Linda Douw

List of Publications by Year
in descending order

85 papers	4,729 citations	117625 34 h-index	114465 63 g-index
96 all docs	96 docs citations	96 times ranked	6133 citing authors

#	Article	IF	Citations
1	Cellular Substrates of Functional Network Integration and Memory in Temporal Lobe Epilepsy. Cerebral Cortex, 2022, 32, 2424-2436.	2.9	6
2	Structure-function coupling as a correlate and potential biomarker of cognitive impairment in multiple sclerosis. Network Neuroscience, 2022, 6, 339-356.	2.6	9
3	A hands-on tutorial on network and topological neuroscience. Brain Structure and Function, 2022, 227, 741-762.	2.3	13
4	A more unstable resting-state functional network in cognitively declining multiple sclerosis. Brain Communications, 2022, 4, .	3.3	8
5	Editorial: Focus feature on biomarkers in network neuroscience. Network Neuroscience, 2022, 6, 298-300.	2.6	1
6	Temporal Dynamics of Resting-state Functional Networks and Cognitive Functioning following Systemic Treatment for Breast Cancer. Brain Imaging and Behavior, 2022, 16, 1927-1937.	2.1	3
7	Reducing severe fatigue in patients with diffuse glioma: a study protocol for an RCT on the effect of blended cognitive behavioural therapy. Trials, 2022, 23, .	1.6	6
8	Effects of a single‐dose methylphenidate challenge on resting‐state functional connectivity in stimulant‐treatment naive children and adults with ADHD. Human Brain Mapping, 2022, 43, 4664-4675.	3.6	11
9	Functional brain network organization measured with magnetoencephalography predicts cognitive decline in multiple sclerosis. Multiple Sclerosis Journal, 2021, 27, 1727-1737.	3.0	12
10	A Python Hands-on Tutorial on Network and Topological Neuroscience. Lecture Notes in Computer Science, 2021, , 665-673.	1.3	0
11	The cerebellum and its network: Disrupted static and dynamic functional connectivity patterns and cognitive impairment in multiple sclerosis. Multiple Sclerosis Journal, 2021, 27, 2031-2039.	3.0	19
12	Understanding Global Brain Network Alterations in Glioma Patients. Brain Connectivity, 2021, 11, 865-874.	1.7	20
13	Fatigue and resting-state functional brain networks in breast cancer patients treated with chemotherapy. Breast Cancer Research and Treatment, 2021, 189, 787-796.	2.5	8
14	Optimization of epilepsy surgery through virtual resections on individual structural brain networks. Scientific Reports, 2021, 11, 19025.	3.3	13
15	Connecting brain and behavior in clinical neuroscience: A network approach. Neuroscience and Biobehavioral Reviews, 2021, 130, 81-90.	6.1	23
16	Dynamic functional connectivity as a neural correlate of fatigue in multiple sclerosis. NeuroImage: Clinical, 2021, 29, 102556.	2.7	21
17	QOLP-05. HEALTH-RELATED QUALITY OF LIFE IN LOW-GRADE GLIOMA SURVIVORS 26 YEARS AFTER DIAGNOSIS. Neuro-Oncology, 2021, 23, vi183-vi183.	1.2	0
18	Static and dynamic network properties of the repetitive transcranial magnetic stimulation target predict changes in emotion regulation in obsessive-compulsive disorder. Brain Stimulation, 2020, 13, 318-326.	1.6	21

