Adeel Razi

List of Publications by Citations

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	A DCM for resting state fMRI. *NeuroImage*, **2014**, 94, 396-407	7.9	269
85	Bayesian model reduction and empirical Bayes for group (DCM) studies. *NeuroImage*, **2016**, 128, 413-431	7.9	253
84	Questions and controversies in the study of time-varying functional connectivity in resting fMRI. *Network Neuroscience*, **2020**, 4, 30-69	5.6	159
83	Construct validation of a DCM for resting state fMRI. *NeuroImage*, **2015**, 106, 1-14	7.9	148
82	Extrinsic and Intrinsic Brain Network Connectivity Maintains Cognition across the Lifespan Despite Accelerated Decay of Regional Brain Activation. *Journal of Neuroscience*, **2016**, 36, 3115-26	6.6	115
81	. *IEEE Transactions on Communications*, **2012**, 60, 3472-3482	6.9	100
80	Dynamic causal modelling revisited. *NeuroImage*, **2019**, 199, 730-744	7.9	97
79	Compensation in Preclinical Huntington's Disease: Evidence From the Track-On HD Study. *EBioMedicine*, **2015**, 2, 1420-9	8.8	91
78	A guide to group effective connectivity analysis, part 1: First level analysis with DCM for fMRI. *NeuroImage*, **2019**, 200, 174-190	7.9	88
77	Effective connectivity changes in LSD-induced altered states of consciousness in humans. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 2743-2748	11.5	87
76	Large-scale DCMs for resting-state fMRI. *Network Neuroscience*, **2017**, 1, 222-241	5.6	85
75	Mapping the smoking addiction using dynamic causal modelling at rest. *BMC Neuroscience*, **2015**, 16,	3.2	78
74	The Hierarchical Organization of the Default, Dorsal Attention and Salience Networks in Adolescents and Young Adults. *Cerebral Cortex*, **2018**, 28, 726-737	5.1	77
73	Regression DCM for fMRI. *NeuroImage*, **2017**, 155, 406-421	7.9	66
72	Selective vulnerability of Rich Club brain regions is an organizational principle of structural connectivity loss in Huntington's disease. *Brain*, **2015**, 138, 3327-44	11.2	66
71	Leveraging Data Science to Combat COVID-19: A Comprehensive Review. *IEEE Transactions on Artificial Intelligence*, **2020**, 1, 85-103	4.7	63
70	Dynamic effective connectivity in resting state fMRI. *NeuroImage*, **2018**, 180, 594-608	7.9	62

51	Transdiagnostic variations in impulsivity and compulsivity in obsessive-compulsive disorder and gambling disorder correlate with effective connectivity in cortical-striatal-thalamic-cortical circuits. *NeuroImage*, **2019**, 202, 116070	7.9	19
50	Convergence of cortical types and functional motifs in the human mesiotemporal lobe. *ELife*, **2020**, 9,	8.9	19
49	Parcels and particles: Markov blankets in the brain. *Network Neuroscience*, **2021**, 5, 211-251	5.6	19
48	Testing a longitudinal compensation model in premanifest Huntington's disease. *Brain*, **2018**, 141, 2156-2166	21.6	19
47	Structural and functional brain network correlates of depressive symptoms in premanifest Huntington's disease. *Human Brain Mapping*, **2017**, 38, 2819-2829	5.9	17
46	Bayesian fusion and multimodal DCM for EEG and fMRI. *NeuroImage*, **2020**, 211, 116595	7.9	16
45	Mapping Smoking Addiction Using Effective Connectivity Analysis. *Frontiers in Human Neuroscience*, **2016**, 10, 195	3.3	15
44	Using resting-state DMN effective connectivity to characterize the neurofunctional architecture of empathy. *Scientific Reports*, **2019**, 9, 2603	4.9	11
43	A validation of dynamic causal modelling for 7T fMRI. *Journal of Neuroscience Methods*, **2018**, 305, 36-45	3	10
42	The effect of global signal regression on DCM estimates of noise and effective connectivity from resting state fMRI. *NeuroImage*, **2020**, 208, 116435	7.9	9
41	Testing and tracking in the UK: A dynamic causal modelling study. *Wellcome Open Research*, 5, 144	4.8	8
40	Tight upper bounds on average detection probability in cooperative relay networks with selection combiner. *Transactions on Emerging Telecommunications Technologies*, **2015**, 26, 340-345	1.9	7
39	Analysis of Energy Detector in Cooperative Relay Networks for Cognitive Radios **2013**,		6
38	Secrecy sum-rates for multi-user MIMO linear precoding **2011**,		6
37	Second waves, social distancing, and the spread of COVID-19 across America. *Wellcome Open Research*, **2020**, 5, 103	4.8	5
36	Brain Injury and Dementia in Pakistan: Current Perspectives. *Frontiers in Neurology*, **2020**, 11, 299	4.1	4
35	Sum Rates and User Scheduling for Multi-User MIMO Vector Perturbation Precoding **2009**,		4
34	A Generative Model to Synthesize EEG Data for Epileptic Seizure Prediction. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, **2021**, 29, 2322-2332	4.8	4

