Luke J Hearne

List of Publications by Year
in descending order

13	700	933447 10	1125743 13
papers	citations	h-index	g-index

20	20	20	1219
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Focal neural perturbations reshape low-dimensional trajectories of brain activity supporting cognitive performance. Nature Communications, 2022, 13, 4.	12.8	7
2	ADHD symptoms map onto noise-driven structureâ€“function decoupling between hub and peripheral brain regions. Molecular Psychiatry, 2021, 26, 4036-4045.	7.9	19
3	Activity flow underlying abnormalities in brain activations and cognition in schizophrenia. Science Advances, 2021, 7, .	10.3	21
4	Discovering the Computational Relevance of Brain Network Organization. Trends in Cognitive Sciences, 2020, 24, 25-38.	7.8	49
5	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
6	Core and matrix thalamic sub-populations relate to spatio-temporal cortical connectivity gradients. NeuroImage, 2020, 222, 117224.	4.2	58
7	The Latin Square Task as a Measure of Relational Reasoning. European Journal of Psychological Assessment, 2020, 36, 296-302.	3.0	4
8	The Low-Dimensional Neural Architecture of Cognitive Complexity Is Related to Activity in Medial Thalamic Nuclei. Neuron, 2019, 104, 849-855.e3.	8.1	67
9	Increased cognitive complexity reveals abnormal brain network activity in individuals with corpus callosum dysgenesis. NeuroImage: Clinical, 2019, 21, 101595.	2.7	23
10	Neural decoding of visual stimuli varies with fluctuations in global network efficiency. Human Brain Mapping, 2017, 38, 3069-3080.	3.6	17
11	Reconfiguration of Brain Network Architectures between Resting-State and Complexity-Dependent Cognitive Reasoning. Journal of Neuroscience, 2017, 37, 8399-8411.	3.6	131
12	Functional brain networks related to individual differences in human intelligence at rest. Scientific Reports, 2016, 6, 32328.	3.3	163
13	Interactions between default mode and control networks as a function of increasing cognitive reasoning complexity. Human Brain Mapping, 2015, 36, 2719-2731.	3.6	55