Eduard Batlle

List of Publications by Year
in descending order

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81	21,218	41344	62596
papers	citations	49 h-index	80 g-index

86	86	86	28629
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The transcription factor Snail is a repressor of E-cadherin gene expression in epithelial tumour cells. Nature Cell Biology, 2000, 2, 84-89.	10.3	2,355
2	The Î²-Catenin/TCF-4 Complex Imposes a Crypt Progenitor Phenotype on Colorectal Cancer Cells. Cell, 2002, 111, 241-250.	28.9	1,897
3	Cancer stem cells revisited. Nature Medicine, 2017, 23, 1124-1134.	30.7	1,895
4	Transforming Growth Factor-Î² Signaling in Immunity and Cancer. Immunity, 2019, 50, 924-940.	14.3	1,360
5	TGFÎ² drives immune evasion in genetically reconstituted colon cancer metastasis. Nature, 2018, 554, 538-543.	27.8	1,296
6	Î²-Catenin and TCF Mediate Cell Positioning in the Intestinal Epithelium by Controlling the Expression of EphB/EphrinB. Cell, 2002, 111, 251-263.	28.9	1,039
7	Dependency of Colorectal Cancer on a TGF-Î²-Driven Program in Stromal Cells for Metastasis Initiation. Cancer Cell, 2012, 22, 571-584.	16.8	881
8	Stromal gene expression defines poor-prognosis subtypes in colorectal cancer. Nature Genetics, 2015, 47, 320-329.	21.4	858
9	The Intestinal Stem Cell Signature Identifies Colorectal Cancer Stem Cells and Predicts Disease Relapse. Cell Stem Cell, 2011, 8, 511-524.	11.1	811
10	Loss of Apc in vivo immediately perturbs Wnt signaling, differentiation, and migration. Genes and Development, 2004, 18, 1385-1390.	5.9	700
11	Isolation and in vitro expansion of human colonic stem cells. Nature Medicine, 2011, 17, 1225-1227.	30.7	616
12	Metastatic Stem Cells: Sources, Niches, and Vital Pathways. Cell Stem Cell, 2014, 14, 306-321.	11.1	591
13	Complete Polarization of Single Intestinal Epithelial Cells upon Activation of LKB1 by STRAD. Cell, 2004, 116, 457-466.	28.9	482
14	SIGNALING PATHWAYS IN INTESTINAL DEVELOPMENT AND CANCER. Annual Review of Cell and Developmental Biology, 2004, 20, 695-723.	9.4	453
15	Snail Induction of Epithelial to Mesenchymal Transition in Tumor Cells Is Accompanied by MUC1 Repression andZEB1 Expression. Journal of Biological Chemistry, 2002, 277, 39209-39216.	3.4	407
16	EphB receptor activity suppresses colorectal cancer progression. Nature, 2005, 435, 1126-1130.	27.8	375
17	Role of tRNA modifications in human diseases. Trends in Molecular Medicine, 2014, 20, 306-314.	6.7	321
18	Benchmarking single-cell RNA-sequencing protocols for cell atlas projects. Nature Biotechnology, 2020, 38, 747-755.	17.5	313

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19	The circadian molecular clock creates epidermal stem cell heterogeneity. Nature, 2011, 480, 209-214.	27.8	273
20	TGF-beta in CAF-mediated tumor growth and metastasis. Seminars in Cancer Biology, 2014, 25, 15-22.	9.6	268
21	EphBâ€“ephrin-B interactions suppress colorectal cancer progression by compartmentalizing tumor cells. Nature Genetics, 2007, 39, 1376-1383.	21.4	242
22	Live and let die in the intestinal epithelium. Current Opinion in Cell Biology, 2003, 15, 763-770.	5.4	195
23	Determinants of metastatic competency in colorectal cancer. Molecular Oncology, 2017, 11, 97-119.	4.6	180
24	Intestinal Stem Cells in Mammals and Drosophila. Cell Stem Cell, 2009, 4, 124-127.	11.1	163
25	Molecular Mechanisms of Cell Segregation and Boundary Formation in Development and Tumorigenesis. Cold Spring Harbor Perspectives in Biology, 2012, 4, a008227-a008227.	5.5	161
26	Mex3a Marks a Slowly Dividing Subpopulation of Lgr5+ Intestinal Stem Cells. Cell Stem Cell, 2017, 20, 801-816.e7.	11.1	158
27	Alterations in the epithelial stem cell compartment could contribute to permanent changes in the mucosa of patients with ulcerative colitis. Gut, 2017, 66, 2069-2079.	12.1	158
28	Cleavage of E-cadherin by ADAM10 mediates epithelial cell sorting downstream of EphB signalling. Nature Cell Biology, 2011, 13, 1100-1107.	10.3	147
29	EphB/EphrinB Receptors and Wnt Signaling in Colorectal Cancer. Cancer Research, 2006, 66, 2-5.	0.9	133
30	Ephâ€“ephrin signalling in adult tissues and cancer. Current Opinion in Cell Biology, 2008, 20, 194-200.	5.4	124
31	Overcoming TGFÎ²-mediated immune evasion in cancer. Nature Reviews Cancer, 2022, 22, 25-44.	28.4	122
32	Colon cancer cells colonize the lung from established liver metastases through p38 MAPK signalling andÂPTHLH. Nature Cell Biology, 2014, 16, 685-694.	10.3	117
33	The transcription factor GATA6 enables self-renewal of colon adenoma stem cells by repressing BMP geneÂexpression. Nature Cell Biology, 2014, 16, 695-707.	10.3	115
34	Aâ€toâ€I editing on tRNAs: Biochemical, biological and evolutionary implications. FEBS Letters, 2014, 588, 4279-4286.	2.8	113
35	Mechanical compartmentalization of the intestinal organoid enables crypt folding and collective cell migration. Nature Cell Biology, 2021, 23, 745-757.	10.3	112
36	Differences between CAFs and their paired NCF from adjacent colonic mucosa reveal functional heterogeneity of CAFs, providing prognostic information. Molecular Oncology, 2014, 8, 1290-1305.	4.6	98

