

Niall W Duncan

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.

47
papers

2,884
citations

30
h-index

53
g-index

55
ext. papers

3,640
ext. citations

6.9
avg, IF

5.08
L-index

#	Paper	IF	Citations
47	Is there a core neural network in empathy? An fMRI based quantitative meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2011 , 35, 903-11	9	588
46	Variability in the analysis of a single neuroimaging dataset by many teams. <i>Nature</i> , 2020 , 582, 84-88	50.4	281
45	Contrasting variability patterns in the default mode and sensorimotor networks balance in bipolar depression and mania. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 4824-9	11.5	135
44	Associations of regional GABA and glutamate with intrinsic and extrinsic neural activity in humans: a review of multimodal imaging studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2014 , 47, 36-52	9	126
43	Neuropsychiatric symptoms in Alzheimer's disease are related to functional connectivity alterations in the salience network. <i>Human Brain Mapping</i> , 2014 , 35, 1237-46	5.9	113
42	Big GABA: Edited MR spectroscopy at 24 research sites. <i>NeuroImage</i> , 2017 , 159, 32-45	7.9	92
41	Abnormal body perception and neural activity in the insula in depression: an fMRI study of the depressed "material me". <i>World Journal of Biological Psychiatry</i> , 2010 , 11, 538-49	3.8	92
40	GABA in the insula - a predictor of the neural response to interoceptive awareness. <i>NeuroImage</i> , 2014 , 86, 10-8	7.9	84
39	Anterior cingulate activity and the self in disorders of consciousness. <i>Human Brain Mapping</i> , 2010 , 31, 1993-2002	5.9	79
38	Dissociation between anterior and posterior cortical regions during self-specificity and familiarity: a combined fMRI-meta-analytic study. <i>Human Brain Mapping</i> , 2012 , 33, 154-64	5.9	77
37	How do abnormalities in the brain's spontaneous activity translate into symptoms in schizophrenia? From an overview of resting state activity findings to a proposed spatiotemporal psychopathology. <i>Progress in Neurobiology</i> , 2016 , 145-146, 26-45	10.9	75
36	Resting-state functional magnetic resonance imaging: review of neurosurgical applications. <i>Neurosurgery</i> , 2014 , 74, 453-64; discussion 464-5	3.2	75
35	A comparison of neural responses to appetitive and aversive stimuli in humans and other mammals. <i>Neuroscience and Biobehavioral Reviews</i> , 2014 , 45, 350-68	9	73
34	The brain and its resting state activity--experimental and methodological implications. <i>Progress in Neurobiology</i> , 2010 , 92, 593-600	10.9	68
33	Is There a Nonadditive Interaction Between Spontaneous and Evoked Activity? Phase-Dependence and Its Relation to the Temporal Structure of Scale-Free Brain Activity. <i>Cerebral Cortex</i> , 2017 , 27, 1037-1059	5.1	67
32	Glutamate concentration in the medial prefrontal cortex predicts resting-state cortical-subcortical functional connectivity in humans. <i>PLoS ONE</i> , 2013 , 8, e60312	3.7	65
31	Negative childhood experiences alter a prefrontal-insular-motor cortical network in healthy adults: A preliminary multimodal rsfMRI-fMRI-MRS-dMRI study. <i>Human Brain Mapping</i> , 2015 , 36, 4622-37	5.9	59

