Michael W Cole

List of Publications by Year
in descending order

79 papers	12,310 citations	61857 43 h-index	88477 70 g-index
106 all docs	106 docs citations	106 times ranked	11979 citing authors

#	Article	IF	Citations
1	Global connectivity fingerprints predict the domain generality of multiple-demand regions. Cerebral Cortex, 2022, 32, 4464-4479.	1.6	4
2	Latent functional connectivity underlying multiple brain states. Network Neuroscience, 2022, 6, 570-590.	1.4	16
3	Constructing neural network models from brain data reveals representational transformations linked to adaptive behavior. Nature Communications, 2022, 13, 673.	5.8	23
4	Protocol for activity flow mapping of neurocognitive computations using the Brain Activity Flow Toolbox. STAR Protocols, 2022, 3, 101094.	0.5	1
5	Developing control-theoretic objectives for large-scale brain dynamics and cognitive enhancement. Annual Reviews in Control, 2022, 54, 363-376.	4.4	3
6	Combining Multiple Functional Connectivity Methods to Improve Causal Inferences. Journal of Cognitive Neuroscience, 2021, 33, 180-194.	1.1	32
7	A Whole-Brain and Cross-Diagnostic Perspective on Functional Brain Network Dysfunction. Cerebral Cortex, 2021, 31, 547-561.	1.6	22
8	Structural MRI and functional connectivity features predict current clinical status and persistence behavior in prescription opioid users. NeuroImage: Clinical, 2021, 30, 102663.	1.4	11
9	The Functional Relevance of Task-State Functional Connectivity. Journal of Neuroscience, 2021, 41, 2684-2702.	1.7	67
10	Activity flow underlying abnormalities in brain activations and cognition in schizophrenia. Science Advances, 2021, 7, .	4.7	21
11	Brain network mechanisms of visual shape completion. NeuroImage, 2021, 236, 118069.	2.1	15
12	Discovering the Computational Relevance of Brain Network Organization. Trends in Cognitive Sciences, 2020, 24, 25-38.	4.0	49
13	Transcranial alternating current stimulation attenuates BOLD adaptation and increases functional connectivity. Journal of Neurophysiology, 2020, 123, 428-438.	0.9	23
14	Task-evoked activity quenches neural correlations and variability across cortical areas. PLoS Computational Biology, 2020, 16, e1007983.	1.5	62
15	A cortical hierarchy of localized and distributed processes revealed via dissociation of task activations, connectivity changes, and intrinsic timescales. NeuroImage, 2020, 221, 117141.	2.1	77
16	Predicting dysfunctional age-related task activations from resting-state network alterations. NeuroImage, 2020, 221, 117167.	2.1	32
17	Flexible Coordinator and Switcher Hubs for Adaptive Task Control. Journal of Neuroscience, 2020, 40, 6949-6968.	1.7	62
18	Exploring brain-behavior relationships in the N-back task. NeuroImage, 2020, 212, 116683.	2.1	46

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19	Estimation and validation of individualized dynamic brain models with resting state fMRI. NeuroImage, 2020, 221, 117046.	2.1	32
20	Task-evoked activity quenches neural correlations and variability across cortical areas. , 2020, 16, e1007983.		0
21	Task-evoked activity quenches neural correlations and variability across cortical areas. , 2020, 16, e1007983.		0
22	Task-evoked activity quenches neural correlations and variability across cortical areas. , 2020, 16, e1007983.		0
23	Task-evoked activity quenches neural correlations and variability across cortical areas. , 2020, 16, e1007983.		0
24	Task-evoked activity quenches neural correlations and variability across cortical areas. , 2020, 16, e1007983.		0
25	Task-evoked activity quenches neural correlations and variability across cortical areas. , 2020, 16, e1007983.		0
26	Global connectivity of the fronto-parietal cognitive control network is related to depression symptoms in the general population. Network Neuroscience, 2019, 3, 107-123.	1.4	65
27	Advancing functional connectivity research from association to causation. Nature Neuroscience, 2019, 22, 1751-1760.	7.1	215
28	How to study the neural mechanisms of multiple tasks. Current Opinion in Behavioral Sciences, 2019, 29, 134-143.	2.0	32
29	The situation or the person? Individual and taskâ€evoked differences in BOLD activity. Human Brain Mapping, 2019, 40, 2943-2954.	1.9	5
30	Task activations produce spurious but systematic inflation of task functional connectivity estimates. NeuroImage, 2019, 189, 1-18.	2.1	158
31	Mapping the human brain's cortical-subcortical functional network organization. NeuroImage, 2019, 185, 35-57.	2.1	371
32	Why is contour integration impaired in schizophrenia? New insights from a cross-diagnostic parametrically varying behavioral task. Journal of Vision, 2019, 19, 241.	0.1	0
33	Heterogeneity within the frontoparietal control network and its relationship to the default and dorsal attention networks. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1598-E1607.	3.3	363
34	A role for proactive control in rapid instructed task learning. Acta Psychologica, 2018, 184, 20-30.	0.7	14
35	The Human Brain Traverses a Common Activation-Pattern State Space Across Task and Rest. Brain Connectivity, 2018, 8, 429-443.	0.8	15
36	From connectome to cognition: The search for mechanism in human functional brain networks. NeuroImage, 2017, 160, 124-139.	2.1	102

