

Gabriel Santpere BarÃ³

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

6,824
citations

136950

32
h-index

144013

57
g-index

66
all docs

66
docs citations

66
times ranked

12419
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Phylogenomic analyses of the genus <i>Drosophila</i> reveals genomic signals of climate adaptation. <i>Molecular Ecology Resources</i> , 2022, 22, 1559-1581. | 4.8 | 15 |
| 2 | Transcriptomic taxonomy and neurogenic trajectories of adult human, macaque, and pig hippocampal and entorhinal cells. <i>Neuron</i> , 2022, 110, 452-469.e14. | 8.1 | 142 |
| 3 | Human herpesvirus diversity is altered in HLA class I binding peptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2123248119. | 7.1 | 3 |
| 4 | Spatial and cell type transcriptional landscape of human cerebellar development. <i>Nature Neuroscience</i> , 2021, 24, 1163-1175. | 14.8 | 98 |
| 5 | Disruption of NEUROD2 causes a neurodevelopmental syndrome with autistic features via cell-autonomous defects in forebrain glutamatergic neurons. <i>Molecular Psychiatry</i> , 2021, 26, 6125-6148. | 7.9 | 21 |
| 6 | Neuronal and glial 3D chromatin architecture informs the cellular etiology of brain disorders. <i>Nature Communications</i> , 2021, 12, 3968. | 12.8 | 48 |
| 7 | Mechanisms of Binding Specificity among bHLH Transcription Factors. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9150. | 4.1 | 45 |
| 8 | Molecular topography of an entire nervous system. <i>Cell</i> , 2021, 184, 4329-4347.e23. | 28.9 | 328 |
| 9 | Regulation of prefrontal patterning and connectivity by retinoic acid. <i>Nature</i> , 2021, 598, 483-488. | 27.8 | 59 |
| 10 | The Presence of Human Herpesvirus 6 in the Brain in Health and Disease. <i>Biomolecules</i> , 2020, 10, 1520. | 4.0 | 24 |
| 11 | Transcriptional priming as a conserved mechanism of lineage diversification in the developing mouse and human neocortex. <i>Science Advances</i> , 2020, 6, . | 10.3 | 43 |
| 12 | Expanding the Geographic Characterisation of Epstein-Barr Virus Variation through Gene-Based Approaches. <i>Microorganisms</i> , 2020, 8, 1686. | 3.6 | 10 |
| 13 | Whole-Genome and RNA Sequencing Reveal Variation and Transcriptomic Coordination in the Developing Human Prefrontal Cortex. <i>Cell Reports</i> , 2020, 31, 107489. | 6.4 | 91 |
| 14 | 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. <i>Genome Biology</i> , 2019, 20, 77. | 8.8 | 50 |
| 15 | Modeling the Evolution of Human Brain Development Using Organoids. <i>Cell</i> , 2019, 179, 1250-1253. | 28.9 | 23 |
| 16 | Whole genome diversity of inherited chromosomally integrated HHV-6 derived from healthy individuals of diverse geographic origin. <i>Scientific Reports</i> , 2018, 8, 3472. | 3.3 | 26 |
| 17 | Functional transcriptomic annotation and protein-protein interaction network analysis identify NEK2, BIRC5, and TOP2A as potential targets in obese patients with luminal A breast cancer. <i>Breast Cancer Research and Treatment</i> , 2018, 168, 613-623. | 2.5 | 36 |
| 18 | Transcriptional network analysis in frontal cortex in <i>scp</i> body diseases with focus on dementia with <i>scp</i> bodies. <i>Brain Pathology</i> , 2018, 28, 315-333. | 4.1 | 35 |

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|----|--|------|-----------|
| 19 | Transcriptome and epigenome landscape of human cortical development modeled in organoids. Science, 2018, 362, . | 12.6 | 220 |
| 20 | Integrative functional genomic analysis of human brain development and neuropsychiatric risks. Science, 2018, 362, . | 12.6 | 516 |
| 21 | Spatiotemporal transcriptomic divergence across human and macaque brain development. Science, 2018, 362, . | 12.6 | 279 |
| 22 | Transcriptome-wide isoform-level dysregulation in ASD, schizophrenia, and bipolar disorder. Science, 2018, 362, . | 12.6 | 805 |
| 23 | Comprehensive functional genomic resource and integrative model for the human brain. Science, 2018, 362, . | 12.6 | 618 |
| 24 | Transcriptome evolution from breast epithelial cells to basal-like tumors. Oncotarget, 2018, 9, 453-463. | 1.8 | 11 |
| 25 | 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 |
| 26 | Interhemispheric gene expression differences in the cerebral cortex of humans and macaque monkeys. Brain Structure and Function, 2017, 222, 3241-3254. | 2.3 | 16 |
| 27 | Evolution of the Human Nervous System Function, Structure, and Development. Cell, 2017, 170, 226-247. | 28.9 | 316 |
| 28 | 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 |
| 29 | 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 |
| 30 | Differences in molecular evolutionary rates among microRNAs in the human and chimpanzee genomes. BMC Genomics, 2016, 17, 528. | 2.8 | 13 |
| 31 | Natural Selection in the Great Apes. Molecular Biology and Evolution, 2016, 33, 3268-3283. | 8.9 | 70 |
| 32 | 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 |
| 33 | Genome data from a sixteenth century pig illuminate modern breed relationships. Heredity, 2015, 114, 175-184. | 2.6 | 39 |
| 34 | 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 |
| 35 | Genome-Wide Analysis of Wild-Type Epstein-Barr Virus Genomes Derived from Healthy Individuals of the 1000 Genomes Project. Genome Biology and Evolution, 2014, 6, 846-860. | 2.5 | 74 |
| 36 | Derived immune and ancestral pigmentation alleles in a 7,000-year-old Mesolithic European. Nature, 2014, 507, 225-228. | 27.8 | 328 |

