

# Emilio Casanova

## List of Publications by Year in descending order

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73  
papers

4,837  
citations

172457

29  
h-index

95266

68  
g-index

76  
all docs

76  
docs citations

76  
times ranked

8443  
citing authors

#	ARTICLE	IF	CITATIONS
1	CB1 Cannabinoid Receptors and On-Demand Defense Against Excitotoxicity. <i>Science</i> , 2003, 302, 84-88.	12.6	1,083
2	Skeletal Muscle-Specific Ablation of raptor, but Not of rictor, Causes Metabolic Changes and Results in Muscle Dystrophy. <i>Cell Metabolism</i> , 2008, 8, 411-424.	16.2	557
3	Heme Oxygenase-1 Drives Metaflammation and Insulin Resistance in Mouse and Man. <i>Cell</i> , 2014, 158, 25-40.	28.9	243
4	Genetic Inactivation of the Transcription Factor TIF-IA Leads to Nucleolar Disruption, Cell Cycle Arrest, and p53-Mediated Apoptosis. <i>Molecular Cell</i> , 2005, 19, 77-87.	9.7	230
5	Inducible site-specific recombination in the brain 1 Edited by M. Yaniv. <i>Journal of Molecular Biology</i> , 1999, 285, 175-182.	4.2	206
6	A novel Ncr1-Cre mouse reveals the essential role of STAT5 for NK-cell survival and development. <i>Blood</i> , 2011, 117, 1565-1573.	1.4	193
7	Stat3 Is a Negative Regulator of Intestinal Tumor Progression in ApcMin Mice. <i>Gastroenterology</i> , 2010, 138, 1003-1011.e5.	1.3	139
8	Aggressive B-cell lymphomas in patients with myelofibrosis receiving JAK1/2 inhibitor therapy. <i>Blood</i> , 2018, 132, 694-706.	1.4	132
9	Neuronal migration in the murine rostral migratory stream requires serum response factor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 6148-6153.	7.1	131
10	Disruption of STAT3 signalling promotes KRAS-induced lung tumorigenesis. <i>Nature Communications</i> , 2015, 6, 6285.	12.8	124
11	Impairment of hepatic growth hormone and glucocorticoid receptor signaling causes steatosis and hepatocellular carcinoma in mice. <i>Hepatology</i> , 2011, 54, 1398-1409.	7.3	100
12	Afatinib restrains K-RAS-driven lung tumorigenesis. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	99
13	NMDA receptor-dependent GABA <sub>B</sub> receptor internalization via CaMKII phosphorylation of serine 867 in GABA <sub>B1</sub> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13924-13929.	7.1	98
14	Targeting KRAS Mutant Non-Small-Cell Lung Cancer: Past, Present and Future. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4325.	4.1	84
15	ER-based double icre fusion protein allows partial recombination in forebrain. <i>Genesis</i> , 2002, 34, 208-214.	1.6	81
16	Signal Transducer and Activator of Transcription 3 Protects From Liver Injury and Fibrosis in a Mouse Model of Sclerosing Cholangitis. <i>Gastroenterology</i> , 2010, 138, 2499-2508.	1.3	71
17	Expression of Cre recombinase in dopaminergic neurons. <i>BMC Neuroscience</i> , 2007, 8, 4.	1.9	68
18	No evidence for a bone phenotype in GPRC6A knockout mice under normal physiological conditions. <i>Journal of Molecular Endocrinology</i> , 2009, 42, 215-223.	2.5	63

