José Carbonell-Caballero

List of Publications by Year
in descending order

29 papers	2,669 citations	331670 21 h-index	501196 28 g-index
31 all docs	31 docs citations	31 times ranked	5126 citing authors

#	Article	IF	Citations
1	Genomics of the origin and evolution of Citrus. Nature, 2018, 554, 311-316.	27.8	552
2	MRI denoising using Non-Local Means. Medical Image Analysis, 2008, 12, 514-523.	11.6	467
3	Combining tumor genome simulation with crowdsourcing to benchmark somatic single-nucleotide-variant detection. Nature Methods, 2015, 12, 623-630.	19.0	282
4	A Phylogenetic Analysis of 34 Chloroplast Genomes Elucidates the Relationships between Wild and Domestic Species within the Genus*Citrus*. Molecular Biology and Evolution, 2015, 32, 2015-2035.	8.9	272
5	The effects of death and post-mortem cold ischemia on human tissue transcriptomes. Nature Communications, 2018, 9, 490.	12.8	198
6	Babelomics 5.0: functional interpretation for new generations of genomic data. Nucleic Acids Research, 2015, 43, W117-W121.	14.5	114
7	Sequencing and functional analysis of the genome of a nematode egg-parasitic fungus, Pochonia chlamydosporia. Fungal Genetics and Biology, 2014, 65, 69-80.	2.1	105
8	Increased amygdala and parahippocampal gyrus activation in schizophrenic patients with auditory hallucinations: An fMRI study using independent component analysis. Schizophrenia Research, 2010, 117, 31-41.	2.0	75
9	High throughput estimation of functional cell activities reveals disease mechanisms and predicts relevant clinical outcomes. Oncotarget, 2017, 8, 5160-5178.	1.8	66
10	A nonparametric MRI inhomogeneity correction method. Medical Image Analysis, 2007, 11, 336-345.	11.6	60
11	Robust MRI brain tissue parameter estimation by multistage outlier rejection. Magnetic Resonance in Medicine, 2008, 59, 866-873.	3.0	52
12	Arginine Citrullination at the C-Terminal Domain Controls RNA Polymerase II Transcription. Molecular Cell, 2019, 73, 84-96.e7.	9.7	50
13	Hormone-control regions mediate steroid receptor–dependent genome organization. Genome Research, 2019, 29, 29-39.	5.5	49
14	A comparison of mechanistic signaling pathway activity analysis methods. Briefings in Bioinformatics, 2019, 20, 1655-1668.	6.5	33
15	Differential metabolic activity and discovery of therapeutic targets using summarized metabolic pathway models. Npj Systems Biology and Applications, 2019, 5, 7.	3.0	30
16	The pan-cancer pathological regulatory landscape. Scientific Reports, 2016, 6, 39709.	3.3	29
17	A map of human microRNA variation uncovers unexpectedly high levels of variability. Genome Medicine, 2012, 4, 62.	8.2	28
18	The role of the interactome in the maintenance of deleterious variability in human populations. Molecular Systems Biology, 2014, 10, 752.	7.2	28

#	Article	IF	Citations
19	Actionable pathways: interactive discovery of therapeutic targets using signaling pathway models. Nucleic Acids Research, 2016, 44, W212-W216.	14.5	27
20	Expression of Oncogenic Drivers in 3D Cell Culture Depends on Nuclear ATP Synthesis by NUDT5. Cancers, 2019, 11, 1337.	3.7	27
21	Models of cell signaling uncover molecular mechanisms of high-risk neuroblastoma and predict disease outcome. Biology Direct, 2018, 13, 16.	4.6	26
22	The Mutational Landscape of Acute Promyelocytic Leukemia Reveals an Interacting Network of Co-Occurrences and Recurrent Mutations. PLoS ONE, 2016, 11, e0148346.	2.5	23
23	Community Assessment of the Predictability of Cancer Protein and Phosphoprotein Levels from Genomics and Transcriptomics. Cell Systems, 2020, 11, 186-195.e9.	6.2	19
24	Involvement of a citrus meiotic recombination TTC-repeat motif in the formation of gross deletions generated by ionizing radiation and MULE activation. BMC Genomics, 2015, 16, 69.	2.8	15
25	Accurate quantification methods to evaluate cervical cord atrophy in multiple sclerosis patients. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2006, 19, 237-246.	2.0	14
26	Molecular interactions between sugar beet and *Polymyxa betae* during its life cycle. Annals of Applied Biology, 2014, 164, 244-256.	2.5	10
27	Plastome genomics in South American maize landraces: chloroplast lineages parallel the geographical structuring of nuclear gene pools. Annals of Botany, 2021, 128, 115-125.	2.9	7
28	The modular network structure of the mutational landscape of Acute Myeloid Leukemia. PLoS ONE, 2018, 13, e0202926.	2.5	5
29	Deciphering Genomic Heterogeneity and the Internal Composition of Tumour Activities through a Hierarchical Factorisation Model. Mathematics, 2021, 9, 2833.	2.2	0