietal regions. <i>Brain Structure and Function</i> , <b>2015</b> , 220, 2315-31	4	70
64	Linking differences in action perception with differences in action execution. <i>Social Cognitive and Affective Neuroscience</i> , <b>2015</b> , 10, 1121-7	4	8
63	Do monkey F5 mirror neurons show changes in firing rate during repeated observation of natural actions?. <i>Journal of Neurophysiology</i> , <b>2014</b> , 111, 1214-26	3.2	19
62	Observing, performing, and understanding actions: revisiting the role of cortical motor areas in processing of action words. <i>Journal of Cognitive Neuroscience</i> , <b>2014</b> , 26, 1644-53	3.1	14

61	Relating the "mirrorness" of mirror neurons to their origins. <i>Behavioral and Brain Sciences</i> , <b>2014</b> , 37, 207-8.9	1
60	What we know currently about mirror neurons. <i>Current Biology</i> , <b>2013</b> , 23, R1057-62	6.3 194
59	Bias in a common EEG and MEG statistical analysis and how to avoid it. <i>Clinical Neurophysiology</i> , <b>2013</b> , 124, 2062-3	4.3 61
58	The time course of eye movements during action observation reflects sequence learning. <i>NeuroReport</i> , <b>2013</b> , 24, 822-6	1.7 4
57	Dysconnectivity in the frontoparietal attention network in schizophrenia. <i>Frontiers in Psychiatry</i> , <b>2013</b> , 4, 176	5 45
56	Role of the parietal cortex in predicting incoming actions. <i>NeuroImage</i> , <b>2012</b> , 59, 556-64	7.9 84
55	A dynamic causal model for evoked and induced responses. <i>NeuroImage</i> , <b>2012</b> , 59, 340-8	7.9 37
54	Dissociable roles of human inferior frontal gyrus during action execution and observation. <i>NeuroImage</i> , <b>2012</b> , 60, 1671-7	7.9 75
53	An fMRI study of joint action-varying levels of cooperation correlates with activity in control networks. <i>Frontiers in Human Neuroscience</i> , <b>2012</b> , 6, 179	3.3 23
52	Inferring subjective states through the observation of actions. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2012</b> , 279, 4853-60	4.4 43
51	More than one pathway to action understanding. <i>Trends in Cognitive Sciences</i> , <b>2011</b> , 15, 352-7	14 296
50	Action understanding and active inference. <i>Biological Cybernetics</i> , <b>2011</b> , 104, 137-60	2.8 427
49	EEG and MEG data analysis in SPM8. <i>Computational Intelligence and Neuroscience</i> , <b>2011</b> , 2011, 852961	3 398
48	Neural correlates of sequence learning with stochastic feedback. <i>Journal of Cognitive Neuroscience</i> , <b>2011</b> , 23, 1346-57	3.1 3
47	Learning to understand others' actions. <i>Biology Letters</i> , <b>2011</b> , 7, 457-60	3.6 69
46	Dynamic modulation of human motor activity when observing actions. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 2792-800	6.6 81
45	Bayesian comparison of neurovascular coupling models using EEG-fMRI. <i>PLoS Computational Biology</i> , <b>2011</b> , 7, e1002070	5 22
44	What is simulated in the action observation network when we observe actions?. <i>European Journal of Neuroscience</i> , <b>2010</b> , 32, 1765-70	3.5 44

43	Nonlinear coupling in the human motor system. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 8393-9	6.6	43
42	Estimating the transfer function from neuronal activity to BOLD using simultaneous EEG-fMRI. <i>NeuroImage</i> , <b>2010</b> , 49, 1496-509	7.9	82
41	Action and behavior: a free-energy formulation. <i>Biological Cybernetics</i> , <b>2010</b> , 102, 227-60	2.8	517
40	Changing meaning causes coupling changes within higher levels of the cortical hierarchy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 11765-70	11.5	19
39	Relationship between activity in human primary motor cortex during action observation and the mirror neuron system. <i>PLoS ONE</i> , <b>2009</b> , 4, e4925	3.7	80
38	Evidence of mirror neurons in human inferior frontal gyrus. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 10153-9	6.6	401
37	Vowel-specific mismatch responses in the anterior superior temporal gyrus: an fMRI study. <i>Cortex</i> , <b>2009</b> , 45, 517-26	3.8	32
36	The mismatch negativity: a review of underlying mechanisms. <i>Clinical Neurophysiology</i> , <b>2009</b> , 120, 453-63	4.3	802
35	Forward and backward connections in the brain: a DCM study of functional asymmetries. <i>NeuroImage</i> , <b>2009</b> , 45, 453-62	7.9	78
34	Repetition suppression and plasticity in the human brain. <i>NeuroImage</i> , <b>2009</b> , 48, 269-79	7.9	135
33	Dynamic causal modeling of the response to frequency deviants. <i>Journal of Neurophysiology</i> , <b>2009</b> , 101, 2620-31	3.2	128
32	Action observation: inferring intentions without mirror neurons. <i>Current Biology</i> , <b>2008</b> , 18, R32-3	6.3	48
31	The functional anatomy of the MMN: a DCM study of the roving paradigm. <i>NeuroImage</i> , <b>2008</b> , 42, 936-44	7.9	277
30	Interference effect of observed human movement on action is due to velocity profile of biological motion. <i>Social Neuroscience</i> , <b>2007</b> , 2, 158-66	2	140
29	How does the mirror neuron system change during development?. <i>Developmental Science</i> , <b>2007</b> , 10, 524-65	4.5	21
28	Brain systems for assessing facial attractiveness. <i>Neuropsychologia</i> , <b>2007</b> , 45, 195-206	3.2	311
27	Predictive coding: an account of the mirror neuron system. <i>Cognitive Processing</i> , <b>2007</b> , 8, 159-66	1.5	663
26	Evoked brain responses are generated by feedback loops. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 20961-6	11.5	198

