Elaine Fuchs

List of Publications by Citations

205 papers	40,337 citations	108 h-index	200 g-index
225 ext. papers	45,879 ext. citations	24.8 avg, IF	7.86 L-index

#	Paper	IF	Citations
205	Defining the epithelial stem cell niche in skin. *Science*, **2004**, 303, 359-63	33.3	1636
204	Socializing with the neighbors: stem cells and their niche. *Cell*, **2004**, 116, 769-78	56.2	1494
203	De Novo hair follicle morphogenesis and hair tumors in mice expressing a truncated beta-catenin in skin. *Cell*, **1998**, 95, 605-14	56.2	1160
202	Self-renewal, multipotency, and the existence of two cell populations within an epithelial stem cell niche. *Cell*, **2004**, 118, 635-48	56.2	1146
201	Changes in keratin gene expression during terminal differentiation of the keratinocyte. *Cell*, **1980**, 19, 1033-42	56.2	958
200	Directed actin polymerization is the driving force for epithelial cell-cell adhesion. *Cell*, **2000**, 100, 209-19	56.2	953
199	Epidermal homeostasis: a balancing act of stem cells in the skin. *Nature Reviews Molecular Cell Biology*, **2009**, 10, 207-17	48.7	877
198	Asymmetric cell divisions promote stratification and differentiation of mammalian skin. *Nature*, **2005**, 437, 275-80	50.4	774
197	A common human skin tumour is caused by activating mutations in beta-catenin. *Nature Genetics*, **1999**, 21, 410-3	36.3	751
196	Scratching the surface of skin development. *Nature*, **2007**, 445, 834-42	50.4	640
195	A skin microRNA promotes differentiation by repressing 'stemness' *Nature*, **2008**, 452, 225-9	50.4	636
194	Sticky business: orchestrating cellular signals at adherens junctions. *Cell*, **2003**, 112, 535-48	56.2	636
193	Klf4 is a transcription factor required for establishing the barrier function of the skin. *Nature Genetics*, **1999**, 22, 356-60	36.3	615
192	Defining trained immunity and its role in health and disease. *Nature Reviews Immunology*, **2020**, 20, 375-388	36.5	587
191	Getting under the skin of epidermal morphogenesis. *Nature Reviews Genetics*, **2002**, 3, 199-209	30.1	570
190	Epidermal stem cells of the skin. *Annual Review of Cell and Developmental Biology*, **2006**, 22, 339-73	12.6	554
189	A two-step mechanism for stem cell activation during hair regeneration. *Cell Stem Cell*, **2009**, 4, 155-69	18	530

188	A role for skin gammadelta T cells in wound repair. *Science*, **2002**, 296, 747-9	33.3	492
187	Links between signal transduction, transcription and adhesion in epithelial bud development. *Nature*, **2003**, 422, 317-22	50.4	485
186	Ezh2 orchestrates gene expression for the stepwise differentiation of tissue-specific stem cells. *Cell*, **2009**, 136, 1122-35	56.2	458
185	Tcf3 and Lef1 regulate lineage differentiation of multipotent stem cells in skin. *Genes and Development*, **2001**, 15, 1688-705	12.6	445
184	Morphogenesis in skin is governed by discrete sets of differentially expressed microRNAs. *Nature Genetics*, **2006**, 38, 356-62	36.3	440
183	Epithelial stem cells: turning over new leaves. *Cell*, **2007**, 128, 445-58	56.2	429
182	Hair follicle stem cells are specified and function in early skin morphogenesis. *Cell Stem Cell*, **2008**, 3, 33-43	18	425
181	Dynamics between stem cells, niche, and progeny in the hair follicle. *Cell*, **2011**, 144, 92-105	56.2	419
180	Mutant keratin expression in transgenic mice causes marked abnormalities resembling a human genetic skin disease. *Cell*, **1991**, 64, 365-80	56.2	378
179	Emerging interactions between skin stem cells and their niches. *Nature Medicine*, **2014**, 20, 847-56	50.5	363
178	Hyperproliferation and defects in epithelial polarity upon conditional ablation of alpha-catenin in skin. *Cell*, **2001**, 104, 605-17	56.2	361
177	Stem cell plasticity. Plasticity of epithelial stem cells in tissue regeneration. *Science*, **2014**, 344, 1242281	33.3	352
176	Blimp1 defines a progenitor population that governs cellular input to the sebaceous gland. *Cell*, **2006**, 126, 597-609	56.2	352
175	Molecular dissection of mesenchymal-epithelial interactions in the hair follicle. *PLoS Biology*, **2005**, 3, e331	9.7	350
174	Skin stem cells: rising to the surface. *Journal of Cell Biology*, **2008**, 180, 273-84	7.3	327
173	Asymmetric cell divisions promote Notch-dependent epidermal differentiation. *Nature*, **2011**, 470, 353-8	50.4	326
172	NFATc1 balances quiescence and proliferation of skin stem cells. *Cell*, **2008**, 132, 299-310	56.2	325
171	Conditional ablation of beta1 integrin in skin. Severe defects in epidermal proliferation, basement membrane formation, and hair follicle invagination. *Journal of Cell Biology*, **2000**, 150, 1149-60	7.3	324