30	How are different neural networks related to consciousness?. <i>Annals of Neurology</i> , 2015 , 78, 594-605	9.4	59
29	Glutamate modulates resting state activity in the perigenual anterior cingulate cortex - a combined fMRI-MRS study. <i>Neuroscience</i> , 2012 , 227, 102-9	3.9	59
28	Overview of potential procedural and participant-related confounds for neuroimaging of the resting state. <i>Journal of Psychiatry and Neuroscience</i> , 2013 , 38, 84-96	4.5	53
27	Involvement of glutamate in rest-stimulus interaction between perigenual and supragenual anterior cingulate cortex: a combined fMRI-MRS study. <i>Human Brain Mapping</i> , 2011 , 32, 2172-82	5.9	52
26	Big GABA II: Water-referenced edited MR spectroscopy at 25 research sites. <i>NeuroImage</i> , 2019 , 191, 537-548	5.4	47
25	Abnormal Resting-State Connectivity in a Substantia Nigra-Related Striato-Thalamo-Cortical Network in a Large Sample of First-Episode Drug-Naïve Patients With Schizophrenia. <i>Schizophrenia Bulletin</i> , 2018 , 44, 419-431	1.3	46
24	Resting state glutamate predicts elevated pre-stimulus alpha during self-relatedness: A combined EEG-MRS study on "rest-self overlap". <i>Social Neuroscience</i> , 2016 , 11, 249-63	2	43
23	Interoception in insula subregions as a possible state marker for depression-an exploratory fMRI study investigating healthy, depressed and remitted participants. <i>Frontiers in Behavioral Neuroscience</i> , 2015 , 9, 82	3.5	43
22	Are emotions associated with activity during rest or interoception? An exploratory fMRI study in healthy subjects. <i>Neuroscience Letters</i> , 2011 , 491, 87-92	3.3	42
21	Breakdown in the temporal and spatial organization of spontaneous brain activity during general anesthesia. <i>Human Brain Mapping</i> , 2018 , 39, 2035-2046	5.9	34
20	Spontaneous activity in default-mode network predicts ascription of self-relatedness to stimuli. <i>Social Cognitive and Affective Neuroscience</i> , 2016 , 11, 693-702	4	34
19	Increase in glutamate/glutamine concentration in the medial prefrontal cortex during mental imagery: A combined functional mrs and fMRI study. <i>Human Brain Mapping</i> , 2015 , 36, 3204-12	5.9	34
18	How much is enough-Can resting state fMRI provide a demarcation for neurosurgical resection in glioma?. <i>Neuroscience and Biobehavioral Reviews</i> , 2018 , 84, 245-261	9	30
17	External awareness and GABA--a multimodal imaging study combining fMRI and [18F]flumazenil-PET. <i>Human Brain Mapping</i> , 2014 , 35, 173-84	5.9	26
16	How to investigate neuro-biochemical relationships on a regional level in humans? Methodological considerations for combining functional with biochemical imaging. <i>Journal of Neuroscience Methods</i> , 2014 , 221, 183-188	3	17
15	GABAA receptors predict aversion-related brain responses: an fMRI-PET investigation in healthy humans. <i>Neuropsychopharmacology</i> , 2013 , 38, 1438-50	8.7	16
14	GABA(A) receptors in visual and auditory cortex and neural activity changes during basic visual stimulation. <i>Frontiers in Human Neuroscience</i> , 2012 , 6, 337	3.3	15
13	Why and How is the Self-Related to the Brain Midline Regions?. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 909	3.3	13

12	Comparison of Multivendor Single-Voxel MR Spectroscopy Data Acquired in Healthy Brain at 26 Sites. <i>Radiology</i> , 2020 , 295, 171-180	20.5	11
11	The Trajectory of Self. <i>Trends in Cognitive Sciences</i> , 2016 , 20, 481-482	14	9
10	How to investigate neuro-biochemical relationships on a regional level in humans? Methodological considerations for combining functional with biochemical imaging. <i>Journal of Neuroscience Methods</i> , 2014 , 221, 183-8	3	9
9	Self-specific stimuli interact differently than non-self-specific stimuli with eyes-open versus eyes-closed spontaneous activity in auditory cortex. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 437	3.3	8
8	Frequency drift in MR spectroscopy at 3T. <i>NeuroImage</i> , 2021 , 241, 118430	7.9	8
7	Investigating GABA concentrations measured with macromolecule suppressed and unsuppressed MEGA-PRESS MR spectroscopy and their relationship with BOLD responses in the occipital cortex. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 50, 1285-1294	5.6	6
6	GABAA receptor deficits predict recovery in patients with disorders of consciousness: A preliminary multimodal [(11) C]Flumazenil PET and fMRI study. <i>Human Brain Mapping</i> , 2015 , 36, 3867-77	5.9	6
5	Vascular-metabolic and GABAergic Inhibitory Correlates of Neural Variability Modulation. A Combined fMRI and PET Study. <i>Neuroscience</i> , 2018 , 379, 142-151	3.9	3
4	Suggestions for improving the visualization of magnetic resonance spectroscopy voxels and spectra. <i>Royal Society Open Science</i> , 2020 , 7, 200600	3.3	2
3	Intrinsic activity temporal structure reactivity to behavioural state change is correlated with depressive symptoms. <i>European Journal of Neuroscience</i> , 2020 , 52, 4840-4850	3.5	2
2	Occipital gamma-aminobutyric acid and glutamate-glutamine alterations in major depressive disorder: An mrs study and meta-analysis. <i>Psychiatry Research - Neuroimaging</i> , 2021 , 308, 111238	2.9	2
1	Depressive rumination is correlated with brain responses during self-related processing. <i>Journal of Psychiatry and Neuroscience</i> , 2021 , 46, E518-E527	4.5	0