CÃ©dric Blanpain

List of Publications by Year
in descending order

115	28,172	10389 72	19749 117
papers	citations	h-index	g-index

126	126	126	33200
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Defining the Epithelial Stem Cell Niche in Skin. Science, 2004, 303, 359-363.	12.6	1,877
2	EMT Transition States during Tumor Progression and Metastasis. Trends in Cell Biology, 2019, 29, 212-226.	7.9	1,764
3	Self-Renewal, Multipotency, and the Existence of Two Cell Populations within an Epithelial Stem Cell Niche. Cell, 2004, 118, 635-648.	28.9	1,300
4	The Metastasis Suppressor Gene KiSS-1 Encodes Kisspeptins, the Natural Ligands of the Orphan G Protein-coupled Receptor GPR54. Journal of Biological Chemistry, 2001, 276, 34631-34636.	3.4	1,283
5	Guidelines and definitions for research on epithelialâ€"mesenchymal transition. Nature Reviews Molecular Cell Biology, 2020, 21, 341-352.	37.0	1,195
6	Identification of the tumour transition states occurring during EMT. Nature, 2018, 556, 463-468.	27.8	1,083
7	Epidermal homeostasis: a balancing act of stem cells in the skin. Nature Reviews Molecular Cell Biology, 2009, 10, 207-217.	37.0	1,076
8	Specific Recruitment of Antigen-presenting Cells by Chemerin, a Novel Processed Ligand from Human Inflammatory Fluids. Journal of Experimental Medicine, 2003, 198, 977-985.	8.5	755
9	Distinct stem cells contribute to mammary gland development and maintenance. Nature, 2011, 479, 189-193.	27.8	733
10	Unravelling cancer stem cell potential. Nature Reviews Cancer, 2013, 13, 727-738.	28.4	723
11	Epidermal Stem Cells of the Skin. Annual Review of Cell and Developmental Biology, 2006, 22, 339-373.	9.4	681
12	Defining the mode of tumour growth by clonal analysis. Nature, 2012, 488, 527-530.	27.8	662
13	Toward understanding and exploiting tumor heterogeneity. Nature Medicine, 2015, 21, 846-853.	30.7	604
14	Cancer Stem Cells: Basic Concepts and Therapeutic Implications. Annual Review of Pathology: Mechanisms of Disease, 2016, 11, 47-76.	22.4	559
15	SOX2 controls tumour initiation and cancer stem-cell functions in squamous-cell carcinoma. Nature, 2014, 511, 246-250.	27.8	552
16	Epithelial Stem Cells: Turning over New Leaves. Cell, 2007, 128, 445-458.	28.9	511
17	Distinct contribution of stem and progenitor cells to epidermal maintenance. Nature, 2012, 489, 257-262.	27.8	494
18	Plasticity of epithelial stem cells in tissue regeneration. Science, 2014, 344, 1242281.	12.6	464

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19	A vascular niche and a VEGFâ€“Nrp1 loop regulate the initiation and stemness of skin tumours. Nature, 2011, 478, 399-403.	27.8	410
20	Phenotypic Plasticity: Driver of Cancer Initiation, Progression, and Therapy Resistance. Cell Stem Cell, 2019, 24, 65-78.	11.1	399
21	p53 induces formation of NEAT1 lncRNA-containing paraspeckles that modulate replication stress response and chemosensitivity. Nature Medicine, 2016, 22, 861-868.	30.7	372
22	Canonical notch signaling functions as a commitment switch in the epidermal lineage. Genes and Development, 2006, 20, 3022-3035.	5.9	368
23	Defining the impact of Â-catenin/Tcf transactivation on epithelial stem cells. Genes and Development, 2005, 19, 1596-1611.	5.9	348
24	Identification of the cell lineage at the origin of basal cell carcinoma. Nature Cell Biology, 2010, 12, 299-305.	10.3	345
25	Mesp1 Acts as a Master Regulator of Multipotent Cardiovascular Progenitor Specification. Cell Stem Cell, 2008, 3, 69-84.	11.1	341
26	Epitope Mapping of CCR5 Reveals Multiple Conformational States and Distinct but Overlapping Structures Involved in Chemokine and Coreceptor Function. Journal of Biological Chemistry, 1999, 274, 9617-9626.	3.4	327
27	DNA-Damage Response in Tissue-Specific and Cancer Stem Cells. Cell Stem Cell, 2011, 8, 16-29.	11.1	288
28	Reactivation of multipotency by oncogenic PIK3CA induces breast tumour heterogeneity. Nature, 2015, 525, 119-123.	27.8	284
29	Defining stem cell dynamics and migration during wound healing in mouse skin epidermis. Nature Communications, 2017, 8, 14684.	12.8	273
30	Identification of Stem Cell Populations in Sweat Glands and Ducts Reveals Roles in Homeostasis and Wound Repair. Cell, 2012, 150, 136-150.	28.9	265
31	Identifying the cellular origin of squamous skin tumors. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7431-7436.	7.1	257
32	Early lineage restriction in temporally distinct populations of Mesp1 progenitors during mammalian heart development. Nature Cell Biology, 2014, 16, 829-840.	10.3	255
33	Stem cell dynamics, migration and plasticity during wound healing. Nature Cell Biology, 2019, 21, 18-24.	10.3	250
34	Epidermal progenitors give rise to Merkel cells during embryonic development and adult homeostasis. Journal of Cell Biology, 2009, 187, 91-100.	5.2	240
35	Fat1 deletion promotes hybrid EMT state, tumour stemness and metastasis. Nature, 2021, 589, 448-455.	27.8	232
36	Unravelling stem cell dynamics by lineage tracing. Nature Reviews Molecular Cell Biology, 2013, 14, 489-502.	37.0	231

