Chris Gaiteri

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1359780/publications.pdf

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45	4,912	218677	233421
papers	citations	26 h-index	45 g-index

53	53	53	8933
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Integrated Systems Approach Identifies Genetic Nodes and Networks in Late-Onset Alzheimerâ€™s Disease. Cell, 2013, 153, 707-720.	28.9	1,505
2	A molecular network of the aging human brain provides insights into the pathology and cognitive decline of Alzheimerâ€™s disease. Nature Neuroscience, 2018, 21, 811-819.	14.8	422
3	An xQTL map integrates the genetic architecture of the human brain's transcriptome and epigenome. Nature Neuroscience, 2017, 20, 1418-1426.	14.8	377
4	A multi-omic atlas of the human frontal cortex for aging and Alzheimerâ€™s disease research. Scientific Data, 2018, 5, 180142.	5.3	357
5	Beyond modules and hubs: the potential of gene coexpression networks for investigating molecular mechanisms of complex brain disorders. Genes, Brain and Behavior, 2014, 13, 13-24.	2.2	229
6	Large-scale deep multi-layer analysis of Alzheimerâ€™s disease brain reveals strong proteomic disease-related changes not observed at the RNA level. Nature Neuroscience, 2022, 25, 213-225.	14.8	202
7	Meta-Analysis of the Alzheimerâ€™s Disease Human Brain Transcriptome and Functional Dissection in Mouse Models. Cell Reports, 2020, 32, 107908.	6.4	199
8	A Molecular Signature of Depression in the Amygdala. American Journal of Psychiatry, 2009, 166, 1011-1024.	7.2	177
9	Variants in triggering receptor expressed on myeloid cells 2 are associated with both behavioral variant frontotemporal lobar degeneration and Alzheimer's disease. Neurobiology of Aging, 2013, 34, 2077.e11-2077.e18.	3.1	124
10	Targeted brain proteomics uncover multiple pathways to Alzheimer's dementia. Annals of Neurology, 2018, 84, 78-88.	5.3	102
11	Genetic variants in Alzheimer disease â€” molecular and brain network approaches. Nature Reviews Neurology, 2016, 12, 413-427.	10.1	97
12	Large eQTL meta-analysis reveals differing patterns between cerebral cortical and cerebellar brain regions. Scientific Data, 2020, 7, 340.	5.3	75
13	Stem cell-derived neurons reflect features of protein networks, neuropathology, and cognitive outcome of their aged human donors. Neuron, 2021, 109, 3402-3420.e9.	8.1	75
14	Identifying robust communities and multi-community nodes by combining top-down and bottom-up approaches to clustering. Scientific Reports, 2015, 5, 16361.	3.3	74
15	Deconvolving the contributions of cell-type heterogeneity on cortical gene expression. PLoS Computational Biology, 2020, 16, e1008120.	3.2	66
16	Physical activity, common brain pathologies, and cognition in community-dwelling older adults. Neurology, 2019, 92, e811-e822.	1.1	61
17	The Molecular and Neuropathological Consequences of Genetic Risk for Alzheimer's Dementia. Frontiers in Neuroscience, 2018, 12, 699.	2.8	47
18	TOMM40 â€²523 variant and cognitive decline in older persons with APOE Î¼3/3 genotype. Neurology, 2017, 88, 661-668.	1.1	45

