

# CÃ©dric Blanpain

## List of Publications by Year in descending order

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115  
papers

28,172  
citations

11908

72  
h-index

22488

117  
g-index

126  
all docs

126  
docs citations

126  
times ranked

36120  
citing authors

#	ARTICLE	IF	CITATIONS
1	Defining the Epithelial Stem Cell Niche in Skin. <i>Science</i> , 2004, 303, 359-363.	6.0	1,877
2	EMT Transition States during Tumor Progression and Metastasis. <i>Trends in Cell Biology</i> , 2019, 29, 212-226.	3.6	1,764
3	Self-Renewal, Multipotency, and the Existence of Two Cell Populations within an Epithelial Stem Cell Niche. <i>Cell</i> , 2004, 118, 635-648.	13.5	1,300
4	The Metastasis Suppressor Gene KiSS-1 Encodes Kisspeptins, the Natural Ligands of the Orphan G Protein-coupled Receptor GPR54. <i>Journal of Biological Chemistry</i> , 2001, 276, 34631-34636.	1.6	1,283
5	Guidelines and definitions for research on epithelialâ€“mesenchymal transition. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 341-352.	16.1	1,195
6	Identification of the tumour transition states occurring during EMT. <i>Nature</i> , 2018, 556, 463-468.	13.7	1,083
7	Epidermal homeostasis: a balancing act of stem cells in the skin. <i>Nature Reviews Molecular Cell Biology</i> , 2009, 10, 207-217.	16.1	1,076
8	Specific Recruitment of Antigen-presenting Cells by Chemerin, a Novel Processed Ligand from Human Inflammatory Fluids. <i>Journal of Experimental Medicine</i> , 2003, 198, 977-985.	4.2	755
9	Distinct stem cells contribute to mammary gland development and maintenance. <i>Nature</i> , 2011, 479, 189-193.	13.7	733
10	Unravelling cancer stem cell potential. <i>Nature Reviews Cancer</i> , 2013, 13, 727-738.	12.8	723
11	Epidermal Stem Cells of the Skin. <i>Annual Review of Cell and Developmental Biology</i> , 2006, 22, 339-373.	4.0	681
12	Defining the mode of tumour growth by clonal analysis. <i>Nature</i> , 2012, 488, 527-530.	13.7	662
13	Toward understanding and exploiting tumor heterogeneity. <i>Nature Medicine</i> , 2015, 21, 846-853.	15.2	604
14	Cancer Stem Cells: Basic Concepts and Therapeutic Implications. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2016, 11, 47-76.	9.6	559
15	SOX2 controls tumour initiation and cancer stem-cell functions in squamous-cell carcinoma. <i>Nature</i> , 2014, 511, 246-250.	13.7	552
16	Epithelial Stem Cells: Turning over New Leaves. <i>Cell</i> , 2007, 128, 445-458.	13.5	511
17	Distinct contribution of stem and progenitor cells to epidermal maintenance. <i>Nature</i> , 2012, 489, 257-262.	13.7	494
18	Plasticity of epithelial stem cells in tissue regeneration. <i>Science</i> , 2014, 344, 1242281.	6.0	464

