

# Adeel Razi

## List of Publications by Year in Descending Order

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**Version:** 2024-04-25

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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.

86  
papers

2,742  
citations

27  
h-index

51  
g-index

115  
ext. papers

4,164  
ext. citations

6.3  
avg, IF

5.55  
L-index

#	Paper	IF	Citations
86	Reduced Precision Underwrites Ego Dissolution and Therapeutic Outcomes Under Psychedelics.. <i>Frontiers in Neuroscience</i> , <b>2022</b> , 16, 827400	5.1	0
85	Effective connectivity during face processing in major depression - distinguishing markers of pathology, risk, and resilience.. <i>Psychological Medicine</i> , <b>2022</b> , 1-13	6.9	0
84	A mathematical perspective on edge-centric brain functional connectivity.. <i>Nature Communications</i> , <b>2022</b> , 13, 2693	17.4	3
83	A Generative Model to Synthesize EEG Data for Epileptic Seizure Prediction. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2021</b> , 29, 2322-2332	4.8	4
82	Progressive modulation of resting-state brain activity during neurofeedback of positive-social emotion regulation networks. <i>Scientific Reports</i> , <b>2021</b> , 11, 23363	4.9	1
81	Imbalanced basal ganglia connectivity is associated with motor deficits and apathy in Huntington's disease. <i>Brain</i> , <b>2021</b> ,	11.2	2
80	Identification of community structure-based brain states and transitions using functional MRI. <i>NeuroImage</i> , <b>2021</b> , 244, 118635	7.9	0
79	Tracking Huntington's Disease Progression Using Motor, Functional, Cognitive, and Imaging Markers. <i>Movement Disorders</i> , <b>2021</b> , 36, 2282-2292	7	0
78	Machine Learning for Predicting Epileptic Seizures Using EEG Signals: A Review. <i>IEEE Reviews in Biomedical Engineering</i> , <b>2021</b> , 14, 139-155	6.4	43
77	Parcels and particles: Markov blankets in the brain. <i>Network Neuroscience</i> , <b>2021</b> , 5, 211-251	5.6	19
76	Spectral dynamic causal modelling in healthy women reveals brain connectivity changes along the menstrual cycle. <i>Communications Biology</i> , <b>2021</b> , 4, 954	6.7	2
75	Neural network modelling reveals changes in directional connectivity between cortical and hypothalamic regions with increased BMI. <i>International Journal of Obesity</i> , <b>2021</b> , 45, 2447-2454	5.5	1
74	Blue-Light Therapy Strengthens Resting-State Effective Connectivity within Default-Mode Network after Mild TBI. <i>Journal of Central Nervous System Disease</i> , <b>2021</b> , 13, 11795735211015076	4.4	1
73	Brain Injury and Dementia in Pakistan: Current Perspectives. <i>Frontiers in Neurology</i> , <b>2020</b> , 11, 299	4.1	4
72	Asymmetric high-order anatomical brain connectivity sculpts effective connectivity. <i>Network Neuroscience</i> , <b>2020</b> , 4, 871-890	5.6	3
71	Bayesian fusion and multimodal DCM for EEG and fMRI. <i>NeuroImage</i> , <b>2020</b> , 211, 116595	7.9	16
70	The physiological effects of noninvasive brain stimulation fundamentally differ across the human cortex. <i>Science Advances</i> , <b>2020</b> , 6, eaay2739	14.3	32