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37	Tracing the cellular origin of cancer. Nature Cell Biology, 2013, 15, 126-134.	10.3	231
38	Defining the earliest step of cardiovascular lineage segregation by single-cell RNA-seq. Science, 2018, 359, 1177-1181.	12.6	230
39	Bcl-2 and accelerated DNA repair mediates resistance of hair follicle bulge stem cells to DNA-damage-induced cell death. Nature Cell Biology, 2010, 12, 572-582.	10.3	222
40	Multipotent and unipotent progenitors contribute to prostate postnatal development. Nature Cell Biology, 2012, 14, 1131-1138.	10.3	193
41	Constitutive Agonist-independent CCR5 Oligomerization and Antibody-mediated Clustering Occurring at Physiological Levels of Receptors. Journal of Biological Chemistry, 2002, 277, 34666-34673.	3.4	183
42	Genomic landscape of carcinogen-induced and genetically induced mouse skin squamous cell carcinoma. Nature Medicine, 2015, 21, 946-954.	30.7	179
43	The long noncoding RNA Neat1 is required for mammary gland development and lactation. Rna, 2014, 20, 1844-1849.	3.5	177
44	DNA damage response in adult stem cells: pathways and consequences. Nature Reviews Molecular Cell Biology, 2011, 12, 198-202.	37.0	172
45	Deciphering the cells of origin of squamous cell carcinomas. Nature Reviews Cancer, 2018, 18, 549-561.	28.4	171
46	Cell-Type-Specific Chromatin States Differentially Prime Squamous Cell Carcinoma Tumor-Initiating Cells for Epithelial to Mesenchymal Transition. Cell Stem Cell, 2017, 20, 191-204.e5.	11.1	170
47	Different Levels of Twist1 Regulate Skin Tumor Initiation, Stemness, and Progression. Cell Stem Cell, 2015, 16, 67-79.	11.1	169
48	Clonal Dynamics Reveal Two Distinct Populations of Basal Cells in Slow-Turnover Airway Epithelium. Cell Reports, 2015, 12, 90-101.	6.4	154
49	Transient PLK4 overexpression accelerates tumorigenesis in p53-deficient epidermis. Nature Cell Biology, 2016, 18, 100-110.	10.3	145
50	The Core Domain of Chemokines Binds CCR5 Extracellular Domains while Their Amino Terminus Interacts with the Transmembrane Helix Bundle. Journal of Biological Chemistry, 2003, 278, 5179-5187.	3.4	144
51	Mesp1. Circulation Research, 2010, 107, 1414-1427.	4.5	143
52	The expression of Sox17 identifies and regulates haemogenic endothelium. Nature Cell Biology, 2013, 15, 502-510.	10.3	143
53	Multiple Charged and Aromatic Residues in CCR5 Amino-terminal Domain Are Involved in High Affinity Binding of Both Chemokines and HIV-1 Env Protein. Journal of Biological Chemistry, 1999, 274, 34719-34727.	3.4	137
54	Quantitative lineage tracing strategies to resolve multipotency in tissue-specific stem cells. Genes and Development, 2016, 30, 1261-1277.	5.9	131