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|----|---|------|-----------|
| 37 | Accelerated exon evolution within primate segmental duplications. <i>Genome Biology</i> , 2013, 14, R9. | 9.6 | 19 |
| 38 | Great ape genetic diversity and population history. <i>Nature</i> , 2013, 499, 471-475. | 27.8 | 768 |
| 39 | Enhanced <i>Botrytis cinerea</i> Resistance of <i>Arabidopsis</i> Plants Grown in Compost May Be Explained by Increased Expression of Defense-Related Genes, as Revealed by Microarray Analysis. <i>PLoS ONE</i> , 2013, 8, e56075. | 2.5 | 31 |
| 40 | Evidence for Premature Lipid Raft Aging in APP/PS1 Double-Transgenic Mice, a Model of Familial Alzheimer Disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2012, 71, 868-881. | 1.7 | 69 |
| 41 | Breeding system and ecological traits of the critically endangered endemic plant <i>Limonium barceloi</i> (Gil and Llorens) (Plumbaginaceae). <i>Plant Systematics and Evolution</i> , 2012, 298, 1101-1110. | 0.9 | 10 |
| 42 | Severe Alterations in Lipid Composition of Frontal Cortex Lipid Rafts from Parkinson's Disease and Incidental Parkinson's Disease. <i>Molecular Medicine</i> , 2011, 17, 1107-1118. | 4.4 | 308 |
| 43 | Altered Distribution of RhoA in Alzheimer's Disease and A β PP Overexpressing Mice. <i>Journal of Alzheimer's Disease</i> , 2010, 19, 37-56. | 2.6 | 67 |
| 44 | Lipid Alterations in Lipid Rafts from Alzheimer's Disease Human Brain Cortex. <i>Journal of Alzheimer's Disease</i> , 2010, 19, 489-502. | 2.6 | 235 |
| 45 | LRRK2 and neurodegeneration. <i>Acta Neuropathologica</i> , 2009, 117, 227-246. | 7.7 | 62 |
| 46 | Morphological alterations to neurons of the amygdala and impaired fear conditioning in a transgenic mouse model of Alzheimer's disease. <i>Journal of Pathology</i> , 2009, 219, 41-51. | 4.5 | 54 |
| 47 | Delineation of Early Changes in Cases with Progressive Supranuclear Palsy-Like Pathology. Astrocytes in Striatum are Primary Targets of Tau Phosphorylation and GFAP Oxidation. <i>Brain Pathology</i> , 2009, 19, 177-187. | 4.1 | 44 |
| 48 | VDAC and ER α interaction in caveolae from human cortex is altered in Alzheimer's disease. <i>Molecular and Cellular Neurosciences</i> , 2009, 42, 172-183. | 2.2 | 83 |
| 49 | Argyrophilic grain disease. <i>Brain</i> , 2008, 131, 1416-1432. | 7.6 | 183 |
| 50 | Coenzyme Q Induces Tau Aggregation, Tau Filaments, and Hirano Bodies. <i>Journal of Neuropathology and Experimental Neurology</i> , 2008, 67, 428-434. | 1.7 | 13 |
| 51 | Brain Protein Preservation Largely Depends on the Postmortem Storage Temperature. <i>Journal of Neuropathology and Experimental Neurology</i> , 2007, 66, 35-46. | 1.7 | 151 |
| 52 | C-Terminal end and aminoacid Lys48 in HMG-CoA lyase are involved in substrate binding and enzyme activity. <i>Molecular Genetics and Metabolism</i> , 2007, 91, 120-127. | 1.1 | 10 |
| 53 | Abnormal Sp1 transcription factor expression in Alzheimer disease and tauopathies. <i>Neuroscience Letters</i> , 2006, 397, 30-34. | 2.1 | 62 |
| 54 | 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. <i>Neuroscience Letters</i> , 2006, 399, 106-110. | 2.1 | 18 |

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| 55 | 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. <i>Acta Neuropathologica</i> , 2006, 111, 341-350. | 7.7 | 4 |
| 56 | Immediate Early Genes, Inducible Transcription Factors and Stress Kinases in Alzheimerâ€™s Disease. , 2006, , 243-260. | | 1 |