

# James Kilner

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5569797/publications.pdf>

Version: 2024-02-01

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	The mismatch negativity: A review of underlying mechanisms. <i>Clinical Neurophysiology</i> , 2009, 120, 453-463.	0.7	1,109
2	A free energy principle for the brain. <i>Journal of Physiology (Paris)</i> , 2006, 100, 70-87.	2.1	891
3	Predictive coding: an account of the mirror neuron system. <i>Cognitive Processing</i> , 2007, 8, 159-166.	0.7	845
4	An Interference Effect of Observed Biological Movement on Action. <i>Current Biology</i> , 2003, 13, 522-525.	1.8	801
5	Action and behavior: a free-energy formulation. <i>Biological Cybernetics</i> , 2010, 102, 227-260.	0.6	686
6	Dynamic causal modeling of evoked responses in EEG and MEG. <i>NeuroImage</i> , 2006, 30, 1255-1272.	2.1	563
7	Action understanding and active inference. <i>Biological Cybernetics</i> , 2011, 104, 137-160.	0.6	550
8	EEG and MEG Data Analysis in SPM8. <i>Computational Intelligence and Neuroscience</i> , 2011, 2011, 1-32.	1.1	500
9	Evidence of Mirror Neurons in Human Inferior Frontal Gyrus. <i>Journal of Neuroscience</i> , 2009, 29, 10153-10159.	1.7	459
10	The functional anatomy of the MMN: A DCM study of the roving paradigm. <i>NeuroImage</i> , 2008, 42, 936-944.	2.1	392
11	Human Cortical Muscle Coherence Is Directly Related to Specific Motor Parameters. <i>Journal of Neuroscience</i> , 2000, 20, 8838-8845.	1.7	361
12	The role of synchrony and oscillations in the motor output. <i>Experimental Brain Research</i> , 1999, 128, 109-117.	0.7	360
13	Brain systems for assessing facial attractiveness. <i>Neuropsychologia</i> , 2007, 45, 195-206.	0.7	357
14	More than one pathway to action understanding. <i>Trends in Cognitive Sciences</i> , 2011, 15, 352-357.	4.0	356
15	Motor activation prior to observation of a predicted movement. <i>Nature Neuroscience</i> , 2004, 7, 1299-1301.	7.1	335
16	The mirror-neuron system: a Bayesian perspective. <i>NeuroReport</i> , 2007, 18, 619-623.	0.6	279
17	What We Know Currently about Mirror Neurons. <i>Current Biology</i> , 2013, 23, R1057-R1062.	1.8	273
18	Integrated Neural Representations of Odor Intensity and Affective Valence in Human Amygdala. <i>Journal of Neuroscience</i> , 2005, 25, 8903-8907.	1.7	254

#	ARTICLE	IF	CITATIONS
19	Mechanisms of evoked and induced responses in MEG/EEG. <i>NeuroImage</i> , 2006, 31, 1580-1591.	2.1	246
20	Evoked brain responses are generated by feedback loops. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20961-20966.	3.3	241
21	Dynamic causal modelling of evoked potentials: A reproducibility study. <i>NeuroImage</i> , 2007, 36, 571-580.	2.1	205
22	Repetition suppression and plasticity in the human brain. <i>NeuroImage</i> , 2009, 48, 269-279.	2.1	192
23	Hemodynamic correlates of EEG: A heuristic. <i>NeuroImage</i> , 2005, 28, 280-286.	2.1	188
24	Dynamic Causal Modeling of the Response to Frequency Deviants. <i>Journal of Neurophysiology</i> , 2009, 101, 2620-2631.	0.9	173
25	Interference effect of observed human movement on action is due to velocity profile of biological motion. <i>Social Neuroscience</i> , 2007, 2, 158-166.	0.7	156
26	Modulation of the mirror system by social relevance. <i>Social Cognitive and Affective Neuroscience</i> , 2006, 1, 143-148.	1.5	138
27	Applications of random field theory to electrophysiology. <i>Neuroscience Letters</i> , 2005, 374, 174-178.	1.0	134
28	Task-Dependent Modulations of Cortical Oscillatory Activity in Human Subjects during a Bimanual Precision Grip Task. <i>NeuroImage</i> , 2003, 18, 67-73.	2.1	107
29	Dynamic Modulation of Human Motor Activity When Observing Actions. <i>Journal of Neuroscience</i> , 2011, 31, 2792-2800.	1.7	101
30	The role of interoceptive inference in theory of mind. <i>Brain and Cognition</i> , 2017, 112, 64-68.	0.8	100
31	Role of the parietal cortex in predicting incoming actions. <i>NeuroImage</i> , 2012, 59, 556-564.	2.1	99
32	Forward and backward connections in the brain: A DCM study of functional asymmetries. <i>NeuroImage</i> , 2009, 45, 453-462.	2.1	96
33	Estimating the transfer function from neuronal activity to BOLD using simultaneous EEG-fMRI. <i>NeuroImage</i> , 2010, 49, 1496-1509.	2.1	95
34	Relationship between Activity in Human Primary Motor Cortex during Action Observation and the Mirror Neuron System. <i>PLoS ONE</i> , 2009, 4, e4925.	1.1	94
35	Acquisition of Paleolithic toolmaking abilities involves structural remodeling to inferior frontoparietal regions. <i>Brain Structure and Function</i> , 2015, 220, 2315-2331.	1.2	94
36	Event-related brain dynamics. <i>Trends in Neurosciences</i> , 2002, 25, 387-389.	4.2	86

