Michael W Cole

List of Publications by Year
in descending order

79 papers	12,310 citations	61984 43 h-index	88630 70 g-index
106 all docs	106 docs citations	106 times ranked	11979 citing authors

#	Article	IF	Citations
1	Multi-task connectivity reveals flexible hubs for adaptive task control. Nature Neuroscience, 2013, 16, 1348-1355.	14.8	1,377
2	Intrinsic and Task-Evoked Network Architectures of the Human Brain. Neuron, 2014, 83, 238-251.	8.1	1,369
3	The cognitive control network: Integrated cortical regions with dissociable functions. NeuroImage, 2007, 37, 343-360.	4.2	946
4	The role of default network deactivation in cognition and disease. Trends in Cognitive Sciences, 2012, 16, 584-592.	7.8	805
5	Global Connectivity of Prefrontal Cortex Predicts Cognitive Control and Intelligence. Journal of Neuroscience, 2012, 32, 8988-8999.	3.6	540
6	Identifying the brain's most globally connected regions. NeuroImage, 2010, 49, 3132-3148.	4.2	518
7	Characterizing Thalamo-Cortical Disturbances in Schizophrenia and Bipolar Illness. Cerebral Cortex, 2014, 24, 3116-3130.	2.9	415
8	Activity flow over resting-state networks shapes cognitive task activations. Nature Neuroscience, 2016, 19, 1718-1726.	14.8	403
9	The Frontoparietal Control System. Neuroscientist, 2014, 20, 652-664.	3.5	394
10	Mapping the human brain's cortical-subcortical functional network organization. NeuroImage, 2019, 185, 35-57.	4.2	371
11	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.	7.1	363
12	Altered global brain signal in schizophrenia. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7438-7443.	7.1	347
13	Global Prefrontal and Fronto-Amygdala Dysconnectivity in Bipolar I Disorder with Psychosis History. Biological Psychiatry, 2013, 73, 565-573.	1.3	240
14	Variable Global Dysconnectivity and Individual Differences in Schizophrenia. Biological Psychiatry, 2011, 70, 43-50.	1.3	224
15	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.	1.3	222
16	Advancing functional connectivity research from association to causation. Nature Neuroscience, 2019, 22, 1751-1760.	14.8	215
17	Higher Intelligence Is Associated with Less Task-Related Brain Network Reconfiguration. Journal of Neuroscience, 2016, 36, 8551-8561.	3.6	206
18	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.	2.0	161

