Gabriel Santpere BarÃ³

List of Publications by Year
in descending order

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56	6,824	136950	144013
papers	citations	32	57
		h-index	g-index

66	66	66	12419
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transcriptome-wide isoform-level dysregulation in ASD, schizophrenia, and bipolar disorder. Science, 2018, 362, .	12.6	805
2	Great ape genetic diversity and population history. Nature, 2013, 499, 471-475.	27.8	768
3	Comprehensive functional genomic resource and integrative model for the human brain. Science, 2018, 362, .	12.6	618
4	Integrative functional genomic analysis of human brain development and neuropsychiatric risks. Science, 2018, 362, .	12.6	516
5	Derived immune and ancestral pigmentation alleles in a 7,000-year-old Mesolithic European. Nature, 2014, 507, 225-228.	27.8	328
6	Molecular topography of an entire nervous system. Cell, 2021, 184, 4329-4347.e23.	28.9	328
7	Evolution of the Human Nervous System Function, Structure, and Development. Cell, 2017, 170, 226-247.	28.9	316
8	Severe Alterations in Lipid Composition of Frontal Cortex Lipid Rafts from Parkinsonâ€™s Disease and Incidental Parkinsonâ€™s Disease. Molecular Medicine, 2011, 17, 1107-1118.	4.4	308
9	Spatiotemporal transcriptomic divergence across human and macaque brain development. Science, 2018, 362, .	12.6	279
10	Lipid Alterations in Lipid Rafts from Alzheimer's Disease Human Brain Cortex. Journal of Alzheimer's Disease, 2010, 19, 489-502.	2.6	235
11	Transcriptome and epigenome landscape of human cortical development modeled in organoids. Science, 2018, 362, .	12.6	220
12	Argyrophilic grain disease. Brain, 2008, 131, 1416-1432.	7.6	183
13	Brain Protein Preservation Largely Depends on the Postmortem Storage Temperature. Journal of Neuropathology and Experimental Neurology, 2007, 66, 35-46.	1.7	151
14	Transcriptomic taxonomy and neurogenic trajectories of adult human, macaque, and pig hippocampal and entorhinal cells. Neuron, 2022, 110, 452-469.e14.	8.1	142
15	Spatial and cell type transcriptional landscape of human cerebellar development. Nature Neuroscience, 2021, 24, 1163-1175.	14.8	98
16	Whole-Genome and RNA Sequencing Reveal Variation and Transcriptomic Coordination in the Developing Human Prefrontal Cortex. Cell Reports, 2020, 31, 107489.	6.4	91
17	VDAC and ERÎ± interaction in caveolae from human cortex is altered in Alzheimer's disease. Molecular and Cellular Neurosciences, 2009, 42, 172-183.	2.2	83
18	Extreme selective sweeps independently targeted the X chromosomes of the great apes. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6413-6418.	7.1	75

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19	Genome-Wide Analysis of Wild-Type Epsteinâ€“Barr Virus Genomes Derived from Healthy Individuals of the 1000 Genomes Project. Genome Biology and Evolution, 2014, 6, 846-860.	2.5	74
20	Natural Selection in the Great Apes. Molecular Biology and Evolution, 2016, 33, 3268-3283.	8.9	70
21	Evidence for Premature Lipid Raft Aging in APP/PS1 Double-Transgenic Mice, a Model of Familial Alzheimer Disease. Journal of Neuropathology and Experimental Neurology, 2012, 71, 868-881.	1.7	69
22	Altered Distribution of RhoA in Alzheimer's Disease and AÎ²PP Overexpressing Mice. Journal of Alzheimer's Disease, 2010, 19, 37-56.	2.6	67
23	Abnormal Sp1 transcription factor expression in Alzheimer disease and tauopathies. Neuroscience Letters, 2006, 397, 30-34.	2.1	62
24	LRRK2 and neurodegeneration. Acta Neuropathologica, 2009, 117, 227-246.	7.7	62
25	Regulation of prefrontal patterning and connectivity by retinoic acid. Nature, 2021, 598, 483-488.	27.8	59
26	Morphological alterations to neurons of the amygdala and impaired fear conditioning in a transgenic mouse model of Alzheimer's disease. Journal of Pathology, 2009, 219, 41-51.	4.5	54
27	Whole-genome sequence analysis of a Pan African set of samples reveals archaic gene flow from an extinct basal population of modern humans into sub-Saharan populations. Genome Biology, 2019, 20, 77.	8.8	50
28	Neuronal and glial 3D chromatin architecture informs the cellular etiology of brain disorders. Nature Communications, 2021, 12, 3968.	12.8	48
29	Mechanisms of Binding Specificity among bHLH Transcription Factors. International Journal of Molecular Sciences, 2021, 22, 9150.	4.1	45
30	Delineation of Early Changes in Cases with Progressive Supranuclear Palsyâ€Like Pathology. Astrocytes in Striatum are Primary Targets of Tau Phosphorylation and GFAP Oxidation. Brain Pathology, 2009, 19, 177-187.	4.1	44
31	Transcriptional priming as a conserved mechanism of lineage diversification in the developing mouse and human neocortex. Science Advances, 2020, 6, .	10.3	43
32	Genome data from a sixteenth century pig illuminate modern breed relationships. Heredity, 2015, 114, 175-184.	2.6	39
33	Functional transcriptomic annotation and proteinâ€“protein interaction network analysis identify NEK2, BIRC5, and TOP2A as potential targets in obese patients with luminal A breast cancer. Breast Cancer Research and Treatment, 2018, 168, 613-623.	2.5	36
34	Transcriptional network analysis in frontal cortex in <scp>L</scp>ewy body diseases with focus on dementia with <scp>L</scp>ewy bodies. Brain Pathology, 2018, 28, 315-333.	4.1	35
35	Enhanced Botrytis cinerea Resistance of Arabidopsis Plants Grown in Compost May Be Explained by Increased Expression of Defense-Related Genes, as Revealed by Microarray Analysis. PLoS ONE, 2013, 8, e56075.	2.5	31
36	Whole genome diversity of inherited chromosomally integrated HHV-6 derived from healthy individuals of diverse geographic origin. Scientific Reports, 2018, 8, 3472.	3.3	26