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19	MTHFD1 interaction with BRD4 links folate metabolism to transcriptional regulation. <i>Nature Genetics</i> , 2019, 51, 990-998.	21.4	61
20	STAT3: Versatile Functions in Non-Small Cell Lung Cancer. <i>Cancers</i> , 2020, 12, 1107.	3.7	60
21	JAK-STAT signaling in hepatic fibrosis. <i>Frontiers in Bioscience - Landmark</i> , 2011, 16, 2794.	3.0	56
22	JAK-STAT inhibition impairs KRAS-driven lung adenocarcinoma progression. <i>International Journal of Cancer</i> , 2019, 145, 3376-3388.	5.1	54
23	Floxed allele for conditional inactivation of the GABAB(1) gene. <i>Genesis</i> , 2004, 40, 125-130.	1.6	52
24	Disruption of the growth hormone-Signal transducer and activator of transcription 5-Insulinlike growth factor 1 axis severely aggravates liver fibrosis in a mouse model of cholestasis. <i>Hepatology</i> , 2010, 51, 1319-1326.	7.3	48
25	When reverse genetics meets physiology: the use of site-specific recombinases in mice. <i>FEBS Letters</i> , 2002, 529, 116-121.	2.8	46
26	Heterologous protein production using euchromatin-containing expression vectors in mammalian cells. <i>Nucleic Acids Research</i> , 2015, 43, e102-e102.	14.5	46
27	± Complementation in the Cre recombinase enzyme. <i>Genesis</i> , 2003, 37, 25-29.	1.6	42
28	ETV6/RUNX1 Induces Reactive Oxygen Species and Drives the Accumulation of DNA Damage in B Cells. <i>Neoplasia</i> , 2013, 15, 1292-IN28.	5.3	39
29	Molecular Cloning of $\beta$ -Adrenergic Receptor and Tissue Distribution of Three $\beta$ -Adrenergic Receptor Subtypes in Mouse. <i>Journal of Neurochemistry</i> , 1995, 65, 2387-2392.	3.9	35
30	Loss of GABAB Receptors in Cochlear Neurons: Threshold Elevation Suggests Modulation of Outer Hair Cell Function by Type II Afferent Fibers. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2009, 10, 50-63.	1.8	30
31	The Transcription Factor ZNF683/HOBIT Regulates Human NK-Cell Development. <i>Frontiers in Immunology</i> , 2017, 8, 535.	4.8	30
32	STAT1 is a sex-specific tumor suppressor in colitis-associated colorectal cancer. <i>Molecular Oncology</i> , 2018, 12, 514-528.	4.6	29
33	Growth hormone resistance exacerbates cholestasis-induced murine liver fibrosis. <i>Hepatology</i> , 2015, 61, 613-626.	7.3	27
34	Notch inhibition overcomes resistance to tyrosine kinase inhibitors in EGFR-driven lung adenocarcinoma. <i>Journal of Clinical Investigation</i> , 2019, 130, 612-624.	8.2	27
35	Bacterial artificial chromosomes improve recombinant protein production in mammalian cells. <i>BMC Biotechnology</i> , 2009, 9, 3.	3.3	26
36	IDO1+ Paneth cells promote immune escape of colorectal cancer. <i>Communications Biology</i> , 2020, 3, 252.	4.4	26

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37	Generation of a conditional allele of the CBP gene in mouse. <i>Genesis</i> , 2004, 40, 82-89.	1.6	24
38	Myeloid <i>STAT3</i> promotes formation of colitis-associated colorectal cancer in mice. <i>Oncology</i> , 2015, 4, e998529.	4.6	24
39	Genetically modified mouse models of cancer invasion and metastasis. <i>Drug Discovery Today: Disease Models</i> , 2011, 8, 67-74.	1.2	23
40	Exploration of BAC versus plasmid expression vectors in recombinant CHO cells. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 4049-4054.	3.6	22
41	Epidermal growth factor signaling protects from cholestatic liver injury and fibrosis. <i>Journal of Molecular Medicine</i> , 2017, 95, 109-117.	3.9	21
42	Recent advances in recombinant protein production. <i>Bioengineered</i> , 2013, 4, 258-261.	3.2	20
43	<i>STAT3</i> <sup>Δ2</sup> is a tumor suppressor in acute myeloid leukemia. <i>Blood Advances</i> , 2019, 3, 1989-2002.	5.2	20
44	Identification of a cyclic adenosine 3',5'-monophosphate-dependent protein kinase phosphorylation site in the carboxy terminal tail of human D1 dopamine receptor. <i>Neuroscience Letters</i> , 1995, 188, 183-186.	2.1	19
45	Maintenance therapy with histamine plus IL-2 induces a striking expansion of two CD56 <sup>bright</sup> NK cell subpopulations in patients with acute myeloid leukemia and supports their activation. <i>Oncotarget</i> , 2016, 7, 46466-46481.	1.8	19
46	Non-blocking modulation contributes to sodium channel inhibition by a covalently attached photoreactive riluzole analog. <i>Scientific Reports</i> , 2018, 8, 8110.	3.3	16
47	Identification of four splice variants of the mouse stress-activated protein kinase JNK/SAPK $\delta$ -isoform. <i>NeuroReport</i> , 1996, 7, 1320-1324.	1.2	15
48	A Probasin <sup>Cre</sup> BAC allows inducible recombination in the mouse prostate. <i>Genesis</i> , 2009, 47, 757-764.	1.6	15
49	A mouse model to identify cooperating signaling pathways in cancer. <i>Nature Methods</i> , 2012, 9, 897-900.	19.0	15
50	Lactotransferrin-Cre reporter mice trace neutrophils, monocytes/macrophages and distinct subtypes of dendritic cells. <i>Haematologica</i> , 2014, 99, 1006-1015.	3.5	15
51	A mouse model for visualization of GABA <sub>B</sub> receptors. <i>Genesis</i> , 2009, 47, 595-602.	1.6	13
52	<i>AKT3</i> drives adenoid cystic carcinoma development in salivary glands. <i>Cancer Medicine</i> , 2018, 7, 445-453.	2.8	13
53	The glucocorticoid receptor associates with RAS complexes to inhibit cell proliferation and tumor growth. <i>Science Signaling</i> , 2022, 15, eabm4452.	3.6	11
54	Down-regulation of A20 promotes immune escape of lung adenocarcinomas. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	10

