

Sergi Castellano

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

10,264
citations

304743

22
h-index

454955

30
g-index

41
all docs

41
docs citations

41
times ranked

14993
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Sequence and comparative analysis of the chicken genome provide unique perspectives on vertebrate evolution. <i>Nature</i> , 2004, 432, 695-716. | 27.8 | 2,421 |
| 2 | Characterization of Mammalian Selenoproteomes. <i>Science</i> , 2003, 300, 1439-1443. | 12.6 | 2,019 |
| 3 | Genome duplication in the teleost fish <i>Tetraodon nigroviridis</i> reveals the early vertebrate proto-karyotype. <i>Nature</i> , 2004, 431, 946-957. | 27.8 | 1,801 |
| 4 | Ancient human genomes suggest three ancestral populations for present-day Europeans. <i>Nature</i> , 2014, 513, 409-413. | 27.8 | 1,179 |
| 5 | A Revised Timescale for Human Evolution Based on Ancient Mitochondrial Genomes. <i>Current Biology</i> , 2013, 23, 553-559. | 3.9 | 540 |
| 6 | Ancient gene flow from early modern humans into Eastern Neanderthals. <i>Nature</i> , 2016, 530, 429-433. | 27.8 | 392 |
| 7 | Establishment and lineage dynamics of the SARS-CoV-2 epidemic in the UK. <i>Science</i> , 2021, 371, 708-712. | 12.6 | 335 |
| 8 | Chimpanzee genomic diversity reveals ancient admixture with bonobos. <i>Science</i> , 2016, 354, 477-481. | 12.6 | 230 |
| 9 | Patterns of coding variation in the complete exomes of three Neandertals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6666-6671. | 7.1 | 223 |
| 10 | Selenoprotein Gene Nomenclature. <i>Journal of Biological Chemistry</i> , 2016, 291, 24036-24040. | 3.4 | 207 |
| 11 | In silico identification of novel selenoproteins in the <i>Drosophila melanogaster</i> genome. <i>EMBO Reports</i> , 2001, 2, 697-702. | 4.5 | 110 |
| 12 | Reconsidering the evolution of eukaryotic selenoproteins: a novel nonmammalian family with scattered phylogenetic distribution. <i>EMBO Reports</i> , 2004, 5, 71-77. | 4.5 | 99 |
| 13 | Diversity and functional plasticity of eukaryotic selenoproteins: Identification and characterization of the Selj family. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 16188-16193. | 7.1 | 94 |
| 14 | Genomic epidemiology reveals multiple introductions of SARS-CoV-2 from mainland Europe into Scotland. <i>Nature Microbiology</i> , 2021, 6, 112-122. | 13.3 | 88 |
| 15 | The Divergence of Neandertal and Modern Human Y Chromosomes. <i>American Journal of Human Genetics</i> , 2016, 98, 728-734. | 6.2 | 81 |
| 16 | Nematode selenoproteome: the use of the selenocysteine insertion system to decode one codon in an animal genome?. <i>Nucleic Acids Research</i> , 2005, 33, 2227-2238. | 14.5 | 76 |
| 17 | The Genomics of Human Local Adaptation. <i>Trends in Genetics</i> , 2020, 36, 415-428. | 6.7 | 75 |
| 18 | SelenoDB 1.0 : a database of selenoprotein genes, proteins and SECIS elements. <i>Nucleic Acids Research</i> , 2008, 36, D332-D338. | 14.5 | 54 |

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|----|--|------|-----------|
| 19 | Subgenomic RNA identification in SARS-CoV-2 genomic sequencing data. <i>Genome Research</i> , 2021, 31, 645-658. | 5.5 | 48 |
| 20 | Low Exchangeability of Selenocysteine, the 21st Amino Acid, in Vertebrate Proteins. <i>Molecular Biology and Evolution</i> , 2009, 26, 2031-2040. | 8.9 | 38 |
| 21 | SelenoDB 2.0: annotation of selenoprotein genes in animals and their genetic diversity in humans. <i>Nucleic Acids Research</i> , 2014, 42, D437-D443. | 14.5 | 35 |
| 22 | Genetic Adaptation to Levels of Dietary Selenium in Recent Human History. <i>Molecular Biology and Evolution</i> , 2015, 32, 1507-1518. | 8.9 | 29 |
| 23 | On the unique function of selenocysteine " Insights from the evolution of selenoproteins. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009, 1790, 1463-1470. | 2.4 | 21 |
| 24 | The impact of genetic adaptation on chimpanzee subspecies differentiation. <i>PLoS Genetics</i> , 2019, 15, e1008485. | 3.5 | 15 |
| 25 | Distinct Patterns of Selection in Selenium-Dependent Genes between Land and Aquatic Vertebrates. <i>Molecular Biology and Evolution</i> , 2018, 35, 1744-1756. | 8.9 | 14 |
| 26 | The genomics of selenium: Its past, present and future. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 2427-2432. | 2.4 | 14 |
| 27 | Determination of genetic relatedness from low coverage human genome sequences using pedigree simulations. <i>Molecular Ecology</i> , 2017, 26, 4145-4157. | 3.9 | 12 |
| 28 | Genome Annotation. , 2019, , 195-209. | | 3 |
| 29 | Taming Cell-to-Cell Heterogeneity in Acute Myeloid Leukaemia With Machine Learning. <i>Frontiers in Oncology</i> , 2021, 11, 666829. | 2.8 | 3 |
| 30 | The Enhanced Functionality of Low-Affinity CD19 CAR T Cells Is Associated with Activation Priming and Polyfunctional Cytokine Phenotype. <i>Blood</i> , 2020, 136, 52-53. | 1.4 | 3 |
| 31 | Selenium strikes back at fungi. <i>Nature Microbiology</i> , 2019, 4, 726-727. | 13.3 | 1 |
| 32 | The Role of Selenium in Human Evolution. , 2016, , 59-71. | | 1 |
| 33 | Evolutionary Basis for the Use of Selenocysteine. , 2011, , 85-93. | | 0 |
| 34 | The impact of genetic adaptation on chimpanzee subspecies differentiation. , 2019, 15, e1008485. | | 0 |
| 35 | The impact of genetic adaptation on chimpanzee subspecies differentiation. , 2019, 15, e1008485. | | 0 |
| 36 | The impact of genetic adaptation on chimpanzee subspecies differentiation. , 2019, 15, e1008485. | | 0 |