170	Keratins and the skin. *Annual Review of Cell and Developmental Biology*, **1995**, 11, 123-53	12.6	322
169	The cDNA sequence of a Type II cytoskeletal keratin reveals constant and variable structural domains among keratins. *Cell*, **1983**, 33, 915-24	56.2	318
168	The tortoise and the hair: slow-cycling cells in the stem cell race. *Cell*, **2009**, 137, 811-9	56.2	313
167	Canonical notch signaling functions as a commitment switch in the epidermal lineage. *Genes and Development*, **2006**, 20, 3022-35	12.6	311
166	Defining the impact of beta-catenin/Tcf transactivation on epithelial stem cells. *Genes and Development*, **2005**, 19, 1596-611	12.6	308
165	The genetic basis of epidermolytic hyperkeratosis: a disorder of differentiation-specific epidermal keratin genes. *Cell*, **1992**, 70, 811-9	56.2	308
164	TGF-promotes heterogeneity and drug resistance in squamous cell carcinoma. *Cell*, **2015**, 160, 963-976	56.2	303
163	The cDNA sequence of a human epidermal keratin: divergence of sequence but conservation of structure among intermediate filament proteins. *Cell*, **1982**, 31, 243-52	56.2	300
162	Actin cable dynamics and Rho/Rock orchestrate a polarized cytoskeletal architecture in the early steps of assembling a stratified epithelium. *Developmental Cell*, **2002**, 3, 367-81	10.2	289
161	EZH1 and EZH2 cogovern histone H3K27 trimethylation and are essential for hair follicle homeostasis and wound repair. *Genes and Development*, **2011**, 25, 485-98	12.6	288
160	BMP signaling in dermal papilla cells is required for their hair follicle-inductive properties. *Genes and Development*, **2008**, 22, 543-57	12.6	279
159	DNA methylation dynamics during in vivo differentiation of blood and skin stem cells. *Molecular Cell*, **2012**, 47, 633-47	17.6	271
158	Yes-associated protein (YAP) transcriptional coactivator functions in balancing growth and differentiation in skin. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 2270-5	11.5	264
157	Lhx2 maintains stem cell character in hair follicles. *Science*, **2006**, 312, 1946-9	33.3	264
156	GATA-3: an unexpected regulator of cell lineage determination in skin. *Genes and Development*, **2003**, 17, 2108-22	12.6	264
155	Stem cells in the skin: waste not, Wnt not. *Genes and Development*, **2003**, 17, 1189-200	12.6	260
154	ACF7: an essential integrator of microtubule dynamics. *Cell*, **2003**, 115, 343-54	56.2	260
153	The expression of keratin genes in epidermis and cultured epidermal cells. *Cell*, **1978**, 15, 887-97	56.2	259