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55	Sox9 Controls Self-Renewal of Oncogene Targeted Cells and Links Tumor Initiation and Invasion. Cell Stem Cell, 2015, 17, 60-73.	11.1	126
56	Palmitoylation of CCR5 Is Critical for Receptor Trafficking and Efficient Activation of Intracellular Signaling Pathways. Journal of Biological Chemistry, 2001, 276, 23795-23804.	3.4	125
57	Early lineage segregation of multipotent embryonic mammary gland progenitors. Nature Cell Biology, 2018, 20, 666-676.	10.3	124
58	The TXP Motif in the Second Transmembrane Helix of CCR5. Journal of Biological Chemistry, 2001, 276, 13217-13225.	3.4	118
59	Adult interfollicular tumour-initiating cells are reprogrammed into an embryonic hair follicle progenitor-like fate during basal cell carcinoma initiation. Nature Cell Biology, 2012, 14, 1282-1294.	10.3	117
60	Defining the earliest step of cardiovascular progenitor specification during embryonic stem cell differentiation. Journal of Cell Biology, 2011, 192, 751-765.	5.2	114
61	A slow-cycling LGR5 tumour population mediates basal cell carcinoma relapse after therapy. Nature, 2018, 562, 434-438.	27.8	113
62	Mechanisms of stretch-mediated skin expansion at single-cell resolution. Nature, 2020, 584, 268-273.	27.8	113
63	Extracellular Cysteines of CCR5 Are Required for Chemokine Binding, but Dispensable for HIV-1 Coreceptor Activity. Journal of Biological Chemistry, 1999, 274, 18902-18908.	3.4	104
64	Defining the clonal dynamics leading to mouse skin tumour initiation. Nature, 2016, 536, 298-303.	27.8	104
65	Skin regeneration and repair. Nature, 2010, 464, 686-687.	27.8	92
66	p63: revving up epithelial stem-cell potential. Nature Cell Biology, 2007, 9, 731-733.	10.3	91
67	Uncovering the Number and Clonal Dynamics of Mesp1 Progenitors during Heart Morphogenesis. Cell Reports, 2016, 14, 1-10.	6.4	91
68	Mutation of the DRY Motif Reveals Different Structural Requirements for the CC Chemokine Receptor 5-Mediated Signaling and Receptor Endocytosis. Molecular Pharmacology, 2005, 67, 1966-1976.	2.3	88
69	Functional Dissection of CCR5 Coreceptor Function through the Use of CD4-Independent Simian Immunodeficiency Virus Strains. Journal of Virology, 1999, 73, 4062-4073.	3.4	88
70	aPKCÎ» controls epidermal homeostasis and stem cell fate through regulation of division orientation. Journal of Cell Biology, 2013, 202, 887-900.	5.2	86
71	Activation of CCR5 by Chemokines Involves an Aromatic Cluster between Transmembrane Helices 2 and 3. Journal of Biological Chemistry, 2003, 278, 1892-1903.	3.4	85
72	Development and Homeostasis of the Skin Epidermis. Cold Spring Harbor Perspectives in Biology, 2012, 4, a008383-a008383.	5.5	83

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73	Lineage-Restricted Mammary Stem Cells Sustain the Development, Homeostasis, and Regeneration of the Estrogen Receptor Positive Lineage. Cell Reports, 2017, 20, 1525-1532.	6.4	83
74	Heterotypic cellâ€"cell communication regulates glandular stem cell multipotency. Nature, 2020, 584, 608-613.	27.8	82
75	<scp>YAP</scp> and <scp>TAZ</scp> are essential for basal and squamous cell carcinoma initiation. EMBO Reports, 2018, 19, .	4.5	76
76	Skin squamous cell carcinoma propagating cells increase with tumour progression and invasiveness. EMBO Journal, 2012, 31, 4563-4575.	7.8	73
77	Cardiac Cell Lineages that Form the Heart. Cold Spring Harbor Perspectives in Medicine, 2014, 4, a013888-a013888.	6.2	70
78	Defining the Design Principles of Skin Epidermis Postnatal Growth. Cell, 2020, 181, 604-620.e22.	28.9	65
79	The Majority of Multipotent Epidermal Stem Cells Do Not Protect Their Genome by Asymmetrical Chromosome Segregation. Stem Cells, 2008, 26, 2964-2973.	3.2	64
80	Mechanisms regulating epidermal stem cells. EMBO Journal, 2012, 31, 2067-2075.	7.8	63
81	G Protein-Dependent CCR5 Signaling Is Not Required for Efficient Infection of Primary T Lymphocytes and Macrophages by R5 Human Immunodeficiency Virus Type 1 Isolates. Journal of Virology, 2003, 77, 2550-2558.	3.4	61
82	Tracing epithelial stem cells during development, homeostasis, and repair. Journal of Cell Biology, 2012, 197, 575-584.	5.2	61
83	Serotonin 5-HT2B receptor loss of function mutation in a patient with fenfluramine-associated primary pulmonary hypertension. Cardiovascular Research, 2003, 60, 518-528.	3.8	53
84	Eomesodermin induces Mesp1 expression and cardiac differentiation from embryonic stem cells in the absence of Activin. EMBO Reports, 2012, 13, 355-362.	4.5	50
85	Characterization and Clinical Evaluation of CD10+ Stroma Cells in the Breast Cancer Microenvironment. Clinical Cancer Research, 2012, 18, 1004-1014.	7.0	46
86	Mesp1 controls the speed, polarity, and directionality of cardiovascular progenitor migration. Journal of Cell Biology, 2016, 213, 463-477.	5.2	46
87	Thyroid hormone induces progression and invasiveness of squamous cell carcinomas by promoting a ZEB-1/E-cadherin switch. Nature Communications, 2019, 10, 5410.	12.8	41
88	Universality of clone dynamics during tissue development. Nature Physics, 2018, 14, 469-474.	16.7	37
89	Epidermal autonomous VEGFA/Flt1/Nrp1 functions mediate psoriasis-like disease. Science Advances, 2020, 6, eaax5849.	10.3	37
90	A Distant Upstream Locus Control Region Is Critical for Expression of the Kit Receptor Gene in Mast Cells. Molecular and Cellular Biology, 2006, 26, 5850-5860.	2.3	36