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19	A vascular niche and a VEGFâ€Nrp1 loop regulate the initiation and stemness of skin tumours. <i>Nature</i> , 2011, 478, 399-403.	13.7	410
20	Phenotypic Plasticity: Driver of Cancer Initiation, Progression, and Therapy Resistance. <i>Cell Stem Cell</i> , 2019, 24, 65-78.	5.2	399
21	p53 induces formation of NEAT1 lncRNA-containing paraspeckles that modulate replication stress response and chemosensitivity. <i>Nature Medicine</i> , 2016, 22, 861-868.	15.2	372
22	Canonical notch signaling functions as a commitment switch in the epidermal lineage. <i>Genes and Development</i> , 2006, 20, 3022-3035.	2.7	368
23	Defining the impact of Â-catenin/Tcf transactivation on epithelial stem cells. <i>Genes and Development</i> , 2005, 19, 1596-1611.	2.7	348
24	Identification of the cell lineage at the origin of basal cell carcinoma. <i>Nature Cell Biology</i> , 2010, 12, 299-305.	4.6	345
25	Mesp1 Acts as a Master Regulator of Multipotent Cardiovascular Progenitor Specification. <i>Cell Stem Cell</i> , 2008, 3, 69-84.	5.2	341
26	Epitope Mapping of CCR5 Reveals Multiple Conformational States and Distinct but Overlapping Structures Involved in Chemokine and Coreceptor Function. <i>Journal of Biological Chemistry</i> , 1999, 274, 9617-9626.	1.6	327
27	DNA-Damage Response in Tissue-Specific and Cancer Stem Cells. <i>Cell Stem Cell</i> , 2011, 8, 16-29.	5.2	288
28	Reactivation of multipotency by oncogenic PIK3CA induces breast tumour heterogeneity. <i>Nature</i> , 2015, 525, 119-123.	13.7	284
29	Defining stem cell dynamics and migration during wound healing in mouse skin epidermis. <i>Nature Communications</i> , 2017, 8, 14684.	5.8	273
30	Identification of Stem Cell Populations in Sweat Glands and Ducts Reveals Roles in Homeostasis and Wound Repair. <i>Cell</i> , 2012, 150, 136-150.	13.5	265
31	Identifying the cellular origin of squamous skin tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7431-7436.	3.3	257
32	Early lineage restriction in temporally distinct populations of Mesp1 progenitors during mammalian heart development. <i>Nature Cell Biology</i> , 2014, 16, 829-840.	4.6	255
33	Stem cell dynamics, migration and plasticity during wound healing. <i>Nature Cell Biology</i> , 2019, 21, 18-24.	4.6	250
34	Epidermal progenitors give rise to Merkel cells during embryonic development and adult homeostasis. <i>Journal of Cell Biology</i> , 2009, 187, 91-100.	2.3	240
35	Fat1 deletion promotes hybrid EMT state, tumour stemness and metastasis. <i>Nature</i> , 2021, 589, 448-455.	13.7	232
36	Unravelling stem cell dynamics by lineage tracing. <i>Nature Reviews Molecular Cell Biology</i> , 2013, 14, 489-502.	16.1	231

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37	Tracing the cellular origin of cancer. <i>Nature Cell Biology</i> , 2013, 15, 126-134.	4.6	231
38	Defining the earliest step of cardiovascular lineage segregation by single-cell RNA-seq. <i>Science</i> , 2018, 359, 1177-1181.	6.0	230
39	Bcl-2 and accelerated DNA repair mediates resistance of hair follicle bulge stem cells to DNA-damage-induced cell death. <i>Nature Cell Biology</i> , 2010, 12, 572-582.	4.6	222
40	Multipotent and unipotent progenitors contribute to prostate postnatal development. <i>Nature Cell Biology</i> , 2012, 14, 1131-1138.	4.6	193
41	Constitutive Agonist-independent CCR5 Oligomerization and Antibody-mediated Clustering Occurring at Physiological Levels of Receptors. <i>Journal of Biological Chemistry</i> , 2002, 277, 34666-34673.	1.6	183
42	Genomic landscape of carcinogen-induced and genetically induced mouse skin squamous cell carcinoma. <i>Nature Medicine</i> , 2015, 21, 946-954.	15.2	179
43	The long noncoding RNA Neat1 is required for mammary gland development and lactation. <i>Rna</i> , 2014, 20, 1844-1849.	1.6	177
44	DNA damage response in adult stem cells: pathways and consequences. <i>Nature Reviews Molecular Cell Biology</i> , 2011, 12, 198-202.	16.1	172
45	Deciphering the cells of origin of squamous cell carcinomas. <i>Nature Reviews Cancer</i> , 2018, 18, 549-561.	12.8	171
46	Cell-Type-Specific Chromatin States Differentially Prime Squamous Cell Carcinoma Tumor-Initiating Cells for Epithelial to Mesenchymal Transition. <i>Cell Stem Cell</i> , 2017, 20, 191-204.e5.	5.2	170
47	Different Levels of Twist1 Regulate Skin Tumor Initiation, Stemness, and Progression. <i>Cell Stem Cell</i> , 2015, 16, 67-79.	5.2	169
48	Clonal Dynamics Reveal Two Distinct Populations of Basal Cells in Slow-Turnover Airway Epithelium. <i>Cell Reports</i> , 2015, 12, 90-101.	2.9	154
49	Transient PLK4 overexpression accelerates tumorigenesis in p53-deficient epidermis. <i>Nature Cell Biology</i> , 2016, 18, 100-110.	4.6	145
50	The Core Domain of Chemokines Binds CCR5 Extracellular Domains while Their Amino Terminus Interacts with the Transmembrane Helix Bundle. <i>Journal of Biological Chemistry</i> , 2003, 278, 5179-5187.	1.6	144
51	Mesp1. <i>Circulation Research</i> , 2010, 107, 1414-1427.	2.0	143
52	The expression of Sox17 identifies and regulates haemogenic endothelium. <i>Nature Cell Biology</i> , 2013, 15, 502-510.	4.6	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. <i>Journal of Biological Chemistry</i> , 1999, 274, 34719-34727.	1.6	137
54	Quantitative lineage tracing strategies to resolve multipotency in tissue-specific stem cells. <i>Genes and Development</i> , 2016, 30, 1261-1277.	2.7	131

