Alexandros Goulas

List of Publications by Year
in descending order

32	3,208	304743 22	414414 32
papers	citations	h-index	g-index

36	36	36	3376
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Situating the default-mode network along a principal gradient of macroscale cortical organization. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12574-12579.	7.1	1,481
2	A Systematic Relationship Between Functional Connectivity and Intracortical Myelin in the Human Cerebral Cortex. Cerebral Cortex, 2017, 27, 981-997.	2.9	233
3	Cross-species functional alignment reveals evolutionary hierarchy within the connectome. NeuroImage, 2020, 223, 117346.	4.2	136
4	â€˜Hierarchyâ€™ in the organization of brain networks. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190319.	4.0	115
5	Cortical Gradients and Laminar Projections in Mammals. Trends in Neurosciences, 2018, 41, 775-788.	8.6	114
6	Is the brain really a small-world network?. Brain Structure and Function, 2016, 221, 2361-2366.	2.3	98
7	Shaping brain structure: Genetic and phylogenetic axes of macroscale organization of cortical thickness. Science Advances, 2020, 6, .	10.3	97
8	Principles of ipsilateral and contralateral cortico-cortical connectivity in the mouse. Brain Structure and Function, 2017, 222, 1281-1295.	2.3	81
9	Comparative Analysis of the Macroscale Structural Connectivity in the Macaque and Human Brain. PLoS Computational Biology, 2014, 10, e1003529.	3.2	68
10	Unravelling the Intrinsic Functional Organization of the Human Lateral Frontal Cortex: A Parcellation Scheme Based on Resting State fMRI. Journal of Neuroscience, 2012, 32, 10238-10252.	3.6	66
11	The natural axis of transmitter receptor distribution in the human cerebral cortex. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	66
12	A blueprint of mammalian cortical connectomes. PLoS Biology, 2019, 17, e2005346.	5.6	64
13	Mapping the Hierarchical Layout of the Structural Network of the Macaque Prefrontal Cortex. Cerebral Cortex, 2014, 24, 1178-1194.	2.9	59
14	The strength of weak connections in the macaque cortico-cortical network. Brain Structure and Function, 2015, 220, 2939-2951.	2.3	55
15	Spatiotemporal ontogeny of brain wiring. Science Advances, 2019, 5, eaav9694.	10.3	47
16	A Connectomic Hypothesis for the Hominization of the Brain. Cerebral Cortex, 2021, 31, 2425-2449.	2.9	47
17	Methylphenidate reduces functional connectivity of nucleus accumbens in brain reward circuit. Psychopharmacology, 2013, 229, 219-226.	3.1	46
18	An architectonic type principle integrates macroscopic cortico-cortical connections with intrinsic cortical circuits of the primate brain. Network Neuroscience, 2019, 3, 905-923.	2.6	45

#	Article	IF	Citations
19	Imaging evolution of the primate brain: the next frontier?. NeuroImage, 2021, 228, 117685.	4.2	43
20	The architecture of mammalian cortical connectomes in light of the theory of the dual origin of the cerebral cortex. Cortex, 2019, 118, 244-261.	2.4	38
21	Human orbital and anterior medial prefrontal cortex: Intrinsic connectivity parcellation and functional organization. Brain Structure and Function, 2017, 222, 2941-2960.	2.3	28
22	Exploring the limits of network topology estimation using diffusion-based tractography and tracer studies in the macaque cortex. NeuroImage, 2019, 191, 81-92.	4.2	28
23	Bio-instantiated recurrent neural networks: Integrating neurobiology-based network topology in artificial networks. Neural Networks, 2021, 142, 608-618.	5.9	25
24	Intrinsic functional architecture of the macaque dorsal and ventral lateral frontal cortex. Journal of Neurophysiology, 2017, 117, 1084-1099.	1.8	22
25	Comprehensive computational modelling of the development of mammalian cortical connectivity underlying an architectonic type principle. PLoS Computational Biology, 2018, 14, e1006550.	3.2	20
26	A natural cortical axis connecting the outside and inside of the human brain. Network Neuroscience, 2022, 6, 950-959.	2.6	17
27	Maturation of task-induced brain activation and long range functional connectivity in adolescence revealed by multivariate pattern classification. NeuroImage, 2012, 60, 1250-1265.	4.2	14
28	Bringing Anatomical Information into Neuronal Network Models. Advances in Experimental Medicine and Biology, 2022, 1359, 201-234.	1.6	12
29	Disentangling cortical functional connectivity strength and topography reveals divergent roles of genes and environment. NeuroImage, 2022, 247, 118770.	4.2	9
30	Reverse inference of memory retrieval processes underlying metacognitive monitoring of learning using multivariate pattern analysis. NeuroImage, 2016, 132, 11-23.	4.2	6
31	Functional connectivity of task context representations in prefrontal nodes of the multiple demand network. Brain Structure and Function, 2018, 223, 2455-2473.	2.3	6
32	An architectonic type principle in the development of laminar patterns of cortico-cortical connections. Brain Structure and Function, 2021, 226, 979-987.	2.3	1