152	Pioneer factors govern super-enhancer dynamics in stem cell plasticity and lineage choice. *Nature*, **2015**, 521, 366-70	50.4	255
151	Planar polarization in embryonic epidermis orchestrates global asymmetric morphogenesis of hair follicles. *Nature Cell Biology*, **2008**, 10, 1257-68	23.4	255
150	Inflammatory memory sensitizes skin epithelial stem cells to tissue damage. *Nature*, **2017**, 550, 475-480	50.4	249
149	Paracrine TGF-β signaling counterbalances BMP-mediated repression in hair follicle stem cell activation. *Cell Stem Cell*, **2012**, 10, 63-75	18	246
148	Desmoplakin is essential in epidermal sheet formation. *Nature Cell Biology*, **2001**, 3, 1076-85	23.4	243
147	Tcf3 governs stem cell features and represses cell fate determination in skin. *Cell*, **2006**, 127, 171-83	56.2	238
146	At the roots of a never-ending cycle. *Developmental Cell*, **2001**, 1, 13-25	10.2	233
145	p120-catenin mediates inflammatory responses in the skin. *Cell*, **2006**, 124, 631-44	56.2	231
144	Catenins: keeping cells from getting their signals crossed. *Developmental Cell*, **2006**, 11, 601-12	10.2	230
143	A role for the primary cilium in Notch signaling and epidermal differentiation during skin development. *Cell*, **2011**, 145, 1129-41	56.2	229
142	A family business: stem cell progeny join the niche to regulate homeostasis. *Nature Reviews Molecular Cell Biology*, **2012**, 13, 103-14	48.7	225
141	Loss of a quiescent niche but not follicle stem cells in the absence of bone morphogenetic protein signaling. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 10063-8	11.5	224
140	Identification of stem cell populations in sweat glands and ducts reveals roles in homeostasis and wound repair. *Cell*, **2012**, 150, 136-50	56.2	218
139	ACF7 regulates cytoskeletal-focal adhesion dynamics and migration and has ATPase activity. *Cell*, **2008**, 135, 137-48	56.2	218
138	Cancer. TERT promoter mutations and telomerase reactivation in urothelial cancer. *Science*, **2015**, 347, 1006-10	33.3	214
137	Transit-amplifying cells orchestrate stem cell activity and tissue regeneration. *Cell*, **2014**, 157, 935-49	56.2	211
136	Loss of TGFbeta signaling destabilizes homeostasis and promotes squamous cell carcinomas in stratified epithelia. *Cancer Cell*, **2007**, 12, 313-27	24.3	210
135	Defining BMP functions in the hair follicle by conditional ablation of BMP receptor IA. *Journal of Cell Biology*, **2003**, 163, 609-23	7.3	204

134	Tumor-initiating stem cells of squamous cell carcinomas and their control by TGF-β and integrin/focal adhesion kinase (FAK) signaling. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 10544-9	11.5	196
133	Focal adhesion kinase modulates tension signaling to control actin and focal adhesion dynamics. *Journal of Cell Biology*, **2007**, 176, 667-80	7.3	192
132	Skin and Its Regenerative Powers: An Alliance between Stem Cells and Their Niche. *Developmental Cell*, **2017**, 43, 387-401	10.2	190
131	DGCR8-dependent microRNA biogenesis is essential for skin development. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 498-502	11.5	190
130	Translation from unconventional 5Sstart sites drives tumour initiation. *Nature*, **2017**, 541, 494-499	50.4	185
129	Direct in vivo RNAi screen unveils myosin IIa as a tumor suppressor of squamous cell carcinomas. *Science*, **2014**, 343, 309-13	33.3	185
128	More than one way to skin . .. *Genes and Development*, **2008**, 22, 976-85	12.6	179
127	Wnt some lose some: transcriptional governance of stem cells by Wnt/β-catenin signaling. *Genes and Development*, **2014**, 28, 1517-32	12.6	175
126	Remarkable conservation of structure among intermediate filament genes. *Cell*, **1984**, 39, 491-8	56.2	175
125	Inhibition of skin development by targeted expression of a dominant-negative retinoic acid receptor. *Nature*, **1995**, 374, 159-62	50.4	166
124	Tcf3 and Tcf4 are essential for long-term homeostasis of skin epithelia. *Nature Genetics*, **2009**, 41, 1068-75	38.3	165
123	Stem Cell Lineage Infidelity Drives Wound Repair and Cancer. *Cell*, **2017**, 169, 636-650.e14	56.2	161
122	Conditional targeting of E-cadherin in skin: insights into hyperproliferative and degenerative responses. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 552-7	11.5	160
121	Genome-wide maps of histone modifications unwind in vivo chromatin states of the hair follicle lineage. *Cell Stem Cell*, **2011**, 9, 219-32	18	159
120	Desmoplakin: an unexpected regulator of microtubule organization in the epidermis. *Journal of Cell Biology*, **2007**, 176, 147-54	7.3	151
119	The cytoskeleton and disease: genetic disorders of intermediate filaments. *Annual Review of Genetics*, **1996**, 30, 197-231	14.5	151
118	The harmonies played by TGF-β in stem cell biology. *Cell Stem Cell*, **2012**, 11, 751-64	18	145
117	Epithelial-Mesenchymal Micro-niches Govern Stem Cell Lineage Choices. *Cell*, **2017**, 169, 483-496.e13	56.2	142

