David Casero

List of Publications by Year in descending order

79 papers	8,165 citations	76326 40 h-index	110387 64 g-index
82 all docs	82 docs citations	82 times ranked	12729 citing authors

#	Article	IF	Citations
1	Integrative analysis reveals multiple modes of LXR transcriptional regulation in liver. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	11
2	Development of a Personalized Intestinal Fibrosis Model Using Human Intestinal Organoids Derived From Induced Pluripotent Stem Cells. Inflammatory Bowel Diseases, 2022, 28, 667-679.	1.9	9
3	Altered Intestinal ACE2 Levels Are Associated With Inflammation, Severe Disease, and Response to Anti-Cytokine Therapy in Inflammatory Bowel Disease. Gastroenterology, 2021, 160, 809-822.e7.	1.3	45
4	677 RELATING INDIVIDUAL HUMAN INTESTINAL MICROBIAL COMMUNITY STATES BY ECOLOGIC SUCCESSION. Gastroenterology, 2021, 160, S-133.	1.3	0
5	Focused CRISPR-Cas9 genetic screening reveals USO1 as a vulnerability in B-cell acute lymphoblastic leukemia. Scientific Reports, 2021, 11, 13158.	3.3	10
6	Transcriptional regulation of N6-methyladenosine orchestrates sex-dimorphic metabolic traits. Nature Metabolism, 2021, 3, 940-953.	11.9	24
7	The Metabolic Landscape of Thymic T Cell Development In Vivo and In Vitro. Frontiers in Immunology, 2021, 12, 716661.	4.8	13
8	Reporting guidelines for human microbiome research: the STORMS checklist. Nature Medicine, 2021, 27, 1885-1892.	30.7	170
9	Proximal colonâ€“derived O-glycosylated mucus encapsulates and modulates the microbiota. Science, 2020, 370, 467-472.	12.6	122
10	Human pediatric B-cell acute lymphoblastic leukemias can be classified as B-1 or B-2-like based on a minimal transcriptional signature. Experimental Hematology, 2020, 90, 65-71.e1.	0.4	7
11	InÂVitro Recapitulation of Murine Thymopoiesis from Single Hematopoietic Stem Cells. Cell Reports, 2020, 33, 108320.	6.4	20
12	Epithelial Membrane Protein 2 (EMP2) Promotes VEGF-Induced Pathological Neovascularization in Murine Oxygen-Induced Retinopathy. , 2020, 61, 3.		16
13	Pleiotropic Roles of VEGF in the Microenvironment of the Developing Thymus. Journal of Immunology, 2020, 205, 2423-2436.	0.8	2
14	Su1988 ENVIRONMENTAL EFFECT OF RESOLVED HUMAN CMV INFECTION AND NK RECEPTOR GENETICS IN PEDIATRIC CROHN'S DISEASE SUSCEPTIBILITY AND PHENOTYPE.. Gastroenterology, 2020, 158, S-735.	1.3	0
15	3040 â€“ IN VITRO RECAPITULATION OF MURINE T CELL DEVELOPMENT FROM SINGLE HEMATOPOIETIC STEM CELLS. Experimental Hematology, 2020, 88, S51.	0.4	0
16	Plasma Cells Are Obligate Effectors of Enhanced Myelopoiesis in Aging Bone Marrow. Immunity, 2019, 51, 351-366.e6.	14.3	76
17	Multi-omics of the gut microbial ecosystem in inflammatory bowel diseases. Nature, 2019, 569, 655-662.	27.8	1,638
18	The Placental Transcriptome in Late Gestational Hypoxia Resulting in Murine Intrauterine Growth Restriction Parallels Increased Risk of Adult Cardiometabolic Disease. Scientific Reports, 2019, 9, 1243.	3.3	13