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37	Similar genomic proportions of copy number variation within gray wolves and modern dog breeds inferred from whole genome sequencing. BMC Genomics, 2017, 18, 977.	2.8	24
38	The Presence of Human Herpesvirus 6 in the Brain in Health and Disease. Biomolecules, 2020, 10, 1520.	4.0	24
39	Modeling the Evolution of Human Brain Development Using Organoids. Cell, 2019, 179, 1250-1253.	28.9	23
40	Genetic factors affecting EBV copy number in lymphoblastoid cell lines derived from the 1000 Genome Project samples. PLoS ONE, 2017, 12, e0179446.	2.5	22
41	Disruption of NEUROD2 causes a neurodevelopmental syndrome with autistic features via cell-autonomous defects in forebrain glutamatergic neurons. Molecular Psychiatry, 2021, 26, 6125-6148.	7.9	21
42	Accelerated exon evolution within primate segmental duplications. Genome Biology, 2013, 14, R9.	9.6	19
43	Low molecular weight species of tau in Alzheimer's disease are dependent on tau phosphorylation sites but not on delayed post-mortem delay in tissue processing. Neuroscience Letters, 2006, 399, 106-110.	2.1	18
44	Interhemispheric gene expression differences in the cerebral cortex of humans and macaque monkeys. Brain Structure and Function, 2017, 222, 3241-3254.	2.3	16
45	Gene Expression Profile in Frontal Cortex in Sporadic Frontotemporal Lobar Degeneration-TDP. Journal of Neuropathology and Experimental Neurology, 2018, 77, 608-627.	1.7	15
46	Phylogenomic analyses of the genusDrosophilareveals genomic signals of climate adaptation. Molecular Ecology Resources, 2022, 22, 1559-1581.	4.8	15
47	Coenzyme Q Induces Tau Aggregation, Tau Filaments, and Hirano Bodies. Journal of Neuropathology and Experimental Neurology, 2008, 67, 428-434.	1.7	13
48	Differences in molecular evolutionary rates among microRNAs in the human and chimpanzee genomes. BMC Genomics, 2016, 17, 528.	2.8	13
49	Transcriptome evolution from breast epithelial cells to basal-like tumors. Oncotarget, 2018, 9, 453-463.	1.8	11
50	C-Terminal end and aminoacid Lys48 in HMG-CoA lyase are involved in substrate binding and enzyme activity. Molecular Genetics and Metabolism, 2007, 91, 120-127.	1.1	10
51	Breeding system and ecological traits of the critically endangered endemic plant Limonium barceloi (Gil and Llorens) (Plumbaginaceae). Plant Systematics and Evolution, 2012, 298, 1101-1110.	0.9	10
52	Expanding the Geographic Characterisation of Epsteinâ€“Barr Virus Variation through Gene-Based Approaches. Microorganisms, 2020, 8, 1686.	3.6	10
53	Expression of transcription factors c-Fos, c-Jun, CREB-1 and ATF-2, and caspase-3 in relation with abnormal tau deposits in Pickâ€™s disease. Acta Neuropathologica, 2006, 111, 341-350.	7.7	4
54	Human herpesvirus diversity is altered in HLA class I binding peptides. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2123248119.	7.1	3

#	Article	IF	Citations
55	Analysis of Five Gene Sets in Chimpanzees Suggests Decoupling between the Action of Selection on Protein-Coding and on Noncoding Elements. Genome Biology and Evolution, 2015, 7, 1490-1505.	2.5	1
56	Immediate Early Genes, Inducible Transcription Factors and Stress Kinases in Alzheimerâ€™s Disease. , 2006, , 243-260.		1