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37	Conflict detection and resolution rely on a combination of common and distinct cognitive control networks. Neuroscience and Biobehavioral Reviews, 2017, 83, 123-131.	2.9	54
38	Cognitive task information is transferred between brain regions via resting-state network topology. Nature Communications, 2017, 8, 1027.	5.8	150
39	The task novelty paradox: Flexible control of inflexible neural pathways during rapid instructed task learning. Neuroscience and Biobehavioral Reviews, 2017, 81, 4-15.	2.9	59
40	Empirical validation of directed functional connectivity. NeuroImage, 2017, 146, 275-287.	2.1	33
41	Activity flow over resting-state networks shapes cognitive task activations. Nature Neuroscience, 2016, 19, 1718-1726.	7.1	403
42	Higher Intelligence Is Associated with Less Task-Related Brain Network Reconfiguration. Journal of Neuroscience, 2016, 36, 8551-8561.	1.7	206
43	Integrated Brain Network Architecture Supports Cognitive Task Performance. Neuron, 2016, 92, 278-279.	3.8	13
44	Reward Motivation Enhances Task Coding in Frontoparietal Cortex. Cerebral Cortex, 2016, 26, 1647-1659.	1.6	110
45	Functional connectivity change as shared signal dynamics. Journal of Neuroscience Methods, 2016, 259, 22-39.	1.3	58
46	The Behavioral Relevance of Task Information in Human Prefrontal Cortex. Cerebral Cortex, 2016, 26, 2497-2505.	1.6	67
47	Early-Course Unmedicated Schizophrenia Patients Exhibit Elevated Prefrontal Connectivity Associated with Longitudinal Change. Journal of Neuroscience, 2015, 35, 267-286.	1.7	153
48	N-Methyl-D-Aspartate Receptor Antagonist Effects on Prefrontal Cortical Connectivity Better Model Early Than Chronic Schizophrenia. Biological Psychiatry, 2015, 77, 569-580.	0.7	144
49	Reflexive activation of newly instructed stimulusâ€"response rules: evidence from lateralized readiness potentials in no-go trials. Cognitive, Affective and Behavioral Neuroscience, 2015, 15, 365-373.	1.0	31
50	Lateral Prefrontal Cortex Contributes to Fluid Intelligence Through Multinetwork Connectivity. Brain Connectivity, 2015, 5, 497-504.	0.8	80
51	The power of instructions: Proactive configuration of stimulusâ€"response translation.. Journal of Experimental Psychology: Learning Memory and Cognition, 2015, 41, 768-786.	0.7	80
52	A Functional Cartography of Cognitive Systems. PLoS Computational Biology, 2015, 11, e1004533.	1.5	137
53	Characterizing Thalamo-Cortical Disturbances in Schizophrenia and Bipolar Illness. Cerebral Cortex, 2014, 24, 3116-3130.	1.6	415
54	Mediodorsal and Visual Thalamic Connectivity Differ in Schizophrenia and Bipolar Disorder With and Without Psychosis History. Schizophrenia Bulletin, 2014, 40, 1227-1243.	2.3	84