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55	Sox9 Controls Self-Renewal of Oncogene Targeted Cells and Links Tumor Initiation and Invasion. <i>Cell Stem Cell</i> , 2015, 17, 60-73.	5.2	126
56	Palmitoylation of CCR5 Is Critical for Receptor Trafficking and Efficient Activation of Intracellular Signaling Pathways. <i>Journal of Biological Chemistry</i> , 2001, 276, 23795-23804.	1.6	125
57	Early lineage segregation of multipotent embryonic mammary gland progenitors. <i>Nature Cell Biology</i> , 2018, 20, 666-676.	4.6	124
58	The TXP Motif in the Second Transmembrane Helix of CCR5. <i>Journal of Biological Chemistry</i> , 2001, 276, 13217-13225.	1.6	118
59	Adult interfollicular tumour-initiating cells are reprogrammed into an embryonic hair follicle progenitor-like fate during basal cell carcinoma initiation. <i>Nature Cell Biology</i> , 2012, 14, 1282-1294.	4.6	117
60	Defining the earliest step of cardiovascular progenitor specification during embryonic stem cell differentiation. <i>Journal of Cell Biology</i> , 2011, 192, 751-765.	2.3	114
61	A slow-cycling LGR5 tumour population mediates basal cell carcinoma relapse after therapy. <i>Nature</i> , 2018, 562, 434-438.	13.7	113
62	Mechanisms of stretch-mediated skin expansion at single-cell resolution. <i>Nature</i> , 2020, 584, 268-273.	13.7	113
63	Extracellular Cysteines of CCR5 Are Required for Chemokine Binding, but Dispensable for HIV-1 Coreceptor Activity. <i>Journal of Biological Chemistry</i> , 1999, 274, 18902-18908.	1.6	104
64	Defining the clonal dynamics leading to mouse skin tumour initiation. <i>Nature</i> , 2016, 536, 298-303.	13.7	104
65	Skin regeneration and repair. <i>Nature</i> , 2010, 464, 686-687.	13.7	92
66	p63: revving up epithelial stem-cell potential. <i>Nature Cell Biology</i> , 2007, 9, 731-733.	4.6	91
67	Uncovering the Number and Clonal Dynamics of Mesp1 Progenitors during Heart Morphogenesis. <i>Cell Reports</i> , 2016, 14, 1-10.	2.9	91
68	Mutation of the DRY Motif Reveals Different Structural Requirements for the CC Chemokine Receptor 5-Mediated Signaling and Receptor Endocytosis. <i>Molecular Pharmacology</i> , 2005, 67, 1966-1976.	1.0	88
69	Functional Dissection of CCR5 Coreceptor Function through the Use of CD4-Independent Simian Immunodeficiency Virus Strains. <i>Journal of Virology</i> , 1999, 73, 4062-4073.	1.5	88
70	aPKC $\zeta$ controls epidermal homeostasis and stem cell fate through regulation of division orientation. <i>Journal of Cell Biology</i> , 2013, 202, 887-900.	2.3	86
71	Activation of CCR5 by Chemokines Involves an Aromatic Cluster between Transmembrane Helices 2 and 3. <i>Journal of Biological Chemistry</i> , 2003, 278, 1892-1903.	1.6	85
72	Development and Homeostasis of the Skin Epidermis. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012, 4, a008383-a008383.	2.3	83