#	ARTICLE	IF	CITATIONS
37	Bias in a common EEG and MEG statistical analysis and how to avoid it. <i>Clinical Neurophysiology</i> , 2013, 124, 2062-2063.	0.7	84
38	Facial Emotion Recognition and Expression in Parkinson's Disease: An Emotional Mirror Mechanism?. <i>PLoS ONE</i> , 2017, 12, e0169110.	1.1	83
39	Dissociable roles of human inferior frontal gyrus during action execution and observation. <i>NeuroImage</i> , 2012, 60, 1671-1677.	2.1	82
40	Coupling of Oscillatory Activity Between Muscles Is Strikingly Reduced in a Deafferented Subject Compared With Normal Controls. <i>Journal of Neurophysiology</i> , 2004, 92, 790-796.	0.9	72
41	Learning to understand others' actions. <i>Biology Letters</i> , 2011, 7, 457-460.	1.0	70
42	Inferring subjective states through the observation of actions. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 4853-4860.	1.2	70
43	Modulation of synchrony between single motor units during precision grip tasks in humans. <i>Journal of Physiology</i> , 2002, 541, 937-948.	1.3	67
44	A novel algorithm to remove electrical crosstalk between surface EMG recordings and its application to the measurement of short-term synchronisation in humans. <i>Journal of Physiology</i> , 2002, 538, 919-930.	1.3	66
45	Action Observation: Inferring Intentions without Mirror Neurons. <i>Current Biology</i> , 2008, 18, R32-R33.	1.8	65
46	Active sampling in visual search is coupled to the cardiac cycle. <i>Cognition</i> , 2020, 196, 104149.	1.1	61
47	A dynamic causal model for evoked and induced responses. <i>NeuroImage</i> , 2012, 59, 340-348.	2.1	56
48	Children on the autism spectrum update their behaviour in response to a volatile environment. <i>Developmental Science</i> , 2017, 20, e12435.	1.3	54
49	Dysconnectivity in the Frontoparietal Attention Network in Schizophrenia. <i>Frontiers in Psychiatry</i> , 2013, 4, 176.	1.3	53
50	What is simulated in the action observation network when we observe actions?. <i>European Journal of Neuroscience</i> , 2010, 32, 1765-1770.	1.2	52
51	Nonlinear Coupling in the Human Motor System. <i>Journal of Neuroscience</i> , 2010, 30, 8393-8399.	1.7	50
52	Sensorimotor beta power reflects the precision-weighting afforded to sensory prediction errors. <i>NeuroImage</i> , 2019, 200, 59-71.	2.1	48
53	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> , 2007, 104, 8683-8684.	3.3	41
54	Vowel-specific mismatch responses in the anterior superior temporal gyrus: An fMRI study. <i>Cortex</i> , 2009, 45, 517-526.	1.1	38

#	ARTICLE	IF	CITATIONS
55	A New Framework to Explain Sensorimotor Beta Oscillations. Trends in Cognitive Sciences, 2016, 20, 321-323.	4.0	38
56	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
57	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
58	Augmentation of induced visual gamma activity by increased task complexity. European Journal of Neuroscience, 2003, 18, 2351-2356.	1.2	31
59	An fMRI study of joint action—varying levels of cooperation correlates with activity in control networks. Frontiers in Human Neuroscience, 2012, 6, 179.	1.0	30
60	How does the mirror neuron system change during development?. Developmental Science, 2007, 10, 524-526.	1.3	27
61	Bayesian Comparison of Neurovascular Coupling Models Using EEG-fMRI. PLoS Computational Biology, 2011, 7, e1002070.	1.5	26
62	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
63	Robust Bayesian general linear models. NeuroImage, 2007, 36, 661-671.	2.1	24
64	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
65	Functional connectivity during real vs imagined visuomotor tasks: an EEG study. NeuroReport, 2004, 15, 637-642.	0.6	20
66	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
67	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
68	Grasp-specific motor resonance is influenced by the visibility of the observed actor. Cortex, 2016, 84, 43-54.	1.1	18
69	High-frequency peripheral vibration decreases completion time on a number of motor tasks. European Journal of Neuroscience, 2018, 48, 1789-1802.	1.2	15
70	Emotional facedness in Parkinson's disease. Journal of Neural Transmission, 2018, 125, 1819-1827.	1.4	11
71	Relationship between cardiac cycle and the timing of actions during action execution and observation. Cognition, 2021, 217, 104907.	1.1	11
72	Linking differences in action perception with differences in action execution. Social Cognitive and Affective Neuroscience, 2015, 10, 1121-1127.	1.5	9

#	ARTICLE	IF	CITATIONS
73	Neural Correlates of Sequence Learning with Stochastic Feedback. Journal of Cognitive Neuroscience, 2011, 23, 1346-1357.	1.1	4
74	The time course of eye movements during action observation reflects sequence learning. NeuroReport, 2013, 24, 822-826.	0.6	4
75	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
76	Non-invasive intervention for motor signs of Parkinson's disease: the effect of vibratory stimuli. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 109-110.	0.9	3
77	Relating the "mirroriness" of mirror neurons to their origins. Behavioral and Brain Sciences, 2014, 37, 207-208.	0.4	1