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37	A genome editing approach to study cancer stem cells in human tumors. EMBO Molecular Medicine, 2017, 9, 869-879.	6.9	93
38	A single-cell tumor immune atlas for precision oncology. Genome Research, 2021, 31, 1913-1926.	5.5	87
39	Inosine modifications in human tRNAs are incorporated at the precursor tRNA level. Nucleic Acids Research, 2015, 43, 5145-5157.	14.5	83
40	Specific GATA Factors Act as Conserved Inducers of an Endodermal-EMT. Developmental Cell, 2011, 21, 1051-1061.	7.0	81
41	Targeting the Microenvironment in Advanced Colorectal Cancer. Trends in Cancer, 2016, 2, 495-504.	7.4	80
42	Collective cell migration and metastases induced by an epithelial-to-mesenchymal transition in Drosophila intestinal tumors. Nature Communications, 2019, 10, 2311.	12.8	78
43	Self-organized intestinal epithelial monolayers in crypt and villus-like domains show effective barrier function. Scientific Reports, 2019, 9, 10140.	3.3	71
44	A p120-cateninâ€“CK1Îµ complex regulates Wnt signaling. Journal of Cell Science, 2010, 123, 2621-2631.	2.0	67
45	Vitamin D differentially regulates colon stem cells in patientâ€derived normal and tumor organoids. FEBS Journal, 2020, 287, 53-72.	4.7	67
46	Long-lived force patterns and deformation waves at repulsive epithelial boundaries. Nature Materials, 2017, 16, 1029-1037.	27.5	65
47	Circulating IGF-I and IGFBP3 Levels Control Human Colonic Stem Cell Function and Are Disrupted in Diabetic Enteropathy. Cell Stem Cell, 2015, 17, 486-498.	11.1	60
48	Zonation of Ribosomal DNA Transcription Defines a Stem Cell Hierarchy in Colorectal Cancer. Cell Stem Cell, 2020, 26, 845-861.e12.	11.1	59
49	Isolation of Human Colon Stem Cells Using Surface Expression of PTK7. Stem Cell Reports, 2015, 5, 979-987.	4.8	52
50	Understanding the molecular mechanisms driving metastasis. Molecular Oncology, 2017, 11, 3-4.	4.6	52
51	Stromal SOX2 Upregulation Promotes Tumorigenesis through the Generation of a SFRP1/2-Expressing Cancer-Associated Fibroblast Population. Developmental Cell, 2021, 56, 95-110.e10.	7.0	50
52	Protein Kinase C-Î± Activity Inversely Modulates Invasion and Growth of Intestinal Cells. Journal of Biological Chemistry, 1998, 273, 15091-15098.	3.4	47
53	SnapShot: The Intestinal Crypt. Cell, 2013, 152, 1198-1198.e2.	28.9	47
54	Progeny of Lgr5-expressing hair follicle stem cell contributes to papillomavirus-induced tumor development in epidermis. Oncogene, 2013, 32, 3732-3743.	5.9	46

