

# John D Medaglia

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

3,328  
citations

236612

25  
h-index

182168

51  
g-index

59  
all docs

59  
docs citations

59  
times ranked

4595  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lack of group-to-individual generalizability is a threat to human subjects research. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6106-E6115.	3.3	564
2	Cognitive Network Neuroscience. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 1471-1491.	1.1	343
3	Emergence of system roles in normative neurodevelopment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13681-13686.	3.3	292
4	Exploring the idiographic dynamics of mood and anxiety via network analysis.. <i>Journal of Abnormal Psychology</i> , 2017, 126, 1044-1056.	2.0	196
5	Improved accuracy of lesion to symptom mapping with multivariate sparse canonical correlations. <i>Neuropsychologia</i> , 2018, 115, 154-166.	0.7	145
6	Functional alignment with anatomical networks is associated with cognitive flexibility. <i>Nature Human Behaviour</i> , 2018, 2, 156-164.	6.2	140
7	The Rich Get Richer: Brain Injury Elicits Hyperconnectivity in Core Subnetworks. <i>PLoS ONE</i> , 2014, 9, e104021.	1.1	139
8	The modular organization of human anatomical brain networks: Accounting for the cost of wiring. <i>Network Neuroscience</i> , 2017, 1, 42-68.	1.4	136
9	Diversity of meso-scale architecture in human and non-human connectomes. <i>Nature Communications</i> , 2018, 9, 346.	5.8	124
10	Structural, geometric and genetic factors predict interregional brain connectivity patterns probed by electrocorticography. <i>Nature Biomedical Engineering</i> , 2019, 3, 902-916.	11.6	94
11	Medial prefrontal cortex hyperactivation during social exclusion in borderline personality disorder. <i>Psychiatry Research - Neuroimaging</i> , 2010, 181, 233-236.	0.9	77
12	Driving the brain towards creativity and intelligence: A network control theory analysis. <i>Neuropsychologia</i> , 2018, 118, 79-90.	0.7	76
13	Examining working memory task acquisition in a disrupted neural network. <i>Brain</i> , 2011, 134, 1555-1570.	3.7	74
14	MXene-infused bioelectronic interfaces for multiscale electrophysiology and stimulation. <i>Science Translational Medicine</i> , 2021, 13, eabf8629.	5.8	68
15	The Nature of Processing Speed Deficits in Traumatic Brain Injury: is Less Brain More?. <i>Brain Imaging and Behavior</i> , 2010, 4, 141-154.	1.1	63
16	Enhanced estimations of post-stroke aphasia severity using stacked multimodal predictions. <i>Human Brain Mapping</i> , 2017, 38, 5603-5615.	1.9	63
17	Brain state expression and transitions are related to complex executive cognition in normative neurodevelopment. <i>NeuroImage</i> , 2018, 166, 293-306.	2.1	61
18	Multimodal mapping of the face connectome. <i>Nature Human Behaviour</i> , 2020, 4, 397-411.	6.2	53

