

Linda Douw

List of Publications by Year in descending order

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Version: 2024-02-01

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	Cognitive and radiological effects of radiotherapy in patients with low-grade glioma: long-term follow-up. <i>Lancet Neurology</i> , The, 2009, 8, 810-818.	10.2	598
2	Questions and controversies in the study of time-varying functional connectivity in resting fMRI. <i>Network Neuroscience</i> , 2020, 4, 30-69.	2.6	364
3	Direction of information flow in large-scale resting-state networks is frequency-dependent. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3867-3872.	7.1	312
4	Subcortical atrophy and cognition. <i>Neurology</i> , 2012, 79, 1754-1761.	1.1	181
5	Epilepsy is related to theta band brain connectivity and network topology in brain tumor patients. <i>BMC Neuroscience</i> , 2010, 11, 103.	1.9	145
6	A Mapping Between Structural and Functional Brain Networks. <i>Brain Connectivity</i> , 2016, 6, 298-311.	1.7	127
7	Long-Term Effects of Temporal Lobe Epilepsy on Local Neural Networks: A Graph Theoretical Analysis of Corticography Recordings. <i>PLoS ONE</i> , 2009, 4, e8081.	2.5	125
8	Synchronized brain activity and neurocognitive function in patients with low-grade glioma: A magnetoencephalography study. <i>Neuro-Oncology</i> , 2008, 10, 734-744.	1.2	119
9	Disturbed functional brain networks and neurocognitive function in low-grade glioma patients: a graph theoretical analysis of resting-state MEG. <i>Nonlinear Biomedical Physics</i> , 2009, 3, 9.	1.5	116
10	Epilepsy surgery outcome and functional network alterations in longitudinal MEG: A minimum spanning tree analysis. <i>NeuroImage</i> , 2014, 86, 354-363.	4.2	113
11	State-dependent variability of dynamic functional connectivity between frontoparietal and default networks relates to cognitive flexibility. <i>Neuroscience</i> , 2016, 339, 12-21.	2.3	111
12	The effect of modafinil on fatigue, cognitive functioning, and mood in primary brain tumor patients: a multicenter randomized controlled trial. <i>Neuro-Oncology</i> , 2013, 15, 1420-1428.	1.2	109
13	Functional connectivity changes in multiple sclerosis patients: A graph analytical study of MEG resting state data. <i>Human Brain Mapping</i> , 2013, 34, 52-61.	3.6	106
14	MEG Network Differences between Low- and High-Grade Glioma Related to Epilepsy and Cognition. <i>PLoS ONE</i> , 2012, 7, e50122.	2.5	100
15	“Functional Connectivity”™ Is a Sensitive Predictor of Epilepsy Diagnosis after the First Seizure. <i>PLoS ONE</i> , 2010, 5, e10839.	2.5	99
16	Altered Structural Connectome in Temporal Lobe Epilepsy. <i>Radiology</i> , 2014, 270, 842-848.	7.3	92
17	Health-related quality of life of long-term high-grade glioma survivors. <i>Neuro-Oncology</i> , 2009, 11, 51-58.	1.2	70
18	Phase II study of tivozanib, an oral VEGFR inhibitor, in patients with recurrent glioblastoma. <i>Journal of Neuro-Oncology</i> , 2017, 131, 603-610.	2.9	69

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19	Treatment-related changes in functional connectivity in brain tumor patients: A magnetoencephalography study. <i>Experimental Neurology</i> , 2008, 212, 285-290.	4.1	64
20	Health-Related Quality of Life in Stable, Long-Term Survivors of Low-Grade Glioma. <i>Journal of Clinical Oncology</i> , 2015, 33, 1023-1029.	1.6	64
21	Connectomic profile and clinical phenotype in newly diagnosed glioma patients. <i>NeuroImage: Clinical</i> , 2017, 14, 87-96.	2.7	64
22	Neural network alterations underlie cognitive deficits in brain tumor patients. <i>Current Opinion in Oncology</i> , 2014, 26, 627-633.	2.4	62
23	Increased connectivity of hub networks and cognitive impairment in multiple sclerosis. <i>Neurology</i> , 2017, 88, 2107-2114.	1.1	62
24	Consistency of magnetoencephalographic functional connectivity and network reconstruction using a template versus native M _{RI} for coregistration. <i>Human Brain Mapping</i> , 2018, 39, 104-119.	3.6	58
25	Levetiracetam improves verbal memory in high-grade glioma patients. <i>Neuro-Oncology</i> , 2013, 15, 216-223.	1.2	57
26	Loss of brain graph network efficiency in alcohol dependence. <i>Addiction Biology</i> , 2017, 22, 523-534.	2.6	55
27	Minimum spanning tree analysis of the human connectome. <i>Human Brain Mapping</i> , 2018, 39, 2455-2471.	3.6	55
28	Long-range connections are more severely damaged and relevant for cognition in multiple sclerosis. <i>Brain</i> , 2020, 143, 150-160.	7.6	52
29	Reduced Network Dynamics on Functional MRI Signals Cognitive Impairment in Multiple Sclerosis. <i>Radiology</i> , 2019, 292, 449-457.	7.3	51
30	Topological phase transitions in functional brain networks. <i>Physical Review E</i> , 2019, 100, 032414.	2.1	50
31	Dynamic connectivity modulates local activity in the core regions of the default-mode network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9713-9718.	7.1	49
32	Learning of anticipatory responses in single neurons of the human medial temporal lobe. <i>Nature Communications</i> , 2015, 6, 8556.	12.8	48
33	Understanding cognitive functioning in glioma patients: The relevance of IDH μ mutation status and functional connectivity. <i>Brain and Behavior</i> , 2019, 9, e01204.	2.2	42
34	Mapping functional brain networks from the structural connectome: Relating the series expansion and eigenmode approaches. <i>NeuroImage</i> , 2020, 216, 116805.	4.2	40
35	A Healthy Brain in a Healthy Body: Brain Network Correlates of Physical and Mental Fitness. <i>PLoS ONE</i> , 2014, 9, e88202.	2.5	40
36	Dynamic hub load predicts cognitive decline after resective neurosurgery. <i>Scientific Reports</i> , 2017, 7, 42117.	3.3	39

