John D Medaglia

List of Publications by Year
in descending order

55 papers	3,328 citations	236925 25 h-index	182427 51 g-index
59 all docs	59 docs citations	59 times ranked	4595 citing authors

#	Article	IF	Citations
1	Structural disconnection of the posterior medial frontal cortex reduces speech error monitoring. NeuroImage: Clinical, 2022, 33, 102934.	2.7	3
2	The â€œâ€˜Crisisâ€™ Crisisâ€•in psychology. Behavioral and Brain Sciences, 2022, 45, e28.	0.7	0
3	Glutamate-Weighted Magnetic Resonance Imaging (GluCEST) Detects Effects of Transcranial Magnetic Stimulation to the Motor Cortex. NeuroImage, 2022, 256, 119191.	4.2	10
4	Simulated Attack Reveals How Lesions Affect Network Properties in Poststroke Aphasia. Journal of Neuroscience, 2022, 42, 4913-4926.	3.6	2
5	Moral Framing and Mechanisms Influence Public Willingness to Optimize Cognition. Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice, 2021, 5, 176-187.	1.6	8
6	Network clustering via kernel-ARMA modeling and the Grassmannian: The brain-network case. Signal Processing, 2021, 179, 107834.	3.7	3
7	Toward a global and reproducible science for brain imaging in neurotrauma: the ENIGMA adult moderate/severe traumatic brain injury working group. Brain Imaging and Behavior, 2021, 15, 526-554.	2.1	16
8	Fast Sequential Clustering in Riemannian Manifolds for Dynamic and Time-Series-Annotated Multilayer Networks. IEEE Open Journal of Signal Processing, 2021, 2, 67-84.	3.5	3
9	Combining transcranial magnetic stimulation with functional magnetic resonance imaging for probing and modulating neural circuits relevant to affective disorders. Wiley Interdisciplinary Reviews: Cognitive Science, 2021, 12, e1553.	2.8	22
10	Two types of phonological reading impairment in stroke aphasia. Brain Communications, 2021, 3, fcab194.	3.3	4
11	Online Classification of Dynamic Multilayer-Network Time Series in Riemannian Manifolds. , 2021, , .		1
12	Language Tasks and the Network Control Role of the Left Inferior Frontal Gyrus. ENeuro, 2021, 8, ENEURO.0382-20.2021.	1.9	9
13	MXene-infused bioelectronic interfaces for multiscale electrophysiology and stimulation. Science Translational Medicine, 2021, 13, eabf8629.	12.4	68
14	The modulation of brain network integration and arousal during exploration. NeuroImage, 2021, 240, 118369.	4.2	11
15	What the replication crisis means for intervention science. International Journal of Psychophysiology, 2020, 154, 3-5.	1.0	16
16	Personalizing neuromodulation. International Journal of Psychophysiology, 2020, 154, 101-110.	1.0	10
17	Protecting Decision-Making in the Era of Neuromodulation. Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice, 2020, 4, 469-481.	1.6	0
18	Multimodal mapping of the face connectome. Nature Human Behaviour, 2020, 4, 397-411.	12.0	53