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19	Task activations produce spurious but systematic inflation of task functional connectivity estimates. NeuroImage, 2019, 189, 1-18.	4.2	158
20	Early-Course Unmedicated Schizophrenia Patients Exhibit Elevated Prefrontal Connectivity Associated with Longitudinal Change. Journal of Neuroscience, 2015, 35, 267-286.	3.6	153
21	Cognitive task information is transferred between brain regions via resting-state network topology. Nature Communications, 2017, 8, 1027.	12.8	150
22	N-Methyl-D-Aspartate Receptor Antagonist Effects on Prefrontal Cortical Connectivity Better Model Early Than Chronic Schizophrenia. Biological Psychiatry, 2015, 77, 569-580.	1.3	144
23	A Functional Cartography of Cognitive Systems. PLoS Computational Biology, 2015, 11, e1004533.	3.2	137
24	Prefrontal Dynamics Underlying Rapid Instructed Task Learning Reverse with Practice. Journal of Neuroscience, 2010, 30, 14245-14254.	3.6	129
25	Canceling Planned Action: An fMRI Study of Countermanding Saccades. Cerebral Cortex, 2005, 15, 1281-1289.	2.9	123
26	Cingulate cortex: Diverging data from humans and monkeys. Trends in Neurosciences, 2009, 32, 566-574.	8.6	119
27	Vive les differences! Individual variation in neural mechanisms of executive control. Current Opinion in Neurobiology, 2010, 20, 242-250.	4.2	113
28	Reward Motivation Enhances Task Coding in Frontoparietal Cortex. Cerebral Cortex, 2016, 26, 1647-1659.	2.9	110
29	From connectome to cognition: The search for mechanism in human functional brain networks. NeuroImage, 2017, 160, 124-139.	4.2	102
30	Mediodorsal and Visual Thalamic Connectivity Differ in Schizophrenia and Bipolar Disorder With and Without Psychosis History. Schizophrenia Bulletin, 2014, 40, 1227-1243.	4.3	84
31	Rapid Transfer of Abstract Rules to Novel Contexts in Human Lateral Prefrontal Cortex. Frontiers in Human Neuroscience, 2011, 5, 142.	2.0	82
32	Lateral Prefrontal Cortex Contributes to Fluid Intelligence Through Multinetwork Connectivity. Brain Connectivity, 2015, 5, 497-504.	1.7	80
33	The power of instructions: Proactive configuration of stimulusâ€"response translation.. Journal of Experimental Psychology: Learning Memory and Cognition, 2015, 41, 768-786.	0.9	80
34	A cortical hierarchy of localized and distributed processes revealed via dissociation of task activations, connectivity changes, and intrinsic timescales. NeuroImage, 2020, 221, 117141.	4.2	77
35	Connectivity, Pharmacology, and Computation: Toward a Mechanistic Understanding of Neural System Dysfunction in Schizophrenia. Frontiers in Psychiatry, 2013, 4, 169.	2.6	68
36	Amygdala Connectivity Differs Among Chronic, Early Course, and Individuals at Risk for Developing Schizophrenia. Schizophrenia Bulletin, 2014, 40, 1105-1116.	4.3	67

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37	The Behavioral Relevance of Task Information in Human Prefrontal Cortex. Cerebral Cortex, 2016, 26, 2497-2505.	2.9	67
38	The Functional Relevance of Task-State Functional Connectivity. Journal of Neuroscience, 2021, 41, 2684-2702.	3.6	67
39	Global connectivity of the fronto-parietal cognitive control network is related to depression symptoms in the general population. Network Neuroscience, 2019, 3, 107-123.	2.6	65
40	Task-evoked activity quenches neural correlations and variability across cortical areas. PLoS Computational Biology, 2020, 16, e1007983.	3.2	62
41	Flexible Coordinator and Switcher Hubs for Adaptive Task Control. Journal of Neuroscience, 2020, 40, 6949-6968.	3.6	62
42	When planning results in loss of control: intention-based reflexivity and working-memory. Frontiers in Human Neuroscience, 2012, 6, 104.	2.0	59
43	The task novelty paradox: Flexible control of inflexible neural pathways during rapid instructed task learning. Neuroscience and Biobehavioral Reviews, 2017, 81, 4-15.	6.1	59
44	Functional connectivity change as shared signal dynamics. Journal of Neuroscience Methods, 2016, 259, 22-39.	2.5	58
45	Conflict detection and resolution rely on a combination of common and distinct cognitive control networks. Neuroscience and Biobehavioral Reviews, 2017, 83, 123-131.	6.1	54
46	Neural mechanisms for response selection: comparing selection of responses and items from working memory. NeuroImage, 2007, 34, 446-454.	4.2	53
47	Discovering the Computational Relevance of Brain Network Organization. Trends in Cognitive Sciences, 2020, 24, 25-38.	7.8	49
48	Exploring brain-behavior relationships in the N-back task. NeuroImage, 2020, 212, 116683.	4.2	46
49	Selection and maintenance of stimulusâ€"response rules during preparation and performance of a spatial choice-reaction task. Brain Research, 2007, 1136, 77-87.	2.2	41
50	Empirical validation of directed functional connectivity. NeuroImage, 2017, 146, 275-287.	4.2	33
51	How to study the neural mechanisms of multiple tasks. Current Opinion in Behavioral Sciences, 2019, 29, 134-143.	3.9	32
52	Predicting dysfunctional age-related task activations from resting-state network alterations. NeuroImage, 2020, 221, 117167.	4.2	32
53	Estimation and validation of individualized dynamic brain models with resting state fMRI. NeuroImage, 2020, 221, 117046.	4.2	32
54	Combining Multiple Functional Connectivity Methods to Improve Causal Inferences. Journal of Cognitive Neuroscience, 2021, 33, 180-194.	2.3	32