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55	Functional patient-derived organoid screenings identify MCLA-158 as a therapeutic EGFR Ã— LGR5 bispecific antibody with efficacy in epithelial tumors. Nature Cancer, 2022, 3, 418-436.	13.2	46
56	Conserved Mechanisms of Tumorigenesis in the Drosophila Adult Midgut. PLoS ONE, 2014, 9, e88413.	2.5	45
57	The epigenetic regulator Mll1 is required for Wnt-driven intestinal tumorigenesis and cancer stemness. Nature Communications, 2020, 11, 6422.	12.8	38
58	Mex3a marks drug-tolerant persister colorectal cancer cells that mediate relapse after chemotherapy. Nature Cancer, 2022, 3, 1052-1070.	13.2	36
59	ERK1/2 Signaling Induces Upregulation of ANGPT2 and CXCR4 to Mediate Liver Metastasis in Colon Cancer. Cancer Research, 2020, 80, 4668-4680.	0.9	35
60	Control of cell adhesion and compartmentalization in the intestinal epithelium. Experimental Cell Research, 2011, 317, 2695-2701.	2.6	33
61	Epithelial IL-1R2 acts as a homeostatic regulator during remission of ulcerative colitis. Mucosal Immunology, 2016, 9, 950-959.	6.0	29
62	Somatic Ephrin Receptor Mutations Are Associated with Metastasis in Primary Colorectal Cancer. Cancer Research, 2017, 77, 1730-1740.	0.9	29
63	Iro/IRX transcription factors negatively regulate <scp>D</scp>pp/<scp>TGF</scp>â€Î² pathway activity during intestinal tumorigenesis. EMBO Reports, 2014, 15, 1210-1218.	4.5	28
64	Evidence for a role of conventional protein kinase-CÎ± in the control of homotypic contacts and cell scattering of HT-29 human intestinal cells. Biochemical Journal, 1996, 315, 1049-1054.	3.7	24
65	Down-regulation of Rap1 activity is involved in ephrinB1-induced cell contraction. Biochemical Journal, 2005, 389, 465-469.	3.7	18
66	Microbiota-dependent activation of the myeloid calcineurin-NFAT pathway inhibits B7H3- and B7H4-dependent anti-tumor immunity in colorectal cancer. Immunity, 2022, 55, 701-717.e7.	14.3	16
67	Antipeptide antibodies directed against the C-terminus of protein kinase CÎ¶ (PKCÎ¶) react with a Ca2+- and TPA-sensitive PKC in HT-29 human intestinal epithelial cells. FEBS Letters, 1994, 344, 161-165.	2.8	15
68	Mouse model of colorectal cancer: Orthotopic co-implantation of tumor and stroma cells in cecum and rectum. STAR Protocols, 2021, 2, 100297.	1.2	15
69	Overlapping DNA Methylation Dynamics in Mouse Intestinal Cell Differentiation and Early Stages of Malignant Progression. PLoS ONE, 2015, 10, e0123263.	2.5	14
70	Long range epigenetic silencing is a transâ€ŝpecies mechanism that results in cancer specific deregulation by overriding the chromatin domains of normal cells. Molecular Oncology, 2013, 7, 1129-1141.	4.6	13
71	A new identity for the elusive intestinal stem cell. Nature Genetics, 2008, 40, 818-819.	21.4	12
72	TCEN-49, a monoclonal antibody that identifies a central body antigen in the planarian Dugesia (Girardia) tigrina. Implications for pattern formation and positional signalling mechanisms. Hydrobiologia, 1995, 305, 235-240.	2.0	5

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73	Adenomatous polyposis coli protein (APC)-independent regulation of Î²-catenin/Tcf-4 mediated transcription in intestinal cells. Biochemical Journal, 1999, 344, 565.	3.7	5
74	Protocol for Efficient Protein Synthesis Detection by Click Chemistry in Colorectal Cancer Patient-Derived Organoids Grown In Vitro. STAR Protocols, 2020, 1, 100103.	1.2	4
75	Immune translational control by CPEB4 regulates intestinal inflammation resolution and colorectal cancer development. IScience, 2022, 25, 103790.	4.1	4
76	Intercellular Junctions, Apical Differentiation, and Infiltrative Features in Colon Cancer: An Ultrastructural Study. Ultrastructural Pathology, 2001, 25, 289-294.	0.9	3
77	In vitro Self-organized Mouse Small Intestinal Epithelial Monolayer Protocol. Bio-protocol, 2020, 10, e3514.	0.4	3
78	TCAV-1, a monoclonal antibody specific to epithelial pharyngeal cells in the planarian Dugesia (Girardia) tigrina. Application to pattern formation of the pharynx during regeneration. Hydrobiologia, 1995, 305, 263-264.	2.0	2
79	The viral nucleocapsid protein and the human RNA-binding protein Mex3A promote translation of the Andes orthohantavirusÂsmall mRNA. PLoS Pathogens, 2021, 17, e1009931.	4.7	2
80	Editorial overview: Cell cycle, differentiation and disease. Current Opinion in Cell Biology, 2014, 31, v-vi.	5.4	0
81	Immunostaining Protocol: P-Stat3 (Xenograft and Mice). Bio-protocol, 2014, 4, .	0.4	0