

Rosalyn J Moran

List of Publications by Citations

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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.

27 papers	1,114 citations	15 h-index	29 g-index
29 ext. papers	1,367 ext. citations	5.2 avg, IF	4.25 L-index

#	Paper	IF	Citations
27	Free energy, precision and learning: the role of cholinergic neuromodulation. <i>Journal of Neuroscience</i> , 2013 , 33, 8227-36	6.6	183
26	Evidence that Subanesthetic Doses of Ketamine Cause Sustained Disruptions of NMDA and AMPA-Mediated Frontoparietal Connectivity in Humans. <i>Journal of Neuroscience</i> , 2015 , 35, 11694-706	6.6	141
25	Neural masses and fields in dynamic causal modeling. <i>Frontiers in Computational Neuroscience</i> , 2013 , 7, 57	3.5	135
24	Alterations in brain connectivity underlying beta oscillations in Parkinsonism. <i>PLoS Computational Biology</i> , 2011 , 7, e1002124	5	126
23	An in vivo assay of synaptic function mediating human cognition. <i>Current Biology</i> , 2011 , 21, 1320-5	6.3	105
22	Dynamic causal models and physiological inference: a validation study using isoflurane anaesthesia in rodents. <i>PLoS ONE</i> , 2011 , 6, e22790	3.7	68
21	Losing control under ketamine: suppressed cortico-hippocampal drive following acute ketamine in rats. <i>Neuropsychopharmacology</i> , 2015 , 40, 268-77	8.7	61
20	Consistent spectral predictors for dynamic causal models of steady-state responses. <i>NeuroImage</i> , 2011 , 55, 1694-708	7.9	52
19	Circadian dynamics in measures of cortical excitation and inhibition balance. <i>Scientific Reports</i> , 2016 , 6, 33661	4.9	46
18	Precision and neuronal dynamics in the human posterior parietal cortex during evidence accumulation. <i>NeuroImage</i> , 2015 , 107, 219-228	7.9	33
17	Profiling neuronal ion channelopathies with non-invasive brain imaging and dynamic causal models: Case studies of single gene mutations. <i>NeuroImage</i> , 2016 , 124, 43-53	7.9	23
16	Dynamic causal modelling of COVID-19. <i>Wellcome Open Research</i> , 2020 , 5, 89	4.8	23
15	Dynamic causal modelling of COVID-19. <i>Wellcome Open Research</i> , 2020 , 5, 89	4.8	22
14	Second waves, social distancing, and the spread of COVID-19 across America. <i>Wellcome Open Research</i> , 2020 , 5, 103	4.8	21
13	Dynamic causal modelling of seizure activity in a rat model. <i>NeuroImage</i> , 2017 , 146, 518-532	7.9	20
12	Testing and tracking in the UK: A dynamic causal modelling study. <i>Wellcome Open Research</i> , 2020 , 5, 144	4.8	8
11	Modelling lockdown-induced 2nd COVID waves in France		7

10	Aging into Perceptual Control: A Dynamic Causal Modeling for fMRI Study of Bistable Perception. <i>Frontiers in Human Neuroscience</i> , 2016 , 10, 141	3.3	7
9	Deep brain stimulation for neurodegenerative disease: a computational blueprint using dynamic causal modeling. <i>Progress in Brain Research</i> , 2015 , 222, 125-46	2.9	5
8	Estimating required lockdown cycles before immunity to SARS-CoV-2: model-based analyses of susceptible population sizes, 80% in seven European countries, including the UK and Ireland. <i>Wellcome Open Research</i> , 5, 85	4.8	5
7	Second waves, social distancing, and the spread of COVID-19 across America. <i>Wellcome Open Research</i> , 2020 , 5, 103	4.8	5
6	Effective immunity and second waves: a dynamic causal modelling study. <i>Wellcome Open Research</i> , 2020 , 5, 204	4.8	4
5	On the reliability of model-based predictions in the context of the current COVID epidemic event: impact of outbreak peak phase and data paucity		4
4	Effective immunity and second waves: a dynamic causal modelling study. <i>Wellcome Open Research</i> , 2020 , 5, 204	4.8	3
3	Testing and tracking in the UK: A dynamic causal modelling study. <i>Wellcome Open Research</i> , 5, 144	4.8	3
2	Dynamic causal modelling of immune heterogeneity. <i>Scientific Reports</i> , 2021 , 11, 11400	4.9	2
1	Second waves, social distancing, and the spread of COVID-19 across the USA. <i>Wellcome Open Research</i> , 5, 103	4.8	2