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19	Lymphoid-Biased Hematopoietic Stem Cells Are Maintained with Age and Efficiently Generate Lymphoid Progeny. Stem Cell Reports, 2019, 12, 584-596.	4.8	45
20	Organoid-Induced Differentiation of Conventional T Cells from Human Pluripotent Stem Cells. Cell Stem Cell, 2019, 24, 376-389.e8.	11.1	142
21	A screen of Crohn's disease-associated microbial metabolites identifies ascorbate as a novel metabolic inhibitor of activated human T cells. Mucosal Immunology, 2019, 12, 457-467.	6.0	44
22	Differential Expression of PU.1 and Key T Lineage Transcription Factors Distinguishes Fetal and Adult T Cell Development. Journal of Immunology, 2018, 200, 2046-2056.	0.8	11
23	Transcriptional regulation of macrophage cholesterol efflux and atherogenesis by a long noncoding RNA. Nature Medicine, 2018, 24, 304-312.	30.7	171
24	Transcriptionally and Functionally Distinct Mesenchymal Subpopulations Are Generated from Human Pluripotent Stem Cells. Stem Cell Reports, 2018, 10, 436-446.	4.8	19
25	Notch Signaling Regulates the Differentiation of CLEC9A+ Dendritic Cells (cDC1) From Human and Mouse Hematopoietic Stem/Progenitor Cells. Experimental Hematology, 2018, 64, S102.	0.4	0
26	1100 - Dynamics of the Microbial Metaproteome in Inflammatory Bowel Disease. Gastroenterology, 2018, 154, S-217.	1.3	0
27	Directed Differentiation of Conventional T Cells From Human Pluripotent Stem Cells in an Artificial Organoid System. Experimental Hematology, 2018, 64, S51.	0.4	0
28	VEGF Affects Postnatal Thymic Development Through Distinct Receptor Pathways. Experimental Hematology, 2018, 64, S57.	0.4	0
29	The T-ALL related gene BCL11B regulates the initial stages of human T-cell differentiation. Leukemia, 2017, 31, 2503-2514.	7.2	55
30	Epithelial membrane protein 2 (<scp>EMP2</scp>) deficiency alters placental angiogenesis, mimicking features of human placental insufficiency. Journal of Pathology, 2017, 242, 246-259.	4.5	25
31	Does IGF2BP1 (insulin like growth factor 2 binding protein 1) drive ETV6-RUNX1 positive B-acute lymphoblastic leukemia?. European Journal of Cancer, 2017, 72, S99.	2.8	0
32	The lncRNA CASC15 regulates SOX4 expression in RUNX1-rearranged acute leukemia. Molecular Cancer, 2017, 16, 126.	19.2	108
33	Space-type radiation induces multimodal responses in the mouse gut microbiome and metabolome. Microbiome, 2017, 5, 105.	11.1	81
34	Genetic Tagging During Human Mesoderm Differentiation Reveals Tripotent Lateral Plate Mesodermal Progenitors. Stem Cells, 2016, 34, 1239-1250.	3.2	10
35	565 Upregulation of Gut Bitter Taste Receptor Subtypes, T2R138 and T2R16, in High Fat Diet-Induced Obesity Is Reversed Following Antibiotic Treatment. Gastroenterology, 2016, 150, S119-S120.	1.3	0
36	Feedback modulation of cholesterol metabolism by the lipid-responsive non-coding RNA LeXis. Nature, 2016, 534, 124-128.	27.8	175

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37	Distinct Genetic Networks Orchestrate the Emergence of Specific Waves of Fetal and Adult B-1 and B-2 Development. Immunity, 2016, 45, 527-539.	14.3	64
38	Genetic Subtypes of Human Pediatric ALLs Show Gene Expression Differences That Parallel Those Observed in Mouse B1 and B2 Progenitors, Suggesting Divergent Developmental Origins. Blood, 2016, 128, 1741-1741.	1.4	0
39	Molecular Characterization of Long Non-Coding RNA CASC15 in Leukemogenesis. Blood, 2016, 128, 5103-5103.	1.4	0
40	BCL11B Is a Key Regulator of T-Lineage Differentiation during the Initial Stages of Human Thymopoiesis. Blood, 2016, 128, 2657-2657.	1.4	0
41	3203 Deletion of p53 in hematopoietic progenitors leads to Notch1 dependent T-Acute Lymphoblastic Leukemia. European Journal of Cancer, 2015, 51, S649-S650.	2.8	0
42	Convergent BCL6 and lncRNA promoters demarcate the major breakpoint region for BCL6 translocations. Blood, 2015, 126, 1730-1731.	1.4	22
43	The Expansion of Thymopoiesis in Neonatal Mice Is Dependent on Expression of High Mobility Group A 2 Protein (Hmga2). PLoS ONE, 2015, 10, e0125414.	2.5	5
44	Limiting Cholesterol Biosynthetic Flux Spontaneously Engages Type I IFN Signaling. Cell, 2015, 163, 1716-1729.	28.9	322
45	LncRNA Expression Discriminates Karyotype and Predicts Survival in B-Lymphoblastic Leukemia. Molecular Cancer Research, 2015, 13, 839-851.	3.4	81
46	Long non-coding RNA profiling of human lymphoid progenitor cells reveals transcriptional divergence of B cell and T cell lineages. Nature Immunology, 2015, 16, 1282-1291.	14.5	178
47	MicroRNA-146a modulates B-cell oncogenesis by regulating Egr1. Oncotarget, 2015, 6, 11023-11037.	1.8	39
48	Identification of Novel Mir-34a Targets in a c-Myc Murine Model. Blood, 2015, 126, 4826-4826.	1.4	0
49	The Path to Triacylglyceride Obesity in the sta6 Strain of Chlamydomonas reinhardtii. Eukaryotic Cell, 2014, 13, 591-613.	3.4	143
50	Conditional Depletion of the Chlamydomonas Chloroplast ClpP Protease Activates Nuclear Genes Involved in Autophagy and Plastid Protein Quality Control. Plant Cell, 2014, 26, 2201-2222.	6.6	122
51	Nitrogen-Sparing Mechanisms in Chlamydomonas Affect the Transcriptome, the Proteome, and Photosynthetic Metabolism. Plant Cell, 2014, 26, 1410-1435.	6.6	314
52	Phosphoprotein SAK1 is a regulator of acclimation to singlet oxygen in Chlamydomonas reinhardtii. ELife, 2014, 3, e02286.	6.0	45
53	Systems-Level Analysis of Nitrogen Starvation-Induced Modifications of Carbon Metabolism in a Chlamydomonas reinhardtii Starchless Mutant. Plant Cell, 2013, 25, 4305-4323.	6.6	176
54	Remodeling of Membrane Lipids in Iron-starved Chlamydomonas. Journal of Biological Chemistry, 2013, 288, 30246-30258.	3.4	77