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55	The Use of Bacterial Artificial Chromosomes for Recombinant Protein Production in Mammalian Cell Lines. <i>Methods in Molecular Biology</i> , 2012, 824, 581-593.	0.9	9
56	Differential effect of chronic ethanol treatment on barbiturate and steroid modulation of muscimol-binding to rat brain cortex. <i>Neuroscience Letters</i> , 1993, 158, 83-86.	2.1	8
57	Î±C31-mediated cassette exchange into a bacterial artificial chromosome. <i>BioTechniques</i> , 2007, 43, 659-664.	1.8	7
58	Powerful expression in Chinese Hamster Ovary cells using bacterial artificial chromosomes: parameters influencing productivity. <i>BMC Proceedings</i> , 2013, 7, .	1.6	7
59	Efficient production of recombinant secretory IgA against <i>Clostridium difficile</i> toxins in CHO-K1 cells. <i>Journal of Biotechnology</i> , 2021, 331, 1-13.	3.8	7
60	Modeling Cancer Using Genetically Engineered Mice. <i>Methods in Molecular Biology</i> , 2015, 1267, 3-18.	0.9	7
61	Immunodetection of serotonin transporter from mouse brain. <i>NeuroReport</i> , 1995, 6, 2353-2356.	1.2	6
62	A mouse tool for conditional mutagenesis in ovarian granulosa cells. <i>Genesis</i> , 2010, 48, 612-617.	1.6	5
63	Validation of an enzyme-linked immunosorbent assay (ELISA) for quantification of endostatin levels in mice as a biomarker of developing glomerulonephritis. <i>PLoS ONE</i> , 2019, 14, e0220935.	2.5	5
64	Orthotopic Transplantation of Syngeneic Lung Adenocarcinoma Cells to Study PD-L1 Expression. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	4
65	Cloning of chicken and mouse Î±1b adrenergic receptor. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1998, 1396, 263-266.	2.4	3
66	Unexpected oncosuppressive role for STAT3 in KRAS-induced lung tumorigenesis. <i>Molecular and Cellular Oncology</i> , 2016, 3, e1036199.	0.7	3
67	A Mouse Model to Assess STAT3 and STAT5A/B Combined Inhibition in Health and Disease Conditions. <i>Cancers</i> , 2019, 11, 1226.	3.7	3
68	Discovery of the cyclotide caripe 11 as a ligand of the cholecystokinin-2 receptor. <i>Scientific Reports</i> , 2022, 12, .	3.3	3
69	Phosphorylation of the Third Intracellular Loop of the Mouse Î±1b -Adrenergic Receptor by cAMP-dependent Protein Kinase. <i>Brain Research Bulletin</i> , 1997, 42, 427-430.	3.0	2
70	Analysis of splicing of four mouse JNK/SAPKÎ± variants. <i>NeuroReport</i> , 2000, 11, 305-309.	1.2	2
71	Construction of a conditional allele of RSK-B/MSK2 in the mouse. <i>Genesis</i> , 2002, 32, 158-160.	1.6	2
72	Breaking bad family ties: Pan-ERBB blockers inhibit KRAS driven lung tumorigenesis. <i>Molecular and Cellular Oncology</i> , 2018, 5, e1513724.	0.7	2

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73	Characterization of the promoter of the mouse c-Jun NH2-terminal/stress-activated protein kinase alpha gene. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2004, 1681, 47-52.	2.4	1