69	Dynamic causal modelling of COVID-19. <i>Wellcome Open Research</i> , <b>2020</b> , 5, 89	4.8	22
68	Dynamic causal modelling of COVID-19. <i>Wellcome Open Research</i> , <b>2020</b> , 5, 89	4.8	23
67	Second waves, social distancing, and the spread of COVID-19 across America. <i>Wellcome Open Research</i> , <b>2020</b> , 5, 103	4.8	21
66	Effective immunity and second waves: a dynamic causal modelling study. <i>Wellcome Open Research</i> , <b>2020</b> , 5, 204	4.8	3
65	Effective immunity and second waves: a dynamic causal modelling study. <i>Wellcome Open Research</i> , <b>2020</b> , 5, 204	4.8	4
64	Convergence of cortical types and functional motifs in the human mesiotemporal lobe. <i>ELife</i> , <b>2020</b> , 9,	8.9	19
63	Questions and controversies in the study of time-varying functional connectivity in resting fMRI. <i>Network Neuroscience</i> , <b>2020</b> , 4, 30-69	5.6	159
62	The effect of global signal regression on DCM estimates of noise and effective connectivity from resting state fMRI. <i>NeuroImage</i> , <b>2020</b> , 208, 116435	7.9	9
61	On Markov blankets and hierarchical self-organisation. <i>Journal of Theoretical Biology</i> , <b>2020</b> , 486, 110089	2.3	37
60	The neurophysiological architecture of semantic dementia: spectral dynamic causal modelling of a neurodegenerative proteinopathy. <i>Scientific Reports</i> , <b>2020</b> , 10, 16321	4.9	4
59	Leveraging Data Science to Combat COVID-19: A Comprehensive Review. <i>IEEE Transactions on Artificial Intelligence</i> , <b>2020</b> , 1, 85-103	4.7	63
58	Second waves, social distancing, and the spread of COVID-19 across America. <i>Wellcome Open Research</i> , <b>2020</b> , 5, 103	4.8	5
57	Inferring neural signalling directionality from undirected structural connectomes. <i>Nature Communications</i> , <b>2019</b> , 10, 4289	17.4	27
56	Effective connectivity changes in LSD-induced altered states of consciousness in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 2743-2748	11.5	87
55	Dynamic causal modelling of fluctuating connectivity in resting-state EEG. <i>NeuroImage</i> , <b>2019</b> , 189, 476-484	7.9	22
54	A guide to group effective connectivity analysis, part 1: First level analysis with DCM for fMRI. <i>NeuroImage</i> , <b>2019</b> , 200, 174-190	7.9	88
53	Using resting-state DMN effective connectivity to characterize the neurofunctional architecture of empathy. <i>Scientific Reports</i> , <b>2019</b> , 9, 2603	4.9	11
52	Transdiagnostic variations in impulsivity and compulsivity in obsessive-compulsive disorder and gambling disorder correlate with effective connectivity in cortical-striatal-thalamic-cortical circuits. <i>NeuroImage</i> , <b>2019</b> , 202, 116070	7.9	19

51	Volitional modulation of higher-order visual cortex alters human perception. <i>NeuroImage</i> , <b>2019</b> , 188, 291-301	7.9	1
50	Dynamic causal modelling revisited. <i>NeuroImage</i> , <b>2019</b> , 199, 730-744	7.9	97
49	The Hierarchical Organization of the Default, Dorsal Attention and Salience Networks in Adolescents and Young Adults. <i>Cerebral Cortex</i> , <b>2018</b> , 28, 726-737	5.1	77
48	Variability and reliability of effective connectivity within the core default mode network: A multi-site longitudinal spectral DCM study. <i>NeuroImage</i> , <b>2018</b> , 183, 757-768	7.9	31
47	Computational Modelling of Pathogenic Protein Behaviour-Governing Mechanisms in the Brain. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 532-539	0.9	
46	Altered intrinsic and extrinsic connectivity in schizophrenia. <i>NeuroImage: Clinical</i> , <b>2018</b> , 17, 704-716	5.3	35
45	Brain Regions Showing White Matter Loss in Huntington's Disease Are Enriched for Synaptic and Metabolic Genes. <i>Biological Psychiatry</i> , <b>2018</b> , 83, 456-465	7.9	54
44	Dynamic effective connectivity in resting state fMRI. <i>NeuroImage</i> , <b>2018</b> , 180, 594-608	7.9	62
43	Testing a longitudinal compensation model in premanifest Huntington's disease. <i>Brain</i> , <b>2018</b> , 141, 2156-2166	2.66	19
42	A validation of dynamic causal modelling for 7T fMRI. <i>Journal of Neuroscience Methods</i> , <b>2018</b> , 305, 36-45	3	10
41	White matter predicts functional connectivity in premanifest Huntington's disease. <i>Annals of Clinical and Translational Neurology</i> , <b>2017</b> , 4, 106-118	5.3	21
40	Regression DCM for fMRI. <i>NeuroImage</i> , <b>2017</b> , 155, 406-421	7.9	66
39	Large-scale DCMs for resting-state fMRI. <i>Network Neuroscience</i> , <b>2017</b> , 1, 222-241	5.6	85
38	Operationalizing compensation over time in neurodegenerative disease. <i>Brain</i> , <b>2017</b> , 140, 1158-1165	11.2	39
37	Structural and functional brain network correlates of depressive symptoms in premanifest Huntington's disease. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 2819-2829	5.9	17
36	26th Annual Computational Neuroscience Meeting (CNS*2017): Part 3. <i>BMC Neuroscience</i> , <b>2017</b> , 18,	3.2	2
35	1609 Length of white matter connexions determine their rate of atrophy in premanifest huntington's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2017</b> , 88, A9.2-A9	5.5	
34	Hierarchical Dynamic Causal Modeling of Resting-State fMRI Reveals Longitudinal Changes in Effective Connectivity in the Motor System after Thalamotomy for Essential Tremor. <i>Frontiers in Neurology</i> , <b>2017</b> , 8, 346	4.1	27