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55	Insights into the mechanism of cell death induced by saporin delivered into cancer cells by an antibody fusion protein targeting the transferrin receptor 1. Toxicology in Vitro, 2013, 27, 220-231.	2.4	32
56	COPPER RESPONSE REGULATOR1â€“Dependent and â€“Independent Responses of the Chlamydomonas reinhardtii Transcriptome to Dark Anoxia. Plant Cell, 2013, 25, 3186-3211.	6.6	77
57	The Proteome of Copper, Iron, Zinc, and Manganese Micronutrient Deficiency in Chlamydomonas reinhardtii. Molecular and Cellular Proteomics, 2013, 12, 65-86.	3.8	85
58	Retrograde bilin signaling enables Chlamydomonas greening and phototrophic survival. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3621-3626.	7.1	107
59	Hypoxic survival requires a 2-on-2 hemoglobin in a process involving nitric oxide. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10854-10859.	7.1	63
60	Zinc Deficiency Impacts CO2 Assimilation and Disrupts Copper Homeostasis in Chlamydomonas reinhardtii. Journal of Biological Chemistry, 2013, 288, 10672-10683.	3.4	72
61	A large-scale zebrafish gene knockout resource for the genome-wide study of gene function. Genome Research, 2013, 23, 727-735.	5.5	105
62	Impact of Oxidative Stress on Ascorbate Biosynthesis in Chlamydomonas via Regulation of the VTC2 Gene Encoding a GDP-l-galactose Phosphorylase. Journal of Biological Chemistry, 2012, 287, 14234-14245.	3.4	93
63	SINGLET OXYGEN RESISTANT 1 links reactive electrophile signaling to singlet oxygen acclimation in Chlamydomonas reinhardtii. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1302-11.	7.1	95
64	Activation of the Carbon Concentrating Mechanism by CO₂ Deprivation Coincides with Massive Transcriptional Restructuring in Chlamydomonas reinhardtii. Plant Cell, 2012, 24, 1860-1875.	6.6	121
65	Systems and Trans-System Level Analysis Identifies Conserved Iron Deficiency Responses in the Plant Lineage. Plant Cell, 2012, 24, 3921-3948.	6.6	142
66	Transcriptome Sequencing Identifies SPL7-Regulated Copper Acquisition Genes FRO4/FRO5 and the Copper Dependence of Iron Homeostasis in Arabidopsis. Plant Cell, 2012, 24, 738-761.	6.6	286
67	Transcriptome-Wide Changes in Chlamydomonas reinhardtii Gene Expression Regulated by Carbon Dioxide and the CO₂-Concentrating Mechanism Regulator CIA5/CCM1. Plant Cell, 2012, 24, 1876-1893.	6.6	180
68	Three Acyltransferases and Nitrogen-responsive Regulator Are Implicated in Nitrogen Starvation-induced Triacylglycerol Accumulation in Chlamydomonas. Journal of Biological Chemistry, 2012, 287, 15811-15825.	3.4	379
69	Lethal iron deprivation induced by non-neutralizing antibodies targeting transferrin receptor 1 in malignant B cells. Leukemia and Lymphoma, 2011, 52, 2169-2178.	1.3	20
70	A revised mineral nutrient supplement increases biomass and growth rate in Chlamydomonas reinhardtii. Plant Journal, 2011, 66, 770-780.	5.7	282
71	Algal Functional Annotation Tool: a web-based analysis suite to functionally interpret large gene lists using integrated annotation and expression data. BMC Bioinformatics, 2011, 12, 282.	2.6	84
72	Systems Biology Approach in Chlamydomonas Reveals Connections between Copper Nutrition and Multiple Metabolic Steps Â Â. Plant Cell, 2011, 23, 1273-1292.	6.6	204

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73	RNA-Seq Analysis of Sulfur-Deprived Chlamydomonas Cells Reveals Aspects of Acclimation Critical for Cell Survival. Plant Cell, 2010, 22, 2058-2084.	6.6	253
74	Evolution of an Expanded Sex-Determining Locus in Volvox. Science, 2010, 328, 351-354.	12.6	159
75	Relationship between nucleosome positioning and DNA methylation. Nature, 2010, 466, 388-392.	27.8	625
76	Fractal analysis and tumour growth. Mathematical and Computer Modelling, 2008, 47, 546-559.	2.0	22
77	Position-dependent expression of GADD45Î± in rat brain tumours. Medical Oncology, 2007, 24, 436-444.	2.5	3
78	The effect of pressure on the growth of tumour cell colonies. Journal of Theoretical Biology, 2006, 243, 171-180.	1.7	18
79	Anomalous scaling of multivalued interfaces. Europhysics Letters, 2003, 64, 620-626.	2.0	7