

Shi Gu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8283962/publications.pdf>

Version: 2024-02-01

24
papers

2,539
citations

516710

16
h-index

610901

24
g-index

32
all docs

32
docs citations

32
times ranked

3034
citing authors

#	ARTICLE	IF	CITATIONS
1	Controllability of structural brain networks. Nature Communications, 2015, 6, 8414.	12.8	600
2	Linked dimensions of psychopathology and connectivity in functional brain networks. Nature Communications, 2018, 9, 3003.	12.8	323
3	Emergence of system roles in normative neurodevelopment. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13681-13686.	7.1	292
4	Stimulation-Based Control of Dynamic Brain Networks. PLoS Computational Biology, 2016, 12, e1005076.	3.2	234
5	Optimally controlling the human connectome: the role of network topology. Scientific Reports, 2016, 6, 30770.	3.3	190
6	Optimal trajectories of brain state transitions. NeuroImage, 2017, 148, 305-317.	4.2	143
7	Developmental increases in white matter network controllability support a growing diversity of brain dynamics. Nature Communications, 2017, 8, 1252.	12.8	140
8	Detecting hierarchical genome folding with network modularity. Nature Methods, 2018, 15, 119-122.	19.0	106
9	The Energy Landscape of Neurophysiological Activity Implicit in Brain Network Structure. Scientific Reports, 2018, 8, 2507.	3.3	81
10	Temporal lobe epilepsy. Neurology, 2019, 92, e2209-e2220.	1.1	80
11	The energy landscape underpinning module dynamics in the human brain connectome. NeuroImage, 2017, 157, 364-380.	4.2	53
12	Optimization of energy state transition trajectory supports the development of executive function during youth. ELife, 2020, 9, .	6.0	47
13	Functional hypergraph uncovers novel covariant structures over neurodevelopment. Human Brain Mapping, 2017, 38, 3823-3835.	3.6	44
14	Autaptic Connections Shift Network Excitability and Bursting. Scientific Reports, 2017, 7, 44006.	3.3	39
15	Network changes associated with transdiagnostic depressive symptom improvement following cognitive behavioral therapy in MDD and PTSD. Molecular Psychiatry, 2018, 23, 2314-2323.	7.9	30
16	Benchmarking Measures of Network Controllability on Canonical Graph Models. Journal of Nonlinear Science, 2020, 30, 2195-2233.	2.1	27
17	Measurement reliability for individual differences in multilayer network dynamics: Cautions and considerations. NeuroImage, 2021, 225, 117489.	4.2	24
18	RE: Warnings and caveats in brain controllability. NeuroImage, 2019, 197, 586-588.	4.2	19

#	ARTICLE	IF	CITATIONS
19	Unifying the Notions of Modularity and Core-Periphery Structure in Functional Brain Networks during Youth. <i>Cerebral Cortex</i> , 2020, 30, 1087-1102.	2.9	16
20	Detecting brain lesions in suspected acute ischemic stroke with CT-based synthetic MRI using generative adversarial networks. <i>Annals of Translational Medicine</i> , 2022, 10, 35-35.	1.7	11
21	Pairwise maximum entropy model explains the role of white matter structure in shaping emergent co-activation states. <i>Communications Biology</i> , 2021, 4, 210.	4.4	10
22	Network controllability mediates the relationship between rigid structure and flexible dynamics. <i>Network Neuroscience</i> , 2022, 6, 275-297.	2.6	9
23	Control theory illustrates the energy efficiency in the dynamic reconfiguration of functional connectivity. <i>Communications Biology</i> , 2022, 5, 295.	4.4	7
24	Age-associated network controllability changes in first episode drug-naïve schizophrenia. <i>BMC Psychiatry</i> , 2022, 22, 26.	2.6	2