Niall W Duncan

List of Publications by Year
in descending order

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		159573	206102
47	4,159	30	48
papers	citations	h-index	g-index

55	55	55	6437
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Is there a core neural network in empathy? An fMRI based quantitative meta-analysis. Neuroscience and Biobehavioral Reviews, 2011, 35, 903-911.	6.1	756
2	Variability in the analysis of a single neuroimaging dataset by many teams. Nature, 2020, 582, 84-88.	27.8	634
3	Contrasting variability patterns in the default mode and sensorimotor networks balance in bipolar depression and mania. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4824-4829.	7.1	205
4	Associations of regional GABA and glutamate with intrinsic and extrinsic neural activity in humansâ€”A review of multimodal imaging studies. Neuroscience and Biobehavioral Reviews, 2014, 47, 36-52.	6.1	184
5	Big GABA: Edited MR spectroscopy at 24 research sites. NeuroImage, 2017, 159, 32-45.	4.2	143
6	Neuropsychiatric symptoms in Alzheimer's disease are related to functional connectivity alterations in the salience network. Human Brain Mapping, 2014, 35, 1237-1246.	3.6	137
7	Abnormal body perception and neural activity in the insula in depression: An fMRI study of the depressed â€œmaterial meâ€• World Journal of Biological Psychiatry, 2010, 11, 538-549.	2.6	121
8	GABA in the insula â€” a predictor of the neural response to interoceptive awareness. NeuroImage, 2014, 86, 10-18.	4.2	110
9	How do abnormalities in the brainâ€™s spontaneous activity translate into symptoms in schizophrenia? From an overview of resting state activity findings to a proposed spatiotemporal psychopathology. Progress in Neurobiology, 2016, 145-146, 26-45.	5.7	106
10	How are different neural networks related to consciousness?. Annals of Neurology, 2015, 78, 594-605.	5.3	102
11	Anterior cingulate activity and the self in disorders of consciousness. Human Brain Mapping, 2010, 31, 1993-2002.	3.6	98
12	Is There a Nonadditive Interaction Between Spontaneous and Evoked Activity? Phase-Dependence and Its Relation to the Temporal Structure of Scale-Free Brain Activity. Cerebral Cortex, 2017, 27, bhv288.	2.9	92
13	Dissociation between anterior and posterior cortical regions during selfâ€specificity and familiarity: A combined fMRIâ€“metaâ€analytic study. Human Brain Mapping, 2012, 33, 154-164.	3.6	91
14	Resting-State Functional Magnetic Resonance Imaging. Neurosurgery, 2014, 74, 453-465.	1.1	90
15	A comparison of neural responses to appetitive and aversive stimuli in humans and other mammals. Neuroscience and Biobehavioral Reviews, 2014, 45, 350-368.	6.1	88
16	Glutamate Concentration in the Medial Prefrontal Cortex Predicts Resting-State Cortical-Subcortical Functional Connectivity in Humans. PLoS ONE, 2013, 8, e60312.	2.5	79
17	The brain and its resting state activityâ€”Experimental and methodological implications. Progress in Neurobiology, 2010, 92, 593-600.	5.7	78
18	Big GABA II: Water-referenced edited MR spectroscopy at 25 research sites. NeuroImage, 2019, 191, 537-548.	4.2	76