33	Topological length of white matter connections predicts their rate of atrophy in premanifest Huntington's disease. <i>JCI Insight</i> , <b>2017</b> , 2,	9.9	27
32	D20 Operationalising compensation over time in neurodegenerative disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2016</b> , 87, A41.2-A41	5.5	
31	D22 Compensation in preclinical huntington's disease: evidence from the track-on HD study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2016</b> , 87, A42.2-A42	5.5	
30	Bayesian model reduction and empirical Bayes for group (DCM) studies. <i>NeuroImage</i> , <b>2016</b> , 128, 413-431	7.9	253
29	Extrinsic and Intrinsic Brain Network Connectivity Maintains Cognition across the Lifespan Despite Accelerated Decay of Regional Brain Activation. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 3115-26	6.6	115
28	Mapping Smoking Addiction Using Effective Connectivity Analysis. <i>Frontiers in Human Neuroscience</i> , <b>2016</b> , 10, 195	3.3	15
27	D18 Brain network breakdown and pathophysiological correlates in huntington's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2016</b> , 87, A40.2-A40	5.5	
26	D21 Longitudinal compensation in the cognitive network in huntington's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2016</b> , 87, A42.1-A42	5.5	
25	. <i>IEEE Signal Processing Magazine</i> , <b>2016</b> , 33, 14-35	9.4	38
24	Tight upper bounds on average detection probability in cooperative relay networks with selection combiner. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2015</b> , 26, 340-345	1.9	7
23	Construct validation of a DCM for resting state fMRI. <i>NeuroImage</i> , <b>2015</b> , 106, 1-14	7.9	148
22	Selective vulnerability of Rich Club brain regions is an organizational principle of structural connectivity loss in Huntington's disease. <i>Brain</i> , <b>2015</b> , 138, 3327-44	11.2	66
21	Compensation in Preclinical Huntington's Disease: Evidence From the Track-On HD Study. <i>EBioMedicine</i> , <b>2015</b> , 2, 1420-9	8.8	91
20	Mapping the smoking addiction using dynamic causal modelling at rest. <i>BMC Neuroscience</i> , <b>2015</b> , 16,	3.2	78
19	A DCM for resting state fMRI. <i>NeuroImage</i> , <b>2014</b> , 94, 396-407	7.9	269
18	On nodes and modes in resting state fMRI. <i>NeuroImage</i> , <b>2014</b> , 99, 533-47	7.9	50
17	Sum rates for multi-user MIMO vector perturbation precoding with regularization. <i>Physical Communication</i> , <b>2014</b> , 13, 187-196	2.2	
16	Analysis of Energy Detector in Cooperative Relay Networks for Cognitive Radios <b>2013</b> ,		6

15	User scheduling for multi-antenna downland channels with limited feedback. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2012</b> , 23, 36-49	1.9	2
14	. <i>IEEE Transactions on Communications</i> , <b>2012</b> , 60, 3472-3482	6.9	100
13	Sum rates for regularized multi-user MIMO vector perturbation precoding <b>2011</b> ,		1
12	Secrecy sum-rates for multi-user MIMO linear precoding <b>2011</b> ,		6
11	. <i>IEEE Transactions on Wireless Communications</i> , <b>2010</b> , 9, 356-365	9.6	33
10	Sum Rates and User Scheduling for Multi-User MIMO Vector Perturbation Precoding <b>2009</b> ,		4
9	Testing and tracking in the UK: A dynamic causal modelling study. <i>Wellcome Open Research</i> ,5, 144	4.8	8
8	Neural network modelling reveals changes in directional connectivity between cortical and hypothalamic regions in obesity		2
7	Convergence of cortical types and functional motifs in the mesiotemporal lobe		3
6	Transdiagnostic variations in impulsivity and compulsivity in obsessive-compulsive disorder and gambling disorder correlate with effective connectivity in cortical-striatal-thalamic-cortical circuits		3
5	Stability and sensitivity of structural connectomes: effect of thresholding and filtering and demonstration in neurodegeneration		4
4	Inferring neural signalling directionality from undirected structural connectomes		2
3	Second waves, social distancing, and the spread of COVID-19 across the USA. <i>Wellcome Open Research</i> ,5, 103	4.8	2
2	Testing and tracking in the UK: A dynamic causal modelling study. <i>Wellcome Open Research</i> ,5, 144	4.8	3
1	In vitro neurons learn and exhibit sentience when embodied in a simulated game-world		3