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55	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.	2.0	31
56	Transcranial alternating current stimulation attenuates BOLD adaptation and increases functional connectivity. Journal of Neurophysiology, 2020, 123, 428-438.	1.8	23
57	Constructing neural network models from brain data reveals representational transformations linked to adaptive behavior. Nature Communications, 2022, 13, 673.	12.8	23
58	A Whole-Brain and Cross-Diagnostic Perspective on Functional Brain Network Dysfunction. Cerebral Cortex, 2021, 31, 547-561.	2.9	22
59	Activity flow underlying abnormalities in brain activations and cognition in schizophrenia. Science Advances, 2021, 7, .	10.3	21
60	Conflict over Cingulate Cortex: Between-Species Differences in Cingulate May Support Enhanced Cognitive Flexibility in Humans. Brain, Behavior and Evolution, 2010, 75, 239-240.	1.7	16
61	Latent functional connectivity underlying multiple brain states. Network Neuroscience, 2022, 6, 570-590.	2.6	16
62	The Human Brain Traverses a Common Activation-Pattern State Space Across Task and Rest. Brain Connectivity, 2018, 8, 429-443.	1.7	15
63	Brain network mechanisms of visual shape completion. NeuroImage, 2021, 236, 118069.	4.2	15
64	A role for proactive control in rapid instructed task learning. Acta Psychologica, 2018, 184, 20-30.	1.5	14
65	Integrated Brain Network Architecture Supports Cognitive Task Performance. Neuron, 2016, 92, 278-279.	8.1	13
66	Structural MRI and functional connectivity features predict current clinical status and persistence behavior in prescription opioid users. NeuroImage: Clinical, 2021, 30, 102663.	2.7	11
67	The situation or the person? Individual and taskâ€evoked differences in BOLD activity. Human Brain Mapping, 2019, 40, 2943-2954.	3.6	5
68	Looking Outside the Searchlight. Lecture Notes in Computer Science, 2012, , 26-33.	1.3	4
69	Global connectivity fingerprints predict the domain generality of multiple-demand regions. Cerebral Cortex, 2022, 32, 4464-4479.	2.9	4
70	Developing control-theoretic objectives for large-scale brain dynamics and cognitive enhancement. Annual Reviews in Control, 2022, 54, 363-376.	7.9	3
71	Protocol for activity flow mapping of neurocognitive computations using the Brain Activity Flow Toolbox. STAR Protocols, 2022, 3, 101094.	1.2	1
72	When Planning Results in Loss of Control: Intention-Based Reflexivity and Proactive Control. , 2013, , 263-290.		0

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73	Why is contour integration impaired in schizophrenia? New insights from a cross-diagnostic parametrically varying behavioral task. Journal of Vision, 2019, 19, 241.	0.3	0
74	Task-evoked activity quenches neural correlations and variability across cortical areas. , 2020, 16, e1007983.		0
75	Task-evoked activity quenches neural correlations and variability across cortical areas. , 2020, 16, e1007983.		0
76	Task-evoked activity quenches neural correlations and variability across cortical areas. , 2020, 16, e1007983.		0
77	Task-evoked activity quenches neural correlations and variability across cortical areas. , 2020, 16, e1007983.		0
78	Task-evoked activity quenches neural correlations and variability across cortical areas. , 2020, 16, e1007983.		0
79	Task-evoked activity quenches neural correlations and variability across cortical areas. , 2020, 16, e1007983.		0