4

33	Effective immunity and second waves: a dynamic causal modelling study. *Wellcome Open Research*, **2020**, 5, 204	4.8	4
32	Stability and sensitivity of structural connectomes: effect of thresholding and filtering and demonstration in neurodegeneration		4
31	The neurophysiological architecture of semantic dementia: spectral dynamic causal modelling of a neurodegenerative proteinopathy. *Scientific Reports*, **2020**, 10, 16321	4.9	4
30	Asymmetric high-order anatomical brain connectivity sculpts effective connectivity. *Network Neuroscience*, **2020**, 4, 871-890	5.6	3
29	Effective immunity and second waves: a dynamic causal modelling study. *Wellcome Open Research*, **2020**, 5, 204	4.8	3
28	Convergence of cortical types and functional motifs in the mesiotemporal lobe		3
27	Transdiagnostic variations in impulsivity and compulsivity in obsessive-compulsive disorder and gambling disorder correlate with effective connectivity in cortical-striatal-thalamic-cortical circuits		3
26	Testing and tracking in the UK: A dynamic causal modelling study. *Wellcome Open Research*,5, 144	4.8	3
25	In vitro neurons learn and exhibit sentience when embodied in a simulated game-world		3
24	A mathematical perspective on edge-centric brain functional connectivity.. *Nature Communications*, **2022**, 13, 2693	17.4	3
23	User scheduling for multi-antenna downland channels with limited feedback. *Transactions on Emerging Telecommunications Technologies*, **2012**, 23, 36-49	1.9	2
22	26th Annual Computational Neuroscience Meeting (CNS*2017): Part 3. *BMC Neuroscience*, **2017**, 18,	3.2	2
21	Imbalanced basal ganglia connectivity is associated with motor deficits and apathy in Huntington's disease. *Brain*, **2021**,	11.2	2
20	Neural network modelling reveals changes in directional connectivity between cortical and hypothalamic regions in obesity		2
19	Inferring neural signalling directionality from undirected structural connectomes		2
18	Second waves, social distancing, and the spread of COVID-19 across the USA. *Wellcome Open Research*,5, 103	4.8	2
17	Spectral dynamic causal modelling in healthy women reveals brain connectivity changes along the menstrual cycle. *Communications Biology*, **2021**, 4, 954	6.7	2
16	Sum rates for regularized multi-user MIMO vector perturbation precoding **2011**,		1

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15	Progressive modulation of resting-state brain activity during neurofeedback of positive-social emotion regulation networks. *Scientific Reports*, **2021**, 11, 23363	4.9	1
14	Volitional modulation of higher-order visual cortex alters human perception. *NeuroImage*, **2019**, 188, 291-301	7.9	1
13	Neural network modelling reveals changes in directional connectivity between cortical and hypothalamic regions with increased BMI. *International Journal of Obesity*, **2021**, 45, 2447-2454	5.5	1
12	Blue-Light Therapy Strengthens Resting-State Effective Connectivity within Default-Mode Network after Mild TBI. *Journal of Central Nervous System Disease*, **2021**, 13, 11795735211015076	4.4	1
11	Identification of community structure-based brain states and transitions using functional MRI. *NeuroImage*, **2021**, 244, 118635	7.9	0
10	Tracking Huntington's Disease Progression Using Motor, Functional, Cognitive, and Imaging Markers. *Movement Disorders*, **2021**, 36, 2282-2292	7	0
9	Reduced Precision Underwrites Ego Dissolution and Therapeutic Outcomes Under Psychedelics.. *Frontiers in Neuroscience*, **2022**, 16, 827400	5.1	0
8	Effective connectivity during face processing in major depression - distinguishing markers of pathology, risk, and resilience.. *Psychological Medicine*, **2022**, 1-13	6.9	0
7	D20 Operationalising compensation over time in neurodegenerative disease. *Journal of Neurology, Neurosurgery and Psychiatry*, **2016**, 87, A41.2-A41	5.5	
6	D22 Compensation in preclinical huntington's disease: evidence from the track-on HD study. *Journal of Neurology, Neurosurgery and Psychiatry*, **2016**, 87, A42.2-A42	5.5	
5	1609 Length of white matter connexions determine their rate of atrophy in premanifest huntington's disease. *Journal of Neurology, Neurosurgery and Psychiatry*, **2017**, 88, A9.2-A9	5.5	
4	Sum rates for multi-user MIMO vector perturbation precoding with regularization. *Physical Communication*, **2014**, 13, 187-196	2.2	
3	Computational Modelling of Pathogenic Protein Behaviour-Governing Mechanisms in the Brain. *Lecture Notes in Computer Science*, **2018**, 532-539	0.9	
2	D18 Brain network breakdown and pathophysiological correlates in huntington's disease. *Journal of Neurology, Neurosurgery and Psychiatry*, **2016**, 87, A40.2-A40	5.5	
1	D21 Longitudinal compensation in the cognitive network in huntington's disease. *Journal of Neurology, Neurosurgery and Psychiatry*, **2016**, 87, A42.1-A42	5.5	