25	A possible role for primary motor cortex during action observation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 8683-4	11.5	38
24	Neural correlates of perceptual filling-in of an artificial scotoma in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 5211-6	11.5	28
23	The mirror-neuron system: a Bayesian perspective. <i>NeuroReport</i> , <b>2007</b> , 18, 619-23	1.7	244
22	Robust Bayesian General Linear Models. <i>NeuroImage</i> , <b>2007</b> , 36, 661-71	7.9	20
21	Dynamic causal modelling of evoked potentials: a reproducibility study. <i>NeuroImage</i> , <b>2007</b> , 36, 571-80	7.9	162
20	A free energy principle for the brain. <i>Journal of Physiology (Paris)</i> , <b>2006</b> , 100, 70-87		593
19	Modulation of the mirror system by social relevance. <i>Social Cognitive and Affective Neuroscience</i> , <b>2006</b> , 1, 143-8	4	128
18	Dynamic causal modeling of evoked responses in EEG and MEG. <i>NeuroImage</i> , <b>2006</b> , 30, 1255-72	7.9	456
17	Mechanisms of evoked and induced responses in MEG/EEG. <i>NeuroImage</i> , <b>2006</b> , 31, 1580-91	7.9	199
16	Hemodynamic correlates of EEG: a heuristic. <i>NeuroImage</i> , <b>2005</b> , 28, 280-6	7.9	170
15	Applications of random field theory to electrophysiology. <i>Neuroscience Letters</i> , <b>2005</b> , 374, 174-8	3.3	110
14	Modulations in the degree of synchronization during ongoing oscillatory activity in the human brain. <i>European Journal of Neuroscience</i> , <b>2005</b> , 21, 2547-54	3.5	33
13	Integrated neural representations of odor intensity and affective valence in human amygdala. <i>Journal of Neuroscience</i> , <b>2005</b> , 25, 8903-7	6.6	228
12	Coupling of oscillatory activity between muscles is strikingly reduced in a deafferented subject compared with normal controls. <i>Journal of Neurophysiology</i> , <b>2004</b> , 92, 790-6	3.2	58
11	Motor activation prior to observation of a predicted movement. <i>Nature Neuroscience</i> , <b>2004</b> , 7, 1299-301	25.5	293
10	Functional connectivity during real vs imagined visuomotor tasks: an EEG study. <i>NeuroReport</i> , <b>2004</b> , 15, 637-42	1.7	17
9	An interference effect of observed biological movement on action. <i>Current Biology</i> , <b>2003</b> , 13, 522-5	6.3	697
8	Augmentation of induced visual gamma activity by increased task complexity. <i>European Journal of Neuroscience</i> , <b>2003</b> , 18, 2351-6	3.5	30

7	Task-dependent modulations of cortical oscillatory activity in human subjects during a bimanual precision grip task. <i>NeuroImage</i> , <b>2003</b> , 18, 67-73	7.9	75
6	A novel algorithm to remove electrical cross-talk between surface EMG recordings and its application to the measurement of short-term synchronisation in humans. <i>Journal of Physiology</i> , <b>2002</b> , 538, 919-30	3.9	57
5	Modulation of synchrony between single motor units during precision grip tasks in humans. <i>Journal of Physiology</i> , <b>2002</b> , 541, 937-48	3.9	61
4	Event-related brain dynamics. <i>Trends in Neurosciences</i> , <b>2002</b> , 25, 387-9	13.3	70
3	Human cortical muscle coherence is directly related to specific motor parameters. <i>Journal of Neuroscience</i> , <b>2000</b> , 20, 8838-45	6.6	310
2	The role of synchrony and oscillations in the motor output. <i>Experimental Brain Research</i> , <b>1999</b> , 128, 109-173		293
1	Humans can infer the heartbeats of others when looking at their face		2