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19	Long-range connections are more severely damaged and relevant for cognition in multiple sclerosis. Brain, 2020, 143, 150-160.	7.6	52
20	Questions and controversies in the study of time-varying functional connectivity in resting fMRI. Network Neuroscience, 2020, 4, 30-69.	2.6	364
21	Relationship between Î²-amyloid and structural network topology in decedents without dementia. Neurology, 2020, 95, e532-e544.	1.1	17
22	Functional connectivity between resting-state networks reflects decline in executive function in Parkinsonâ€™s disease: A longitudinal fMRI study. NeuroImage: Clinical, 2020, 28, 102468.	2.7	15
23	The Multilayer Network Approach in the Study of Personality Neuroscience. Brain Sciences, 2020, 10, 915.	2.3	10
24	Restingâ€state and taskâ€based centrality of dorsolateral prefrontal cortex predict resilience to <scp>1 Hz</scp> repetitive transcranial magnetic stimulation. Human Brain Mapping, 2020, 41, 3161-3171.	3.6	9
25	Brain Network Integration in Patients with Migraine: A Magnetoencephalography Study. Brain Connectivity, 2020, 10, 224-235.	1.7	6
26	Postoperative oscillatory brain activity as an add-on prognostic marker in diffuse glioma. Journal of Neuro-Oncology, 2020, 147, 49-58.	2.9	19
27	Contralateral Preoperative Resting-State Functional MRI Network Integration Is Associated with Surgical Outcome in Temporal Lobe Epilepsy. Radiology, 2020, 294, 622-627.	7.3	19
28	Mapping functional brain networks from the structural connectome: Relating the series expansion and eigenmode approaches. NeuroImage, 2020, 216, 116805.	4.2	40
29	Association between tumor location and neurocognitive functioning using tumor localization maps. Journal of Neuro-Oncology, 2019, 144, 573-582.	2.9	35
30	Functional Network Dynamics on Functional MRI: A Primer on an Emerging Frontier in Neuroscience. Radiology, 2019, 292, 460-463.	7.3	4
31	Reduced Network Dynamics on Functional MRI Signals Cognitive Impairment in Multiple Sclerosis. Radiology, 2019, 292, 449-457.	7.3	51
32	Topological phase transitions in functional brain networks. Physical Review E, 2019, 100, 032414.	2.1	50
33	Non-motor symptoms in Parkinson's disease: An explorative network study. Parkinsonism and Related Disorders, 2019, 66, 237-240.	2.2	8
34	The road ahead in clinical network neuroscience. Network Neuroscience, 2019, 3, 969-993.	2.6	37
35	Understanding cognitive functioning in glioma patients: The relevance of IDHâ€mutation status and functional connectivity. Brain and Behavior, 2019, 9, e01204.	2.2	42
36	Structural network topology relates to tissue properties in multiple sclerosis. Journal of Neurology, 2019, 266, 212-222.	3.6	9

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37	Minimum spanning tree analysis of the human connectome. Human Brain Mapping, 2018, 39, 2455-2471.	3.6	55
38	Linking late cognitive outcome with glioma surgery location using resection cavity maps. Human Brain Mapping, 2018, 39, 2064-2074.	3.6	38
39	The importance of hippocampal dynamic connectivity in explaining memory function in multiple sclerosis. Brain and Behavior, 2018, 8, e00954.	2.2	33
40	Consistency of magnetoencephalographic functional connectivity and network reconstruction using a template versus native M<scp>RI</scp> for coâ€‌registration. Human Brain Mapping, 2018, 39, 104-119.	3.6	58
41	Dynamic Functional Connectivity and Symptoms of Parkinsonâ€™s Disease: A Resting-State fMRI Study. Frontiers in Aging Neuroscience, 2018, 10, 388.	3.4	37
42	Cognitive functioning and functional brain networks in postoperative WHO grade I meningioma patients. Journal of Neuro-Oncology, 2018, 140, 605-613.	2.9	17
43	Global and Subnetwork Changes of the Structural Connectome in de novo Parkinsonâ€™s Disease. Neuroscience, 2018, 386, 295-308.	2.3	29
44	Clinical pain and functional network topology in Parkinsonâ€™s disease: a resting-state fMRI study. Journal of Neural Transmission, 2018, 125, 1449-1459.	2.8	10
45	Oscillatory brain activity associates with neuroligin-3 expression and predicts progression free survival in patients with diffuse glioma. Journal of Neuro-Oncology, 2018, 140, 403-412.	2.9	31
46	Increased posterior cingulate cortex efficiency may predict cognitive impairment in asymptomatic HIV patients. Neuroradiology Journal, 2018, 31, 372-378.	1.2	9
47	Loss of brain graph network efficiency in alcohol dependence. Addiction Biology, 2017, 22, 523-534.	2.6	55
48	Dynamic hub load predicts cognitive decline after resective neurosurgery. Scientific Reports, 2017, 7, 42117.	3.3	39
49	Increased connectivity of hub networks and cognitive impairment in multiple sclerosis. Neurology, 2017, 88, 2107-2114.	1.1	62
50	The Hierarchy of Brain Networks Is Related to Insulin Growth Factor-1 in a Large, Middle-Aged, Healthy Cohort: An Exploratory Magnetoencephalography Study. Brain Connectivity, 2017, 7, 321-330.	1.7	13
51	Connectomic profile and clinical phenotype in newly diagnosed glioma patients. NeuroImage: Clinical, 2017, 14, 87-96.	2.7	64
52	Dynamic connectivity modulates local activity in the core regions of the default-mode network. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9713-9718.	7.1	49
53	Phase II study of tivozanib, an oral VEGFR inhibitor, in patients with recurrent glioblastoma. Journal of Neuro-Oncology, 2017, 131, 603-610.	2.9	69
54	Magnetoencephalography, Functional Connectivity and Neural Network Topology in Diffuse Low-Grade Gliomas. , 2017, , 411-429.		0

