

# Antonio Rausell

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4709240/publications.pdf>

Version: 2024-02-01

32  
papers

2,405  
citations

394421

19  
h-index

414414

32  
g-index

40  
all docs

40  
docs citations

40  
times ranked

5375  
citing authors

#	ARTICLE	IF	CITATIONS
1	Immune-responsive gene 1 protein links metabolism to immunity by catalyzing itaconic acid production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7820-7825.	7.1	765
2	The Ras protein superfamily: Evolutionary tree and role of conserved amino acids. <i>Journal of Cell Biology</i> , 2012, 196, 189-201.	5.2	321
3	Distinctive roles of age, sex, and genetics in shaping transcriptional variation of human immune responses to microbial challenges. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E488-E497.	7.1	181
4	Protein interactions and ligand binding: From protein subfamilies to functional specificity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 1995-2000.	7.1	132
5	The translation initiation factor eIF1A is an important determinant in the tolerance to NaCl stress in yeast and plants. <i>Plant Journal</i> , 2003, 34, 257-267.	5.7	111
6	HIV-1 immune activation induces Siglec-1 expression and enhances viral trans-infection in blood and tissue myeloid cells. <i>Retrovirology</i> , 2015, 12, 37.	2.0	85
7	Identification of potential HIV restriction factors by combining evolutionary genomic signatures with functional analyses. <i>Retrovirology</i> , 2015, 12, 41.	2.0	78
8	Gene signature extraction and cell identity recognition at the single-cell level with Cell-ID. <i>Nature Biotechnology</i> , 2021, 39, 1095-1102.	17.5	75
9	The SIB Swiss Institute of Bioinformatics's™ resources: focus on curated databases. <i>Nucleic Acids Research</i> , 2016, 44, D27-D37.	14.5	64
10	<i>Sincell</i> : an R/Bioconductor package for statistical assessment of cell-state hierarchies from single-cell RNA-seq. <i>Bioinformatics</i> , 2015, 31, 3380-3382.	4.1	61
11	Phylogeny-independent detection of functional residues. <i>Bioinformatics</i> , 2006, 22, 1440-1448.	4.1	60
12	Hippocampal Extracellular Matrix Levels and Stochasticity in Synaptic Protein Expression Increase with Age and Are Associated with Age-dependent Cognitive Decline. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 2975-2985.	3.8	52
13	NCBoost classifies pathogenic non-coding variants in Mendelian diseases through supervised learning on purifying selection signals in humans. <i>Genome Biology</i> , 2019, 20, 32.	8.8	47
14	Single-cell analysis identifies cellular markers of the HIV permissive cell. <i>PLoS Pathogens</i> , 2017, 13, e1006678.	4.7	44
15	Transcriptional dissection of pancreatic tumors engrafted in mice. <i>Genome Medicine</i> , 2014, 6, 27.	8.2	41
16	The Characteristics of Heterozygous Protein Truncating Variants in the Human Genome. <i>PLoS Computational Biology</i> , 2015, 11, e1004647.	3.2	34
17	Primary immunodeficiencies suggest redundancy within the human immune system. <i>Science Immunology</i> , 2016, 1, .	11.9	33
18	Analysis of Stop-Gain and Frameshift Variants in Human Innate Immunity Genes. <i>PLoS Computational Biology</i> , 2014, 10, e1003757.	3.2	32

#	ARTICLE	IF	CITATIONS
19	Genomics of host-pathogen interactions. <i>Current Opinion in Immunology</i> , 2014, 30, 32-38.	5.5	30
20	JDet: interactive calculation and visualization of function-related conservation patterns in multiple sequence alignments and structures. <i>Bioinformatics</i> , 2012, 28, 584-586.	4.1	20
21	Common homozygosity for predicted loss-of-function variants reveals both redundant and advantageous effects of dispensable human genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 13626-13636.	7.1	18
22	Innate immune defects in HIV permissive cell lines. <i>Retrovirology</i> , 2016, 13, 43.	2.0	17
23	Generation of adult human T-cell progenitors for immunotherapeutic applications. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 1491-1494.e4.	2.9	15
24	What do primary immunodeficiencies tell us about the essentiality/redundancy of immune responses?. <i>Seminars in Immunology</i> , 2018, 36, 13-16.	5.6	14
25	CNVxplorer: a web tool to assist clinical interpretation of CNVs in rare disease patients. <i>Nucleic Acids Research</i> , 2021, 49, W93-W103.	14.5	14
26	Evolutionary genomics and HIV restriction factors. <i>Current Opinion in HIV and AIDS</i> , 2015, 10, 79-83.	3.8	13
27	HIV and innate immunity - a genomics perspective. <i>F1000prime Reports</i> , 2013, 5, 29.	5.9	10
28	Integrative genetic and immune cell analysis of plasma proteins in healthy donors identifies novel associations involving primary immune deficiency genes. <i>Genome Medicine</i> , 2022, 14, 28.	8.2	8
29	FUNCTIONAL GENOMICS OF SALT TOLERANCE: THE YEAST OVEREXPRESSION APPROACH. <i>Acta Horticulturae</i> , 2003, , 31-38.	0.2	6
30	A DL-4- and TNF $\alpha$ -based culture system to generate high numbers of nonmodified or genetically modified immunotherapeutic human T-lymphoid progenitors. <i>Cellular and Molecular Immunology</i> , 2021, 18, 1662-1676.	10.5	6
31	On Different Aspects of Network Analysis in Systems Biology. , 2013, , 181-207.		3
32	Modern genome annotation: the BioSapiens network. , 2008, , 213-238.		2