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73	Lineage-Restricted Mammary Stem Cells Sustain the Development, Homeostasis, and Regeneration of the Estrogen Receptor Positive Lineage. <i>Cell Reports</i> , 2017, 20, 1525-1532.	2.9	83
74	Heterotypic cell-cell communication regulates glandular stem cell multipotency. <i>Nature</i> , 2020, 584, 608-613.	13.7	82
75	<scp>YAP</scp> and <scp>TAZ</scp> are essential for basal and squamous cell carcinoma initiation. <i>EMBO Reports</i> , 2018, 19, .	2.0	76
76	Skin squamous cell carcinoma propagating cells increase with tumour progression and invasiveness. <i>EMBO Journal</i> , 2012, 31, 4563-4575.	3.5	73
77	Cardiac Cell Lineages that Form the Heart. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2014, 4, a013888-a013888.	2.9	70
78	Defining the Design Principles of Skin Epidermis Postnatal Growth. <i>Cell</i> , 2020, 181, 604-620.e22.	13.5	65
79	The Majority of Multipotent Epidermal Stem Cells Do Not Protect Their Genome by Asymmetrical Chromosome Segregation. <i>Stem Cells</i> , 2008, 26, 2964-2973.	1.4	64
80	Mechanisms regulating epidermal stem cells. <i>EMBO Journal</i> , 2012, 31, 2067-2075.	3.5	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. <i>Journal of Virology</i> , 2003, 77, 2550-2558.	1.5	61
82	Tracing epithelial stem cells during development, homeostasis, and repair. <i>Journal of Cell Biology</i> , 2012, 197, 575-584.	2.3	61
83	Serotonin 5-HT2B receptor loss of function mutation in a patient with fenfluramine-associated primary pulmonary hypertension. <i>Cardiovascular Research</i> , 2003, 60, 518-528.	1.8	53
84	Eomesodermin induces Mesp1 expression and cardiac differentiation from embryonic stem cells in the absence of Activin. <i>EMBO Reports</i> , 2012, 13, 355-362.	2.0	50
85	Characterization and Clinical Evaluation of CD10+ Stroma Cells in the Breast Cancer Microenvironment. <i>Clinical Cancer Research</i> , 2012, 18, 1004-1014.	3.2	46
86	Mesp1 controls the speed, polarity, and directionality of cardiovascular progenitor migration. <i>Journal of Cell Biology</i> , 2016, 213, 463-477.	2.3	46
87	Thyroid hormone induces progression and invasiveness of squamous cell carcinomas by promoting a ZEB-1/E-cadherin switch. <i>Nature Communications</i> , 2019, 10, 5410.	5.8	41
88	Universality of clone dynamics during tissue development. <i>Nature Physics</i> , 2018, 14, 469-474.	6.5	37
89	Epidermal autonomous VEGFA/Flt1/Nrp1 functions mediate psoriasis-like disease. <i>Science Advances</i> , 2020, 6, eaax5849.	4.7	37
90	A Distant Upstream Locus Control Region Is Critical for Expression of the Kit Receptor Gene in Mast Cells. <i>Molecular and Cellular Biology</i> , 2006, 26, 5850-5860.	1.1	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. <i>Cancers</i> , 2020, 12, 906.	1.7	35
92	BRCA1 deficiency in skin epidermis leads to selective loss of hair follicle stem cells and their progeny. <i>Genes and Development</i> , 2013, 27, 39-51.	2.7	33
