Nico U F Dosenbach

List of Publications by Year
in descending order

49 papers	15,432 citations	117625 34 h-index	197818 49 g-index
54 all docs	54 docs citations	54 times ranked	13213 citing authors

#	Article	IF	Citations
1	Distinct brain networks for adaptive and stable task control in humans. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 11073-11078.	7.1	2,290
2	Prediction of Individual Brain Maturity Using fMRI. Science, 2010, 329, 1358-1361.	12.6	1,884
3	A Core System for the Implementation of Task Sets. Neuron, 2006, 50, 799-812.	8.1	1,604
4	The Adolescent Brain Cognitive Development (ABCD) study: Imaging acquisition across 21 sites. Developmental Cognitive Neuroscience, 2018, 32, 43-54.	4.0	1,282
5	Functional Brain Networks Develop from a â€œLocal to Distributedâ€•Organization. PLoS Computational Biology, 2009, 5, e1000381.	3.2	1,274
6	Precision Functional Mapping of Individual Human Brains. Neuron, 2017, 95, 791-807.e7.	8.1	948
7	Reproducible brain-wide association studies require thousands of individuals. Nature, 2022, 603, 654-660.	27.8	842
8	Functional System and Areal Organization of a Highly Sampled Individual Human Brain. Neuron, 2015, 87, 657-670.	8.1	785
9	Functional Brain Networks Are Dominated by Stable Group and Individual Factors, Not Cognitive or Daily Variation. Neuron, 2018, 98, 439-452.e5.	8.1	665
10	The frontoparietal network: function, electrophysiology, and importance of individual precision mapping. Dialogues in Clinical Neuroscience, 2018, 20, 133-140.	3.7	458
11	On the Stability of BOLD fMRI Correlations. Cerebral Cortex, 2017, 27, 4719-4732.	2.9	403
12	Real-time motion analytics during brain MRI improve data quality and reduce costs. NeuroImage, 2017, 161, 80-93.	4.2	221
13	Spatial and Temporal Organization of the Individual Human Cerebellum. Neuron, 2018, 100, 977-993.e7.	8.1	201
14	Individual-specific features of brain systems identified with resting state functional correlations. NeuroImage, 2017, 146, 918-939.	4.2	195
15	Re-emergence of modular brain networks in stroke recovery. Cortex, 2018, 101, 44-59.	2.4	173
16	Correction of respiratory artifacts in MRI head motion estimates. NeuroImage, 2020, 208, 116400.	4.2	161
17	Trait-like variants in human functional brain networks. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22851-22861.	7.1	153
18	Behavioral interventions for reducing head motion during MRI scans in children. NeuroImage, 2018, 171, 234-245.	4.2	149

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19	Integrative and Network-Specific Connectivity of the Basal Ganglia and Thalamus Defined in Individuals. Neuron, 2020, 105, 742-758.e6.	8.1	148
20	A set of functionally-defined brain regions with improved representation of the subcortex and cerebellum. NeuroImage, 2020, 206, 116290.	4.2	143
21	Plasticity and Spontaneous Activity Pulses in Disused Human Brain Circuits. Neuron, 2020, 107, 580-589.e6.	8.1	114
22	Three Distinct Sets of Connector Hubs Integrate Human Brain Function. Cell Reports, 2018, 24, 1687-1695.e4.	6.4	113
23	Default-mode network streams for coupling to language and control systems. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17308-17319.	7.1	113
24	Prediction of brain maturity in infants using machine-learning algorithms. NeuroImage, 2016, 136, 1-9.	4.2	111
25	Defining Individual-Specific Functional Neuroanatomy for Precision Psychiatry. Biological Psychiatry, 2020, 88, 28-39.	1.3	109
26	Individual-specific functional connectivity of the amygdala: A substrate for precision psychiatry. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3808-3818.	7.1	96
27	Identifying reproducible individual differences in childhood functional brain networks: An ABCD study. Developmental Cognitive Neuroscience, 2019, 40, 100706.	4.0	86
28	The community structure of functional brain networks exhibits scale-specific patterns of inter- and intra-subject variability. NeuroImage, 2019, 202, 115990.	4.2	85
29	Evaluating the Prediction of Brain Maturity From Functional Connectivity After Motion Artifact Denoising. Cerebral Cortex, 2019, 29, 2455-2469.	2.9	73
30	Shared and unique brain network features predict cognitive, personality, and mental health scores in the ABCD study. Nature Communications, 2022, 13, 2217.	12.8	67
31	Removal of high frequency contamination from motion estimates in single-band fMRI saves data without biasing functional connectivity. NeuroImage, 2020, 217, 116866.	4.2	62
32	Multivariate pattern classification of pediatric Tourette syndrome using functional connectivity <scp>MRI</scp>. Developmental Science, 2016, 19, 581-598.	2.4	60
33	Organization of Propagated Intrinsic Brain Activity in Individual Humans. Cerebral Cortex, 2020, 30, 1716-1734.	2.9	48
34	Atypical Functional Connectivity in Tourette Syndrome Differs Between Children and Adults. Biological Psychiatry, 2020, 87, 164-173.	1.3	45
35	Correspondence Between Perceived Pubertal Development and Hormone Levels in 9-10 Year-Olds From the Adolescent Brain Cognitive Development Study. Frontiers in Endocrinology, 2020, 11, 549928.	3.5	45
36	Parallel hippocampal-parietal circuits for self- and goal-oriented processing. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	32

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37	Rates of Incidental Findings in Brain Magnetic Resonance Imaging in Children. JAMA Neurology, 2021, 78, 578.	9.0	28
38	Cingulo-opercular control network and disused motor circuits joined in standby mode. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	27
39	Control networks of the frontal lobes. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 163, 333-347.	1.8	20
40	Individualized Functional Subnetworks Connect Human Striatum and Frontal Cortex. Cerebral Cortex, 2022, 32, 2868-2884.	2.9	20
41	Accuracy and reliability of diffusion imaging models. NeuroImage, 2022, 254, 119138.	4.2	13
42	Using accelerometry for measurement of motor behavior in children: Relationship of real-world movement to standardized evaluation. Research in Developmental Disabilities, 2020, 96, 103546.	2.2	12
43	Deep learning resting state functional magnetic resonance imaging lateralization of temporal lobe epilepsy. Epilepsia, 2022, 63, 1542-1552.	5.1	12
44	The Teenage Brain. Current Directions in Psychological Science, 2013, 22, 101-107.	5.3	11
45	Electrically coupled inhibitory interneurons constrain long-range connectivity of cortical networks. NeuroImage, 2020, 215, 116810.	4.2	11
46	High-fidelity mapping of repetition-related changes in the parietal memory network. NeuroImage, 2019, 199, 427-439.	4.2	10
47	Individual Brain Maturity: From Electrophysiology to fMRIâ€”Response. Brain Topography, 2011, 24, 189-191.	1.8	2
48	Suppression of the Hemodynamic Response Function Demonstrates Altered Cerebral Vasoreactivity in Sickle Cell Disease. Blood, 2016, 128, 12-12.	1.4	1
49	Early Detection of Pediatric Motor Deficits With Accelerometry. American Journal of Occupational Therapy, 2019, 73, 7311500041p1-7311500041p1.	0.3	0