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19	Graph Theoretic Analysis of Resting State Functional MR Imaging. <i>Neuroimaging Clinics of North America</i> , 2017, 27, 593-607.	0.5	48
20	Abnormal prefrontal cortical response during affective processing in borderline personality disorder. <i>Psychiatry Research - Neuroimaging</i> , 2010, 182, 117-122.	0.9	46
21	Functional Neuroimaging in Traumatic Brain Injury: From Nodes to Networks. <i>Frontiers in Neurology</i> , 2017, 8, 407.	1.1	45
22	Functional hypergraph uncovers novel covariant structures over neurodevelopment. <i>Human Brain Mapping</i> , 2017, 38, 3823-3835.	1.9	44
23	Network Controllability in the Inferior Frontal Gyrus Relates to Controlled Language Variability and Susceptibility to TMS. <i>Journal of Neuroscience</i> , 2018, 38, 6399-6410.	1.7	41
24	The Less BOLD, the Wiser: Support for the latent resource hypothesis after traumatic brain injury. <i>Human Brain Mapping</i> , 2012, 33, 979-993.	1.9	36
25	Data-driven brain network models differentiate variability across language tasks. <i>PLoS Computational Biology</i> , 2018, 14, e1006487.	1.5	32
26	Subgraphs of functional brain networks identify dynamical constraints of cognitive control. <i>PLoS Computational Biology</i> , 2018, 14, e1006234.	1.5	30
27	Brain network efficiency is influenced by the pathologic source of corticobasal syndrome. <i>Neurology</i> , 2017, 89, 1373-1381.	1.5	27
28	The Future of Technology in Positive Psychology: Methodological Advances in the Science of Well-Being. <i>Frontiers in Psychology</i> , 2018, 9, 962.	1.1	23
29	Combining transcranial magnetic stimulation with functional magnetic resonance imaging for probing and modulating neural circuits relevant to affective disorders. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2021, 12, e1553.	1.4	22
30	The challenge of non-ergodicity in network neuroscience. <i>Network: Computation in Neural Systems</i> , 2011, 22, 148-153.	2.2	20
31	Clarifying cognitive control and the controllable connectome. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2019, 10, e1471.	1.4	20
32	Mind control as a guide for the mind. <i>Nature Human Behaviour</i> , 2017, 1, .	6.2	18
33	Mapping the Parameter Space of tDCS and Cognitive Control via Manipulation of Current Polarity and Intensity. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 665.	1.0	16
34	What the replication crisis means for intervention science. <i>International Journal of Psychophysiology</i> , 2020, 154, 3-5.	0.5	16
35	Toward a global and reproducible science for brain imaging in neurotrauma: the ENIGMA adult moderate/severe traumatic brain injury working group. <i>Brain Imaging and Behavior</i> , 2021, 15, 526-554.	1.1	16
36	Moral attitudes and willingness to enhance and repair cognition with brain stimulation. <i>Brain Stimulation</i> , 2019, 12, 44-53.	0.7	13

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37	A Computational Network Control Theory Analysis of Depression Symptoms. <i>Personality Neuroscience</i> , 2018, 1, .	1.3	11
38	Implementing a concept network model. <i>Behavior Research Methods</i> , 2019, 51, 1717-1736.	2.3	11
39	The modulation of brain network integration and arousal during exploration. <i>NeuroImage</i> , 2021, 240, 118369.	2.1	11
40	Personalizing neuromodulation. <i>International Journal of Psychophysiology</i> , 2020, 154, 101-110.	0.5	10
41	Glutamate-Weighted Magnetic Resonance Imaging (GluCEST) Detects Effects of Transcranial Magnetic Stimulation to the Motor Cortex. <i>NeuroImage</i> , 2022, 256, 119191.	2.1	10
42	Language Tasks and the Network Control Role of the Left Inferior Frontal Gyrus. <i>ENeuro</i> , 2021, 8, ENEURO.0382-20.2021.	0.9	9
43	Reply to Adolf and Fried: Conditional equivalence and imperatives for person-level science. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6542-6543.	3.3	8
44	Moral Framing and Mechanisms Influence Public Willingness to Optimize Cognition. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , 2021, 5, 176-187.	0.8	8
45	Modeling distinct imaging hemodynamics early after TBI: the relationship between signal amplitude and connectivity. <i>Brain Imaging and Behavior</i> , 2015, 9, 285-301.	1.1	5
46	Two types of phonological reading impairment in stroke aphasia. <i>Brain Communications</i> , 2021, 3, fcab194.	1.5	4
47	Network clustering via kernel-ARMA modeling and the Grassmannian: The brain-network case. <i>Signal Processing</i> , 2021, 179, 107834.	2.1	3
48	Fast Sequential Clustering in Riemannian Manifolds for Dynamic and Time-Series-Annotated Multilayer Networks. <i>IEEE Open Journal of Signal Processing</i> , 2021, 2, 67-84.	2.3	3
49	Structural disconnection of the posterior medial frontal cortex reduces speech error monitoring. <i>NeuroImage: Clinical</i> , 2022, 33, 102934.	1.4	3
50	Graph Signal Processing of Human Brain Imaging Data. , 2018, , .		2
51	Simulated Attack Reveals How Lesions Affect Network Properties in Poststroke Aphasia. <i>Journal of Neuroscience</i> , 2022, 42, 4913-4926.	1.7	2
52	Online Classification of Dynamic Multilayer-Network Time Series in Riemannian Manifolds. , 2021, , .		1
53	Reply to Hamaker and Ryan: Within-sample temporal instability in cross-sectional estimates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6546-6547.	3.3	0
54	Protecting Decision-Making in the Era of Neuromodulation. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , 2020, 4, 469-481.	0.8	0

#	ARTICLE	IF	CITATIONS
55	The "Crisis" Crisis in psychology. Behavioral and Brain Sciences, 2022, 45, e28.	0.4	0