116	Specific microRNAs are preferentially expressed by skin stem cells to balance self-renewal and early lineage commitment. *Cell Stem Cell*, **2011**, 8, 294-308	18	142
115	Skin stem cells orchestrate directional migration by regulating microtubule-ACF7 connections through GSK3 *Cell*, **2011**, 144, 341-52	56.2	140
114	Epidermolysis bullosa simplex: a paradigm for disorders of tissue fragility. *Journal of Clinical Investigation*, **2009**, 119, 1784-93	15.9	139
113	In vivo transcriptional governance of hair follicle stem cells by canonical Wnt regulators. *Nature Cell Biology*, **2014**, 16, 179-90	23.4	135
112	Rapid functional dissection of genetic networks via tissue-specific transduction and RNAi in mouse embryos. *Nature Medicine*, **2010**, 16, 821-7	50.5	135
111	Isolation and culture of epithelial stem cells. *Methods in Molecular Biology*, **2009**, 482, 215-32	1.4	133
110	What does the concept of the stem cell niche really mean today?. *BMC Biology*, **2012**, 10, 19	7.3	131
109	Finding one s niche in the skin. *Cell Stem Cell*, **2009**, 4, 499-502	18	130
108	SOX9: a stem cell transcriptional regulator of secreted niche signaling factors. *Genes and Development*, **2014**, 28, 328-41	12.6	127
107	Developmental roles for Srf, cortical cytoskeleton and cell shape in epidermal spindle orientation. *Nature Cell Biology*, **2011**, 13, 203-14	23.4	127
106	Hedgehog signaling regulates the generation of ameloblast progenitors in the continuously growing mouse incisor. *Development (Cambridge)*, **2010**, 137, 3753-61	6.6	126
105	Impaired Epidermal to Dendritic T Cell Signaling Slows Wound Repair in Aged Skin. *Cell*, **2016**, 167, 1323-1338.e14	36.2	124
104	RNAi screens in mice identify physiological regulators of oncogenic growth. *Nature*, **2013**, 501, 185-90	50.4	117
103	A matter of life and death: self-renewal in stem cells. *EMBO Reports*, **2013**, 14, 39-48	6.5	117
102	NFIB is a governor of epithelial-melanocyte stem cell behaviour in a shared niche. *Nature*, **2013**, 495, 98-102	50.4	116
101	Epidermal differentiation and keratin gene expression. *Journal of Cell Science*, **1993**, 17, 197-208	5.3	115
100	Adaptive Immune Resistance Emerges from Tumor-Initiating Stem Cells. *Cell*, **2019**, 177, 1172-1186.e14	56.2	108
99	Progressive kidney degeneration in mice lacking tensin. *Journal of Cell Biology*, **1997**, 136, 1349-61	7.3	108