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19	Clarifying cognitive control and the controllable connectome. Wiley Interdisciplinary Reviews: Cognitive Science, 2019, 10, e1471.	2.8	20
20	Structural, geometric and genetic factors predict interregional brain connectivity patterns probed by electrocorticography. Nature Biomedical Engineering, 2019, 3, 902-916.	22.5	94
21	Implementing a concept network model. Behavior Research Methods, 2019, 51, 1717-1736.	4.0	11
22	Reply to Hamaker and Ryan: Within-sample temporal instability in cross-sectional estimates. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6546-6547.	7.1	0
23	Reply to Adolf and Fried: Conditional equivalence and imperatives for person-level science. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6542-6543.	7.1	8
24	Moral attitudes and willingness to enhance and repair cognition with brain stimulation. Brain Stimulation, 2019, 12, 44-53.	1.6	13
25	Diversity of meso-scale architecture in human and non-human connectomes. Nature Communications, 2018, 9, 346.	12.8	124
26	Functional alignment with anatomical networks is associated with cognitive flexibility. Nature Human Behaviour, 2018, 2, 156-164.	12.0	140
27	Driving the brain towards creativity and intelligence: A network control theory analysis. Neuropsychologia, 2018, 118, 79-90.	1.6	76
28	Improved accuracy of lesion to symptom mapping with multivariate sparse canonical correlations. Neuropsychologia, 2018, 115, 154-166.	1.6	145
29	Brain state expression and transitions are related to complex executive cognition in normative neurodevelopment. NeuroImage, 2018, 166, 293-306.	4.2	61
30	A Computational Network Control Theory Analysis of Depression Symptoms. Personality Neuroscience, 2018, 1, .	1.6	11
31	Graph Signal Processing of Human Brain Imaging Data. , 2018, , .		2
32	Data-driven brain network models differentiate variability across language tasks. PLoS Computational Biology, 2018, 14, e1006487.	3.2	32
33	Subgraphs of functional brain networks identify dynamical constraints of cognitive control. PLoS Computational Biology, 2018, 14, e1006234.	3.2	30
34	The Future of Technology in Positive Psychology: Methodological Advances in the Science of Well-Being. Frontiers in Psychology, 2018, 9, 962.	2.1	23
35	Network Controllability in the Inferior Frontal Gyrus Relates to Controlled Language Variability and Susceptibility to TMS. Journal of Neuroscience, 2018, 38, 6399-6410.	3.6	41
36	Lack of group-to-individual generalizability is a threat to human subjects research. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6106-E6115.	7.1	564

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37	The modular organization of human anatomical brain networks: Accounting for the cost of wiring. Network Neuroscience, 2017, 1, 42-68.	2.6	136
38	Functional hypergraph uncovers novel covariant structures over neurodevelopment. Human Brain Mapping, 2017, 38, 3823-3835.	3.6	44
39	Mind control as a guide for the mind. Nature Human Behaviour, 2017, 1, .	12.0	18
40	Graph Theoretic Analysis of Resting State Functional MR Imaging. Neuroimaging Clinics of North America, 2017, 27, 593-607.	1.0	48
41	Brain network efficiency is influenced by the pathologic source of corticobasal syndrome. Neurology, 2017, 89, 1373-1381.	1.1	27
42	Enhanced estimations of postâ€stroke aphasia severity using stacked multimodal predictions. Human Brain Mapping, 2017, 38, 5603-5615.	3.6	63
43	Functional Neuroimaging in Traumatic Brain Injury: From Nodes to Networks. Frontiers in Neurology, 2017, 8, 407.	2.4	45
44	Exploring the idiographic dynamics of mood and anxiety via network analysis.. Journal of Abnormal Psychology, 2017, 126, 1044-1056.	1.9	196
45	Mapping the Parameter Space of tDCS and Cognitive Control via Manipulation of Current Polarity and Intensity. Frontiers in Human Neuroscience, 2016, 10, 665.	2.0	16
46	Cognitive Network Neuroscience. Journal of Cognitive Neuroscience, 2015, 27, 1471-1491.	2.3	343
47	Emergence of system roles in normative neurodevelopment. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13681-13686.	7.1	292
48	Modeling distinct imaging hemodynamics early after TBI: the relationship between signal amplitude and connectivity. Brain Imaging and Behavior, 2015, 9, 285-301.	2.1	5
49	The Rich Get Richer: Brain Injury Elicits Hyperconnectivity in Core Subnetworks. PLoS ONE, 2014, 9, e104021.	2.5	139
50	The Less BOLD, the Wiser: Support for the latent resource hypothesis after traumatic brain injury. Human Brain Mapping, 2012, 33, 979-993.	3.6	36
51	Examining working memory task acquisition in a disrupted neural network. Brain, 2011, 134, 1555-1570.	7.6	74
52	The challenge of non-ergodicity in network neuroscience. Network: Computation in Neural Systems, 2011, 22, 148-153.	3.6	20
53	The Nature of Processing Speed Deficits in Traumatic Brain Injury: is Less Brain More?. Brain Imaging and Behavior, 2010, 4, 141-154.	2.1	63
54	Medial prefrontal cortex hyperactivation during social exclusion in borderline personality disorder. Psychiatry Research - Neuroimaging, 2010, 181, 233-236.	1.8	77

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55	Abnormal prefrontal cortical response during affective processing in borderline personality disorder. Psychiatry Research - Neuroimaging, 2010, 182, 117-122.	1.8	46