93	Stem cells assessed. <i>Nature Reviews Molecular Cell Biology</i> , 2012, 13, 471-476.	16.1	31
94	Context Dependency of Epithelial-to-Mesenchymal Transition for Metastasis. <i>Cell Reports</i> , 2019, 29, 1458-1468.e3.	2.9	28
95	Long Live Sox2: Sox2 Lasts a Lifetime. <i>Cell Stem Cell</i> , 2011, 9, 283-284.	5.2	24
96	Deciphering functional tumor states at single-cell resolution. <i>EMBO Journal</i> , 2022, 41, e109221.	3.5	23
97	Spatiotemporal regulation of multipotency during prostate development. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	19
98	NR2F2 controls malignant squamous cell carcinoma state by promoting stemness and invasion and repressing differentiation. <i>Nature Cancer</i> , 2021, 2, 1152-1169.	5.7	17
99	Transgenic stem cells replace skin. <i>Nature</i> , 2017, 551, 306-307.	13.7	14
100	EGFR Controls Hair Shaft Differentiation in a p53-Independent Manner. <i>IScience</i> , 2019, 15, 243-256.	1.9	14
101	Deregulated expression of Cdc6 in the skin facilitates papilloma formation and affects the hair growth cycle. <i>Cell Cycle</i> , 2015, 14, 3897-3907.	1.3	12
102	Prostate luminal progenitor cells: from mouse to human, from health to disease. <i>Nature Reviews Urology</i> , 2022, 19, 201-218.	1.9	12
103	Mesp1 controls the chromatin and enhancer landscapes essential for spatiotemporal patterning of early cardiovascular progenitors. <i>Nature Cell Biology</i> , 2022, 24, 1114-1128.	4.6	11
104	Recording EMT Activity by Lineage Tracing during Metastasis. <i>Developmental Cell</i> , 2020, 54, 567-569.	3.1	10
105	A Dominant Role of the Hair Follicle Stem Cell Niche in Regulating Melanocyte Stemness. <i>Cell Stem Cell</i> , 2010, 6, 95-96.	5.2	7
106	Identifying the niche controlling melanocyte differentiation. <i>Genes and Development</i> , 2017, 31, 721-723.	2.7	7
107	Maintaining hair follicle stem cell identity in a dish. <i>EMBO Journal</i> , 2017, 36, 132-134.	3.5	6
108	Single stem cell gene therapy for genetic skin disease. <i>EMBO Molecular Medicine</i> , 2015, 7, 366-367.	3.3	5

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109	Epidermal development and homeostasis. <i>Seminars in Cell and Developmental Biology</i> , 2012, 23, 883.	2.3	4
110	Tracking the origins of tumorigenesis. <i>Science</i> , 2016, 351, 453-454.	6.0	4
111	Targeting the epigenetic addiction of Merkel cell carcinoma. <i>EMBO Molecular Medicine</i> , 2020, 12, e13347.	3.3	4
112	CÉdric Blanpain: The stories stem cells tell. <i>Journal of Cell Biology</i> , 2012, 199, 4-5.	2.3	0
113	366 days: Nature's 10. <i>Nature</i> , 2012, 492, 335-343.	13.7	0
114	Fondation René Touraine. <i>Experimental Dermatology</i> , 2013, 22, 682-693.	1.4	0
115	Editorial Overview: The ins and outs of stem cells in differentiation, inflammation & disease. <i>Current Opinion in Cell Biology</i> , 2016, 43, iv-vi.	2.6	0