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37	Task-dependent reorganization of functional connectivity networks during visual semantic decision making. <i>Brain and Behavior</i> , 2014, 4, 877-885.	2.2	38
38	Linking late cognitive outcome with glioma surgery location using resection cavity maps. <i>Human Brain Mapping</i> , 2018, 39, 2064-2074.	3.6	38
39	Dynamic Functional Connectivity and Symptoms of Parkinson's Disease: A Resting-State fMRI Study. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 388.	3.4	37
40	The road ahead in clinical network neuroscience. <i>Network Neuroscience</i> , 2019, 3, 969-993.	2.6	37
41	Association between tumor location and neurocognitive functioning using tumor localization maps. <i>Journal of Neuro-Oncology</i> , 2019, 144, 573-582.	2.9	35
42	The importance of hippocampal dynamic connectivity in explaining memory function in multiple sclerosis. <i>Brain and Behavior</i> , 2018, 8, e00954.	2.2	33
43	Oscillatory brain activity associates with neuroligin-3 expression and predicts progression free survival in patients with diffuse glioma. <i>Journal of Neuro-Oncology</i> , 2018, 140, 403-412.	2.9	31
44	The Lesioned Brain: Still a Small-World?. <i>Frontiers in Human Neuroscience</i> , 2010, 4, 174.	2.0	29
45	Global and Subnetwork Changes of the Structural Connectome in de novo Parkinson's Disease. <i>Neuroscience</i> , 2018, 386, 295-308.	2.3	29
46	Functional connectivity in the brain before and during intra-arterial amobarbital injection (Wada) Tj ETQq0 0 0 rgBT/Overlock, 10 Tf 50 3	4.2	28
47	The Connectome Visualization Utility: Software for Visualization of Human Brain Networks. <i>PLoS ONE</i> , 2014, 9, e113838.	2.5	27
48	Dissociated multimodal hubs and seizures in temporal lobe epilepsy. <i>Annals of Clinical and Translational Neurology</i> , 2015, 2, 338-352.	3.7	25
49	Resting-State Functional MR Imaging for Determining Language Laterality in Intractable Epilepsy. <i>Radiology</i> , 2016, 281, 264-269.	7.3	25
50	Loss of Resting-State Posterior Cingulate Flexibility Is Associated with Memory Disturbance in Left Temporal Lobe Epilepsy. <i>PLoS ONE</i> , 2015, 10, e0131209.	2.5	24
51	Connecting brain and behavior in clinical neuroscience: A network approach. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 130, 81-90.	6.1	23
52	Static and dynamic network properties of the repetitive transcranial magnetic stimulation target predict changes in emotion regulation in obsessive-compulsive disorder. <i>Brain Stimulation</i> , 2020, 13, 318-326.	1.6	21
53	Dynamic functional connectivity as a neural correlate of fatigue in multiple sclerosis. <i>NeuroImage: Clinical</i> , 2021, 29, 102556.	2.7	21
54	Understanding Global Brain Network Alterations in Glioma Patients. <i>Brain Connectivity</i> , 2021, 11, 865-874.	1.7	20

