

Nico U F Dosenbach

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

15,432
citations

134610

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223390

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54
all docs

54
docs citations

54
times ranked

15096
citing authors

#	ARTICLE	IF	CITATIONS
1	Individualized Functional Subnetworks Connect Human Striatum and Frontal Cortex. <i>Cerebral Cortex</i> , 2022, 32, 2868-2884.	1.6	20
2	Reproducible brain-wide association studies require thousands of individuals. <i>Nature</i> , 2022, 603, 654-660.	13.7	842
3	Deep learning resting state functional magnetic resonance imaging lateralization of temporal lobe epilepsy. <i>Epilepsia</i> , 2022, 63, 1542-1552.	2.6	12
4	Accuracy and reliability of diffusion imaging models. <i>NeuroImage</i> , 2022, 254, 119138.	2.1	13
5	Shared and unique brain network features predict cognitive, personality, and mental health scores in the ABCD study. <i>Nature Communications</i> , 2022, 13, 2217.	5.8	67
6	Cingulo-opercular control network and disused motor circuits joined in standby mode. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	27
7	Rates of Incidental Findings in Brain Magnetic Resonance Imaging in Children. <i>JAMA Neurology</i> , 2021, 78, 578.	4.5	28
8	Parallel hippocampal-parietal circuits for self- and goal-oriented processing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	32
9	Atypical Functional Connectivity in Tourette Syndrome Differs Between Children and Adults. <i>Biological Psychiatry</i> , 2020, 87, 164-173.	0.7	45
10	Organization of Propagated Intrinsic Brain Activity in Individual Humans. <i>Cerebral Cortex</i> , 2020, 30, 1716-1734.	1.6	48
11	Defining Individual-Specific Functional Neuroanatomy for Precision Psychiatry. <i>Biological Psychiatry</i> , 2020, 88, 28-39.	0.7	109
12	A set of functionally-defined brain regions with improved representation of the subcortex and cerebellum. <i>NeuroImage</i> , 2020, 206, 116290.	2.1	143
13	Integrative and Network-Specific Connectivity of the Basal Ganglia and Thalamus Defined in Individuals. <i>Neuron</i> , 2020, 105, 742-758.e6.	3.8	148
14	Correction of respiratory artifacts in MRI head motion estimates. <i>NeuroImage</i> , 2020, 208, 116400.	2.1	161
15	Using accelerometry for measurement of motor behavior in children: Relationship of real-world movement to standardized evaluation. <i>Research in Developmental Disabilities</i> , 2020, 96, 103546.	1.2	12
16	Plasticity and Spontaneous Activity Pulses in Disused Human Brain Circuits. <i>Neuron</i> , 2020, 107, 580-589.e6.	3.8	114
17	Removal of high frequency contamination from motion estimates in single-band fMRI saves data without biasing functional connectivity. <i>NeuroImage</i> , 2020, 217, 116866.	2.1	62
18	Default-mode network streams for coupling to language and control systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17308-17319.	3.3	113

#	ARTICLE	IF	CITATIONS
19	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.	3.3	96
20	Electrically coupled inhibitory interneurons constrain long-range connectivity of cortical networks. NeuroImage, 2020, 215, 116810.	2.1	11
21	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.	1.5	45
22	Evaluating the Prediction of Brain Maturity From Functional Connectivity After Motion Artifact Denoising. Cerebral Cortex, 2019, 29, 2455-2469.	1.6	73
23	The community structure of functional brain networks exhibits scale-specific patterns of inter- and intra-subject variability. NeuroImage, 2019, 202, 115990.	2.1	85
24	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.	3.3	153
25	Identifying reproducible individual differences in childhood functional brain networks: An ABCD study. Developmental Cognitive Neuroscience, 2019, 40, 100706.	1.9	86
26	Control networks of the frontal lobes. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 163, 333-347.	1.0	20
27	High-fidelity mapping of repetition-related changes in the parietal memory network. NeuroImage, 2019, 199, 427-439.	2.1	10
28	Early Detection of Pediatric Motor Deficits With Accelerometry. American Journal of Occupational Therapy, 2019, 73, 7311500041p1-7311500041p1.	0.1	0
29	Functional Brain Networks Are Dominated by Stable Group and Individual Factors, Not Cognitive or Daily Variation. Neuron, 2018, 98, 439-452.e5.	3.8	665
30	Behavioral interventions for reducing head motion during MRI scans in children. NeuroImage, 2018, 171, 234-245.	2.1	149
31	Re-emergence of modular brain networks in stroke recovery. Cortex, 2018, 101, 44-59.	1.1	173
32	The Adolescent Brain Cognitive Development (ABCD) study: Imaging acquisition across 21 sites. Developmental Cognitive Neuroscience, 2018, 32, 43-54.	1.9	1,282
33	Spatial and Temporal Organization of the Individual Human Cerebellum. Neuron, 2018, 100, 977-993.e7.	3.8	201
34	Three Distinct Sets of Connector Hubs Integrate Human Brain Function. Cell Reports, 2018, 24, 1687-1695.e4.	2.9	113
35	The frontoparietal network: function, electrophysiology, and importance of individual precision mapping. Dialogues in Clinical Neuroscience, 2018, 20, 133-140.	1.8	458
36	On the Stability of BOLD fMRI Correlations. Cerebral Cortex, 2017, 27, 4719-4732.	1.6	403

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37	Precision Functional Mapping of Individual Human Brains. <i>Neuron</i> , 2017, 95, 791-807.e7.	3.8	948
38	Real-time motion analytics during brain MRI improve data quality and reduce costs. <i>NeuroImage</i> , 2017, 161, 80-93.	2.1	221
39	Individual-specific features of brain systems identified with resting state functional correlations. <i>NeuroImage</i> , 2017, 146, 918-939.	2.1	195
40	Prediction of brain maturity in infants using machine-learning algorithms. <i>NeuroImage</i> , 2016, 136, 1-9.	2.1	111
41	Multivariate pattern classification of pediatric Tourette syndrome using functional connectivity <scp>MRI</scp>. <i>Developmental Science</i> , 2016, 19, 581-598.	1.3	60
42	Suppression of the Hemodynamic Response Function Demonstrates Altered Cerebral Vasoreactivity in Sickle Cell Disease. <i>Blood</i> , 2016, 128, 12-12.	0.6	1
43	Functional System and Areal Organization of a Highly Sampled Individual Human Brain. <i>Neuron</i> , 2015, 87, 657-670.	3.8	785
44	The Teenage Brain. <i>Current Directions in Psychological Science</i> , 2013, 22, 101-107.	2.8	11
45	Individual Brain Maturity: From Electrophysiology to fMRIâ€™Response. <i>Brain Topography</i> , 2011, 24, 189-191.	0.8	2
46	Prediction of Individual Brain Maturity Using fMRI. <i>Science</i> , 2010, 329, 1358-1361.	6.0	1,884
47	Functional Brain Networks Develop from a â€™Local to Distributedâ€™Organization. <i>PLoS Computational Biology</i> , 2009, 5, e1000381.	1.5	1,274
48	Distinct brain networks for adaptive and stable task control in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 11073-11078.	3.3	2,290
49	A Core System for the Implementation of Task Sets. <i>Neuron</i> , 2006, 50, 799-812.	3.8	1,604