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91	A Novel Approach for Quantifying Cancer Cells Showing Hybrid Epithelial/Mesenchymal States in Large Series of Tissue Samples: Towards a New Prognostic Marker. Cancers, 2020, 12, 906.	3.7	35
92	BRCA1 deficiency in skin epidermis leads to selective loss of hair follicle stem cells and their progeny. Genes and Development, 2013, 27, 39-51.	5.9	33
93	Stem cells assessed. Nature Reviews Molecular Cell Biology, 2012, 13, 471-476.	37.0	31
94	Context Dependency of Epithelial-to-Mesenchymal Transition for Metastasis. Cell Reports, 2019, 29, 1458-1468.e3.	6.4	28
95	Long Live Sox2: Sox2 Lasts a Lifetime. Cell Stem Cell, 2011, 9, 283-284.	11.1	24
96	Deciphering functional tumor states at singleâ€cell resolution. EMBO Journal, 2022, 41, e109221.	7.8	23
97	Spatiotemporal regulation of multipotency during prostate development. Development (Cambridge), 2019, 146, .	2.5	19
98	NR2F2 controls malignant squamous cell carcinoma state by promoting stemness and invasion and repressing differentiation. Nature Cancer, 2021, 2, 1152-1169.	13.2	17
99	Transgenic stem cells replace skin. Nature, 2017, 551, 306-307.	27.8	14
100	EGFR Controls Hair Shaft Differentiation in a p53-Independent Manner. IScience, 2019, 15, 243-256.	4.1	14
101	Deregulated expression of Cdc6 in the skin facilitates papilloma formation and affects the hair growth cycle. Cell Cycle, 2015, 14, 3897-3907.	2.6	12
102	Prostate luminal progenitor cells: from mouse to human, from health to disease. Nature Reviews Urology, 2022, 19, 201-218.	3.8	12
103	Mesp1 controls the chromatin and enhancer landscapes essential for spatiotemporal patterning of early cardiovascular progenitors. Nature Cell Biology, 2022, 24, 1114-1128.	10.3	11
104	Recording EMT Activity by Lineage Tracing during Metastasis. Developmental Cell, 2020, 54, 567-569.	7.0	10
105	A Dominant Role of the Hair Follicle Stem Cell Niche in Regulating Melanocyte Stemness. Cell Stem Cell, 2010, 6, 95-96.	11.1	7
106	Identifying the niche controlling melanocyte differentiation. Genes and Development, 2017, 31, 721-723.	5.9	7
107	Maintaining hair follicle stem cell identity in a dish. EMBO Journal, 2017, 36, 132-134.	7.8	6
108	Single stem cell gene therapy for geneticÂskin disease. EMBO Molecular Medicine, 2015, 7, 366-367.	6.9	5

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109	Epidermal development and homeostasis. Seminars in Cell and Developmental Biology, 2012, 23, 883.	5.0	4
110	Tracking the origins of tumorigenesis. Science, 2016, 351, 453-454.	12.6	4
111	Targeting the epigenetic addiction of Merkel cell carcinoma. EMBO Molecular Medicine, 2020, 12, e13347.	6.9	4
112	CÃ©dric Blanpain: The stories stem cells tell. Journal of Cell Biology, 2012, 199, 4-5.	5.2	0
113	366 days: Nature's 10. Nature, 2012, 492, 335-343.	27.8	0
114	Fondation RenÃ© Touraine. Experimental Dermatology, 2013, 22, 682-693.	2.9	0
115	Editorial Overview: The ins and outs of stem cells in differentiation, inflammation & disease. Current Opinion in Cell Biology, 2016, 43, iv-vi.	5.4	0