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19	Negative childhood experiences alter a prefrontalâ€insularâ€motor cortical network in healthy adults: A preliminary multimodal rsfMRIâ€fMRIâ€MRSâ€dMRI study. Human Brain Mapping, 2015, 36, 4622-4637.	3.6	70
20	Interoception in insula subregions as a possible state marker for depressionÃ¢â‚¬â€an exploratory fMRI study investigating healthy, depressed and remitted participants. Frontiers in Behavioral Neuroscience, 2015, 9, 82.	2.0	70
21	Overview of potential procedural and participant- related confounds for neuroimaging of the resting state. Journal of Psychiatry and Neuroscience, 2013, 38, 84-96.	2.4	68
22	Glutamate modulates resting state activity in the perigenual anterior cingulate cortex â€“ A combined fMRIâ€“MRS study. Neuroscience, 2012, 227, 102-109.	2.3	67
23	Involvement of glutamate in restâ€stimulus interaction between perigenual and supragenual anterior cingulate cortex: A combined fMRIâ€MRS study. Human Brain Mapping, 2011, 32, 2172-2182.	3.6	64
24	Abnormal Resting-State Connectivity in a Substantia Nigra-Related Striato-Thalamo-Cortical Network in a Large Sample of First-Episode Drug-NaÃ¯ve Patients With Schizophrenia. Schizophrenia Bulletin, 2018, 44, 419-431.	4.3	63
25	Breakdown in the temporal and spatial organization of spontaneous brain activity during general anesthesia. Human Brain Mapping, 2018, 39, 2035-2046.	3.6	57
26	Resting state glutamate predicts elevated pre-stimulus alpha during self-relatedness: A combined EEG-MRS study on â€œrest-self overlapâ€. Social Neuroscience, 2016, 11, 249-263.	1.3	54
27	Are emotions associated with activity during rest or interoception? An exploratory fMRI study in healthy subjects. Neuroscience Letters, 2011, 491, 87-92.	2.1	47
28	How much is enoughâ€”Can resting state fMRI provide a demarcation for neurosurgical resection in glioma?. Neuroscience and Biobehavioral Reviews, 2018, 84, 245-261.	6.1	45
29	Spontaneous activity in default-mode network predicts ascription of self-relatedness to stimuli. Social Cognitive and Affective Neuroscience, 2016, 11, 693-702.	3.0	40
30	Increase in glutamate/glutamine concentration in the medial prefrontal cortex during mental imagery: A combined functional mrs and fMRI study. Human Brain Mapping, 2015, 36, 3204-3212.	3.6	39
31	External awareness and GABA-A multimodal imaging study combining fMRI and [¹⁸F]flumazenil-PET. Human Brain Mapping, 2014, 35, 173-184.	3.6	34
32	Comparison of Multivendor Single-Voxel MR Spectroscopy Data Acquired in Healthy Brain at 26 Sites. Radiology, 2020, 295, 171-180.	7.3	31
33	Frequency drift in MR spectroscopy at 3T. NeuroImage, 2021, 241, 118430.	4.2	28
34	GABAA Receptors Predict Aversion-Related Brain Responses: An fMRI-PET Investigation in Healthy Humans. Neuropsychopharmacology, 2013, 38, 1438-1450.	5.4	21
35	How to investigate neuro-biochemical relationships on a regional level in humans? Methodological considerations for combining functional with biochemical imaging. Journal of Neuroscience Methods, 2014, 221, 183-188.	2.5	21
36	Investigating GABA concentrations measured with macromolecule suppressed and unsuppressed MEGAâ€PRESS MR spectroscopy and their relationship with BOLD responses in the occipital cortex. Journal of Magnetic Resonance Imaging, 2019, 50, 1285-1294.	3.4	21

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37	GABAA receptors in visual and auditory cortex and neural activity changes during basic visual stimulation. Frontiers in Human Neuroscience, 2012, 6, 337.	2.0	19
38	<scp>GABA_A</scp> receptor deficits predict recovery in patients with disorders of consciousness: A preliminary multimodal [¹¹C]Flumazenil <scp>PET</scp> and f<scp>MRI</scp> study. Human Brain Mapping, 2015, 36, 3867-3877.	3.6	17
39	Occipital gamma-aminobutyric acid and glutamate-glutamine alterations in major depressive disorder: An mrs study and meta-analysis. Psychiatry Research - Neuroimaging, 2021, 308, 111238.	1.8	15
40	Why and How is the Self-Related to the Brain Midline Regions?. Frontiers in Human Neuroscience, 2013, 7, 909.	2.0	13
41	The Trajectory of Self. Trends in Cognitive Sciences, 2016, 20, 481-482.	7.8	12
42	Self-Specific Stimuli Interact Differently than Non-Self-Specific Stimuli with Eyes-Open Versus Eyes-Closed Spontaneous Activity in Auditory Cortex. Frontiers in Human Neuroscience, 2013, 7, 437.	2.0	11
43	How to investigate neuro-biochemical relationships on a regional level in humans? Methodological considerations for combining functional with biochemical imaging. Journal of Neuroscience Methods, 2014, 221, 183-8.	2.5	11
44	Vascular-metabolic and GABAergic Inhibitory Correlates of Neural Variability Modulation. A Combined fMRI and PET Study. Neuroscience, 2018, 379, 142-151.	2.3	8
45	Suggestions for improving the visualization of magnetic resonance spectroscopy voxels and spectra. Royal Society Open Science, 2020, 7, 200600.	2.4	6
46	Intrinsic activity temporal structure reactivity to behavioural state change is correlated with depressive symptoms. European Journal of Neuroscience, 2020, 52, 4840-4850.	2.6	4
47	Depressive rumination is correlated with brain responses during self-related processing. Journal of Psychiatry and Neuroscience, 2021, 46, E518-E527.	2.4	3