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55	Altered global brain signal in schizophrenia. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7438-7443.	3.3	347
56	Global Resting-State Functional Magnetic Resonance Imaging Analysis Identifies Frontal Cortex, Striatal, and Cerebellar Dysconnectivity in Obsessive-Compulsive Disorder. Biological Psychiatry, 2014, 75, 595-605.	0.7	222
57	The Frontoparietal Control System. Neuroscientist, 2014, 20, 652-664.	2.6	394
58	Amygdala Connectivity Differs Among Chronic, Early Course, and Individuals at Risk for Developing Schizophrenia. Schizophrenia Bulletin, 2014, 40, 1105-1116.	2.3	67
59	Intrinsic and Task-Evoked Network Architectures of the Human Brain. Neuron, 2014, 83, 238-251.	3.8	1,369
60	Rapid instructed task learning: A new window into the human brainâ€™s unique capacity for flexible cognitive control. Cognitive, Affective and Behavioral Neuroscience, 2013, 13, 1-22.	1.0	161
61	Multi-task connectivity reveals flexible hubs for adaptive task control. Nature Neuroscience, 2013, 16, 1348-1355.	7.1	1,377
62	Global Prefrontal and Fronto-Amygdala Dysconnectivity in Bipolar I Disorder with Psychosis History. Biological Psychiatry, 2013, 73, 565-573.	0.7	240
63	When Planning Results in Loss of Control: Intention-Based Reflexivity and Proactive Control. , 2013, , 263-290.		0
64	Connectivity, Pharmacology, and Computation: Toward a Mechanistic Understanding of Neural System Dysfunction in Schizophrenia. Frontiers in Psychiatry, 2013, 4, 169.	1.3	68
65	The role of default network deactivation in cognition and disease. Trends in Cognitive Sciences, 2012, 16, 584-592.	4.0	805
66	Global Connectivity of Prefrontal Cortex Predicts Cognitive Control and Intelligence. Journal of Neuroscience, 2012, 32, 8988-8999.	1.7	540
67	When planning results in loss of control: intention-based reflexivity and working-memory. Frontiers in Human Neuroscience, 2012, 6, 104.	1.0	59
68	Looking Outside the Searchlight. Lecture Notes in Computer Science, 2012, , 26-33.	1.0	4
69	Variable Global Dysconnectivity and Individual Differences in Schizophrenia. Biological Psychiatry, 2011, 70, 43-50.	0.7	224
70	Rapid Transfer of Abstract Rules to Novel Contexts in Human Lateral Prefrontal Cortex. Frontiers in Human Neuroscience, 2011, 5, 142.	1.0	82
71	Vive les differences! Individual variation in neural mechanisms of executive control. Current Opinion in Neurobiology, 2010, 20, 242-250.	2.0	113
72	Conflict over Cingulate Cortex: Between-Species Differences in Cingulate May Support Enhanced Cognitive Flexibility in Humans. Brain, Behavior and Evolution, 2010, 75, 239-240.	0.9	16

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73	Prefrontal Dynamics Underlying Rapid Instructed Task Learning Reverse with Practice. Journal of Neuroscience, 2010, 30, 14245-14254.	1.7	129
74	Identifying the brain's most globally connected regions. NeuroImage, 2010, 49, 3132-3148.	2.1	518
75	Cingulate cortex: Diverging data from humans and monkeys. Trends in Neurosciences, 2009, 32, 566-574.	4.2	119
76	Neural mechanisms for response selection: comparing selection of responses and items from working memory. NeuroImage, 2007, 34, 446-454.	2.1	53
77	The cognitive control network: Integrated cortical regions with dissociable functions. NeuroImage, 2007, 37, 343-360.	2.1	946
78	Selection and maintenance of stimulusâ€"response rules during preparation and performance of a spatial choice-reaction task. Brain Research, 2007, 1136, 77-87.	1.1	41
79	Canceling Planned Action: An fMRI Study of Countermanding Saccades. Cerebral Cortex, 2005, 15, 1281-1289.	1.6	123