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19	Polygenic analysis of inflammatory disease variants and effects on microglia in the aging brain. Molecular Neurodegeneration, 2018, 13, 38.	10.8	44
20	Seasonal plasticity of cognition and related biological measures in adults with and without Alzheimer disease: Analysis of multiple cohorts. PLoS Medicine, 2018, 15, e1002647.	8.4	42
21	APOE Îµ2Îµ4 genotype, incident AD and MCI, cognitive decline, and AD pathology in older adults. Neurology, 2018, 90, e2127-e2134.	1.1	42
22	APOE Îµ4-TOMM40 â€˜523 haplotypes and the risk of Alzheimerâ€™s disease in older Caucasian and African Americans. PLoS ONE, 2017, 12, e0180356.	2.5	39
23	Altered Gene Synchrony Suggests a Combined Hormone-Mediated Dysregulated State in Major Depression. PLoS ONE, 2010, 5, e9970.	2.5	38
24	The Interaction of Intrinsic Dynamics and Network Topology in Determining Network Burst Synchrony. Frontiers in Computational Neuroscience, 2011, 5, 10.	2.1	35
25	Differentially Expressed Genes in Major Depression Reside on the Periphery of Resilient Gene Coexpression Networks. Frontiers in Neuroscience, 2011, 5, 95.	2.8	33
26	Association Between Quantitative Gait and Balance Measures and Total Daily Physical Activity in Community-Dwelling Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 636-642.	3.6	33
27	Multi-omic Directed Networks Describe Features of Gene Regulation in Aged Brains and Expand the Set of Genes Driving Cognitive Decline. Frontiers in Genetics, 2018, 9, 294.	2.3	30
28	Quantitative Systems Pharmacology for Neuroscience Drug Discovery and Development: Current Status, Opportunities, and Challenges. CPT: Pharmacometrics and Systems Pharmacology, 2020, 9, 5-20.	2.5	29
29	Inferring protein expression changes from mRNA in Alzheimerâ€™s dementia using deep neural networks. Nature Communications, 2022, 13, 655.	12.8	29
30	Bayesian Network Reconstruction Using Systems Genetics Data: Comparison of MCMC Methods. Genetics, 2015, 199, 973-989.	2.9	27
31	Association of Cortical Î²-Amyloid Protein in the Absence of Insoluble Deposits With Alzheimer Disease. JAMA Neurology, 2019, 76, 818.	9.0	25
32	Gene expression and DNA methylation are extensively coordinated with MRI-based brain microstructural characteristics. Brain Imaging and Behavior, 2019, 13, 963-972.	2.1	24
33	Deep learning decodes the principles of differential gene expression. Nature Machine Intelligence, 2020, 2, 376-386.	16.0	22
34	Association Between Brain Gene Expression, DNA Methylation, and Alteration of Ex Vivo Magnetic Resonance Imaging Transverse Relaxation in Late-Life Cognitive Decline. JAMA Neurology, 2017, 74, 1473.	9.0	21
35	A cortical immune network map identifies distinct microglial transcriptional programs associated with Î²-amyloid and Tau pathologies. Translational Psychiatry, 2021, 11, 50.	4.8	19
36	APOE genotypes as a risk factor for ageâ€dependent accumulation of cerebrovascular disease in older adults. Alzheimer's and Dementia, 2019, 15, 258-266.	0.8	17

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37	Identifying the molecular systems that influence cognitive resilience to Alzheimer's disease in genetically diverse mice. Learning and Memory, 2020, 27, 355-371.	1.3	15
38	Cortical proteins may provide motor resilience in older adults. Scientific Reports, 2021, 11, 11311.	3.3	14
39	Microstructural changes in the brain mediate the association of AK4, IGFBP5, HSPB2, and ITPK1 with cognitive decline. Neurobiology of Aging, 2019, 84, 17-25.	3.1	11
40	Genetic risk for Alzheimerâ€™s dementia predicts motor deficits through multi-omic systems in older adults. Translational Psychiatry, 2019, 9, 241.	4.8	11
41	Cognition may link cortical IGFBP5 levels with motor function in older adults. PLoS ONE, 2019, 14, e0220968.	2.5	8
42	Network analysis of positional candidate genes of schizophrenia highlightsâ€¦ more thanâ€¦ myelin-related pathways. Molecular Psychiatry, 2010, 15, 786-788.	7.9	7
43	Using Transcriptomic Hidden Variables to Infer Context-Specific Genotype Effects in the Brain. American Journal of Human Genetics, 2019, 105, 562-572.	6.2	7
44	Supporting novel biomedical research via multilayer collaboration networks. Applied Network Science, 2016, 1, 11.	1.5	3
45	Largeâ€scale deep multiâ€layer analysis of Alzheimerâ€™s disease brain reveals strong proteomic diseaseâ€related changes not observed at the RNA level. Alzheimer's and Dementia, 2021, 17, e055041.	0.8	1