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55	State-dependent variability of dynamic functional connectivity between frontoparietal and default networks relates to cognitive flexibility. Neuroscience, 2016, 339, 12-21.	2.3	111
56	Resting-State Functional MR Imaging for Determining Language Laterality in Intractable Epilepsy. Radiology, 2016, 281, 264-269.	7.3	25
57	Relation between carotid stiffness, cognitive performance and brain connectivity in a healthy middle-aged population: an observational neurophysiological cohort study with magnetoencephalography. BMJ Open, 2016, 6, e013441.	1.9	8
58	Direction of information flow in large-scale resting-state networks is frequency-dependent. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3867-3872.	7.1	312
59	A Mapping Between Structural and Functional Brain Networks. Brain Connectivity, 2016, 6, 298-311.	1.7	127
60	Dissociated multimodal hubs and seizures in temporal lobe epilepsy. Annals of Clinical and Translational Neurology, 2015, 2, 338-352.	3.7	25
61	Loss of Resting-State Posterior Cingulate Flexibility Is Associated with Memory Disturbance in Left Temporal Lobe Epilepsy. PLoS ONE, 2015, 10, e0131209.	2.5	24
62	Health-Related Quality of Life in Stable, Long-Term Survivors of Low-Grade Glioma. Journal of Clinical Oncology, 2015, 33, 1023-1029.	1.6	64
63	Learning of anticipatory responses in single neurons of the human medial temporal lobe. Nature Communications, 2015, 6, 8556.	12.8	48
64	The Connectome Visualization Utility: Software for Visualization of Human Brain Networks. PLoS ONE, 2014, 9, e113838.	2.5	27
65	Task‐dependent reorganization of functional connectivity networks during visual semantic decision making. Brain and Behavior, 2014, 4, 877-885.	2.2	38
66	Neural network alterations underlie cognitive deficits in brain tumor patients. Current Opinion in Oncology, 2014, 26, 627-633.	2.4	62
67	Epilepsy surgery outcome and functional network alterations in longitudinal MEG: A minimum spanning tree analysis. NeuroImage, 2014, 86, 354-363.	4.2	113
68	Altered Structural Connectome in Temporal Lobe Epilepsy. Radiology, 2014, 270, 842-848.	7.3	92
69	A Healthy Brain in a Healthy Body: Brain Network Correlates of Physical and Mental Fitness. PLoS ONE, 2014, 9, e88202.	2.5	40
70	Functional connectivity changes in multiple sclerosis patients: A graph analytical study of MEG resting state data. Human Brain Mapping, 2013, 34, 52-61.	3.6	106
71	The effect of modafinil on fatigue, cognitive functioning, and mood in primary brain tumor patients: a multicenter randomized controlled trial. Neuro-Oncology, 2013, 15, 1420-1428.	1.2	109
72	Levetiracetam improves verbal memory in high-grade glioma patients. Neuro-Oncology, 2013, 15, 216-223.	1.2	57

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73	Subcortical atrophy and cognition. Neurology, 2012, 79, 1754-1761.	1.1	181
74	MEG Network Differences between Low- and High-Grade Glioma Related to Epilepsy and Cognition. PLoS ONE, 2012, 7, e50122.	2.5	100
75	Neural network analysis and its application in neurosurgical planning. , 2011, , 373-388.		0
76	Epilepsy is related to theta band brain connectivity and network topology in brain tumor patients. BMC Neuroscience, 2010, 11, 103.	1.9	145
77	The Lesioned Brain: Still a Small-World?. Frontiers in Human Neuroscience, 2010, 4, 174.	2.0	29
78	â€˜Functional Connectivityâ€™ Is a Sensitive Predictor of Epilepsy Diagnosis after the First Seizure. PLoS ONE, 2010, 5, e10839.	2.5	99
79	Long-Term Effects of Temporal Lobe Epilepsy on Local Neural Networks: A Graph Theoretical Analysis of Corticography Recordings. PLoS ONE, 2009, 4, e8081.	2.5	125
80	Cognitive and radiological effects of radiotherapy in patients with low-grade glioma: long-term follow-up. Lancet Neurology, The, 2009, 8, 810-818.	10.2	598
81	Disturbed functional brain networks and neurocognitive function in low-grade glioma patients: a graph theoretical analysis of resting-state MEG. Nonlinear Biomedical Physics, 2009, 3, 9.	1.5	116
82	Health-related quality of life of long-term high-grade glioma survivors. Neuro-Oncology, 2009, 11, 51-58.	1.2	70
83	Functional connectivity in the brain before and during intra-arterial amobarbital injection (Wada) Tj ETQq1 1 0.784314 rgBT /Overlock	4.2	28
84	Treatment-related changes in functional connectivity in brain tumor patients: A magnetoencephalography study. Experimental Neurology, 2008, 212, 285-290.	4.1	64
85	Synchronized brain activity and neurocognitive function in patients with low-grade glioma: A magnetoencephalography study. Neuro-Oncology, 2008, 10, 734-744.	1.2	119