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55	Postoperative oscillatory brain activity as an add-on prognostic marker in diffuse glioma. <i>Journal of Neuro-Oncology</i> , 2020, 147, 49-58.	2.9	19
56	Contralateral Preoperative Resting-State Functional MRI Network Integration Is Associated with Surgical Outcome in Temporal Lobe Epilepsy. <i>Radiology</i> , 2020, 294, 622-627.	7.3	19
57	The cerebellum and its network: Disrupted static and dynamic functional connectivity patterns and cognitive impairment in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2021, 27, 2031-2039.	3.0	19
58	Cognitive functioning and functional brain networks in postoperative WHO grade I meningioma patients. <i>Journal of Neuro-Oncology</i> , 2018, 140, 605-613.	2.9	17
59	Relationship between β -amyloid and structural network topology in decedents without dementia. <i>Neurology</i> , 2020, 95, e532-e544.	1.1	17
60	Functional connectivity between resting-state networks reflects decline in executive function in Parkinson's disease: A longitudinal fMRI study. <i>NeuroImage: Clinical</i> , 2020, 28, 102468.	2.7	15
61	The Hierarchy of Brain Networks Is Related to Insulin Growth Factor-1 in a Large, Middle-Aged, Healthy Cohort: An Exploratory Magnetoencephalography Study. <i>Brain Connectivity</i> , 2017, 7, 321-330.	1.7	13
62	Optimization of epilepsy surgery through virtual resections on individual structural brain networks. <i>Scientific Reports</i> , 2021, 11, 19025.	3.3	13
63	A hands-on tutorial on network and topological neuroscience. <i>Brain Structure and Function</i> , 2022, 227, 741-762.	2.3	13
64	Functional brain network organization measured with magnetoencephalography predicts cognitive decline in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2021, 27, 1727-1737.	3.0	12
65	Effects of a single-dose methylphenidate challenge on resting-state functional connectivity in stimulant-treatment naive children and adults with ADHD. <i>Human Brain Mapping</i> , 2022, 43, 4664-4675.	3.6	11
66	Clinical pain and functional network topology in Parkinson's disease: a resting-state fMRI study. <i>Journal of Neural Transmission</i> , 2018, 125, 1449-1459.	2.8	10
67	The Multilayer Network Approach in the Study of Personality Neuroscience. <i>Brain Sciences</i> , 2020, 10, 915.	2.3	10
68	Increased posterior cingulate cortex efficiency may predict cognitive impairment in asymptomatic HIV patients. <i>Neuroradiology Journal</i> , 2018, 31, 372-378.	1.2	9
69	Structural network topology relates to tissue properties in multiple sclerosis. <i>Journal of Neurology</i> , 2019, 266, 212-222.	3.6	9
70	Resting-state and task-based centrality of dorsolateral prefrontal cortex predict resilience to <sc>1 Hz</sc> repetitive transcranial magnetic stimulation. <i>Human Brain Mapping</i> , 2020, 41, 3161-3171.	3.6	9
71	Structure-function coupling as a correlate and potential biomarker of cognitive impairment in multiple sclerosis. <i>Network Neuroscience</i> , 2022, 6, 339-356.	2.6	9
72	Relation between carotid stiffness, cognitive performance and brain connectivity in a healthy middle-aged population: an observational neurophysiological cohort study with magnetoencephalography. <i>BMJ Open</i> , 2016, 6, e013441.	1.9	8

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73	Non-motor symptoms in Parkinson's disease: An explorative network study. <i>Parkinsonism and Related Disorders</i> , 2019, 66, 237-240.	2.2	8
74	Fatigue and resting-state functional brain networks in breast cancer patients treated with chemotherapy. <i>Breast Cancer Research and Treatment</i> , 2021, 189, 787-796.	2.5	8
75	A more unstable resting-state functional network in cognitively declining multiple sclerosis. <i>Brain Communications</i> , 2022, 4, .	3.3	8
76	Brain Network Integration in Patients with Migraine: A Magnetoencephalography Study. <i>Brain Connectivity</i> , 2020, 10, 224-235.	1.7	6
77	Cellular Substrates of Functional Network Integration and Memory in Temporal Lobe Epilepsy. <i>Cerebral Cortex</i> , 2022, 32, 2424-2436.	2.9	6
78	Reducing severe fatigue in patients with diffuse glioma: a study protocol for an RCT on the effect of blended cognitive behavioural therapy. <i>Trials</i> , 2022, 23, .	1.6	6
79	Functional Network Dynamics on Functional MRI: A Primer on an Emerging Frontier in Neuroscience. <i>Radiology</i> , 2019, 292, 460-463.	7.3	4
80	Temporal Dynamics of Resting-state Functional Networks and Cognitive Functioning following Systemic Treatment for Breast Cancer. <i>Brain Imaging and Behavior</i> , 2022, 16, 1927-1937.	2.1	3
81	Editorial: Focus feature on biomarkers in network neuroscience. <i>Network Neuroscience</i> , 2022, 6, 298-300.	2.6	1
82	A Python Hands-on Tutorial on Network and Topological Neuroscience. <i>Lecture Notes in Computer Science</i> , 2021, , 665-673.	1.3	0
83	Neural network analysis and its application in neurosurgical planning. , 2011, , 373-388.		0
84	Magnetoencephalography, Functional Connectivity and Neural Network Topology in Diffuse Low-Grade Gliomas. , 2017, , 411-429.		0
85	QOLP-05. HEALTH-RELATED QUALITY OF LIFE IN LOW-GRADE GLIOMA SURVIVORS 26 YEARS AFTER DIAGNOSIS. <i>Neuro-Oncology</i> , 2021, 23, vi183-vi183.	1.2	0