Sergi Castellano

List of Publications by Year
in descending order

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36 papers	10,264 citations	304602 22 h-index	454834 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. Nature, 2004, 432, 695-716.	13.7	2,421
2	Characterization of Mammalian Selenoproteomes. Science, 2003, 300, 1439-1443.	6.0	2,019
3	Genome duplication in the teleost fish Tetraodon nigroviridis reveals the early vertebrate proto-karyotype. Nature, 2004, 431, 946-957.	13.7	1,801
4	Ancient human genomes suggest three ancestral populations for present-day Europeans. Nature, 2014, 513, 409-413.	13.7	1,179
5	A Revised Timescale for Human Evolution Based on Ancient Mitochondrial Genomes. Current Biology, 2013, 23, 553-559.	1.8	540
6	Ancient gene flow from early modern humans into Eastern Neanderthals. Nature, 2016, 530, 429-433.	13.7	392
7	Establishment and lineage dynamics of the SARS-CoV-2 epidemic in the UK. Science, 2021, 371, 708-712.	6.0	335
8	Chimpanzee genomic diversity reveals ancient admixture with bonobos. Science, 2016, 354, 477-481.	6.0	230
9	Patterns of coding variation in the complete exomes of three Neandertals. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6666-6671.	3.3	223
10	Selenoprotein Gene Nomenclature. Journal of Biological Chemistry, 2016, 291, 24036-24040.	1.6	207
11	In silico identification of novel selenoproteins in the Drosophila melanogaster genome. EMBO Reports, 2001, 2, 697-702.	2.0	110
12	Reconsidering the evolution of eukaryotic selenoproteins: a novel nonmammalian family with scattered phylogenetic distribution. EMBO Reports, 2004, 5, 71-77.	2.0	99
13	Diversity and functional plasticity of eukaryotic selenoproteins: Identification and characterization of the SelJ family. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16188-16193.	3.3	94
14	Genomic epidemiology reveals multiple introductions of SARS-CoV-2 from mainland Europe into Scotland. Nature Microbiology, 2021, 6, 112-122.	5.9	88
15	The Divergence of Neandertal and Modern Human Y Chromosomes. American Journal of Human Genetics, 2016, 98, 728-734.	2.6	81
16	Nematode selenoproteome: the use of the selenocysteine insertion system to decode one codon in an animal genome?. Nucleic Acids Research, 2005, 33, 2227-2238.	6.5	76
17	The Genomics of Human Local Adaptation. Trends in Genetics, 2020, 36, 415-428.	2.9	75
18	SelenoDB 1.0 : a database of selenoprotein genes, proteins and SECIS elements. Nucleic Acids Research, 2008, 36, D332-D338.	6.5	54

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19	Subgenomic RNA identification in SARS-CoV-2 genomic sequencing data. Genome Research, 2021, 31, 645-658.	2.4	48
20	Low Exchangeability of Selenocysteine, the 21st Amino Acid, in Vertebrate Proteins. Molecular Biology and Evolution, 2009, 26, 2031-2040.	3.5	38
21	SelenoDB 2.0: annotation of selenoprotein genes in animals and their genetic diversity in humans. Nucleic Acids Research, 2014, 42, D437-D443.	6.5	35
22	Genetic Adaptation to Levels of Dietary Selenium in Recent Human History. Molecular Biology and Evolution, 2015, 32, 1507-1518.	3.5	29
23	On the unique function of selenocysteine â€" Insights from the evolution of selenoproteins. Biochimica Et Biophysica Acta - General Subjects, 2009, 1790, 1463-1470.	1.1	21
24	The impact of genetic adaptation on chimpanzee subspecies differentiation. PLoS Genetics, 2019, 15, e1008485.	1.5	15
25	Distinct Patterns of Selection in Selenium-Dependent Genes between Land and Aquatic Vertebrates. Molecular Biology and Evolution, 2018, 35, 1744-1756.	3.5	14
26	The genomics of selenium: Its past, present and future. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 2427-2432.	1.1	14
27	Determination of genetic relatedness from lowâ€coverage human genome sequences using pedigree simulations. Molecular Ecology, 2017, 26, 4145-4157.	2.0	12
28	Genome Annotation. , 2019, , 195-209.		3
29	Taming Cell-to-Cell Heterogeneity in Acute Myeloid Leukaemia With Machine Learning. Frontiers in Oncology, 2021, 11, 666829.	1.3	3
30	The Enhanced Functionality of Low-Affinity CD19 CAR T Cells Is Associated with Activation Priming and Polyfunctional Cytokine Phenotype. Blood, 2020, 136, 52-53.	0.6	3
31	Selenium strikes back at fungi. Nature Microbiology, 2019, 4, 726-727.	5.9	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