98	Links between alpha-catenin, NF-kappaB, and squamous cell carcinoma in skin. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 2322-7	11.5	108
97	A signaling pathway involving TGF-beta2 and snail in hair follicle morphogenesis. *PLoS Biology*, **2005**, 3, e11	9.7	108
96	Mitotic internalization of planar cell polarity proteins preserves tissue polarity. *Nature Cell Biology*, **2011**, 13, 893-902	23.4	106
95	Nfatc1 orchestrates aging in hair follicle stem cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E4950-9	11.5	104
94	Two to Tango: Dialog between Immunity and Stem Cells in Health and Disease. *Cell*, **2018**, 175, 908-920	56.2	104
93	BMP signaling and its pSMAD1/5 target genes differentially regulate hair follicle stem cell lineages. *Cell Stem Cell*, **2014**, 15, 619-33	18	103
92	WNT-SHH Antagonism Specifies and Expands Stem Cells prior to Niche Formation. *Cell*, **2016**, 164, 156-169	56.2	102
91	WNT Signaling in Cancer Immunosurveillance. *Trends in Cell Biology*, **2019**, 29, 44-65	18.3	102
90	Insights into the biological functions of Dock family guanine nucleotide exchange factors. *Genes and Development*, **2014**, 28, 533-47	12.6	99
89	New insights into cadherin function in epidermal sheet formation and maintenance of tissue integrity. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 15405-10	11.5	97
88	Par3-mInsc and G□ cooperate to promote oriented epidermal cell divisions through LGN. *Nature Cell Biology*, **2014**, 16, 758-69	23.4	95
87	Sweat gland progenitors in development, homeostasis, and wound repair. *Cold Spring Harbor Perspectives in Medicine*, **2014**, 4,	5.4	90
86	FOXC1 maintains the hair follicle stem cell niche and governs stem cell quiescence to preserve long-term tissue-regenerating potential. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E1506-15	11.5	88
85	Stretching the limits: from homeostasis to stem cell plasticity in wound healing and cancer. *Nature Reviews Genetics*, **2018**, 19, 311-325	30.1	87
84	Function of Wnt/□-catenin in counteracting Tcf3 repression through the Tcf3-□-catenin interaction. *Development (Cambridge)*, **2012**, 139, 2118-29	6.6	85
83	Trained immunity, tolerance, priming and differentiation: distinct immunological processes. *Nature Immunology*, **2021**, 22, 2-6	19.1	85
82	Epithelial Skin Biology: Three Decades of Developmental Biology, a Hundred Questions Answered and a Thousand New Ones to Address. *Current Topics in Developmental Biology*, **2016**, 116, 357-74	5.3	82
81	An RNA interference screen uncovers a new molecule in stem cell self-renewal and long-term regeneration. *Nature*, **2012**, 485, 104-8	50.4	82

80	Liquid-liquid phase separation drives skin barrier formation. *Science*, **2020**, 367,	33.3	81
79	Oriented divisions, fate decisions. *Current Opinion in Cell Biology*, **2013**, 25, 749-58	9	80
78	MicroRNAs and their roles in mammalian stem cells. *Journal of Cell Science*, **2011**, 124, 1775-83	5.3	79
77	Spatiotemporal antagonism in mesenchymal-epithelial signaling in sweat versus hair fate decision. *Science*, **2016**, 354,	33.3	75
76	Ferreting out stem cells from their niches. *Nature Cell Biology*, **2011**, 13, 513-8	23.4	72
75	Forces generated by cell intercalation tow epidermal sheets in mammalian tissue morphogenesis. *Developmental Cell*, **2014**, 28, 617-32	10.2	71
74	Distinct modes of cell competition shape mammalian tissue morphogenesis. *Nature*, **2019**, 569, 497-502	50.4	69
73	AP-2 factors act in concert with Notch to orchestrate terminal differentiation in skin epidermis. *Journal of Cell Biology*, **2008**, 183, 37-48	7.3	69
72	Architectural niche organization by LHX2 is linked to hair follicle stem cell function. *Cell Stem Cell*, **2013**, 13, 314-27	18	64
71	A role for alphabeta1 integrins in focal adhesion function and polarized cytoskeletal dynamics. *Developmental Cell*, **2003**, 5, 415-27	10.2	64
70	Cyfip1 is a putative invasion suppressor in epithelial cancers. *Cell*, **2009**, 137, 1047-61	56.2	63
69	Sept4/ARTS regulates stem cell apoptosis and skin regeneration. *Science*, **2013**, 341, 286-9	33.3	62
68	Tissue patterning and cellular mechanics. *Journal of Cell Biology*, **2015**, 211, 219-31	7.3	59
67	A novel two-step genome editing strategy with CRISPR-Cas9 provides new insights into telomerase action and TERT gene expression. *Genome Biology*, **2015**, 16, 231	18.3	58
66	Coupling organelle inheritance with mitosis to balance growth and differentiation. *Science*, **2017**, 355,	33.3	56
65	The human CIB1-EVER1-EVER2 complex governs keratinocyte-intrinsic immunity to papillomaviruses. *Journal of Experimental Medicine*, **2018**, 215, 2289-2310	16.6	56
64	Chronic centrosome amplification without tumorigenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E6321-30	11.5	53
63	Temporal Layering of Signaling Effectors Drives Chromatin Remodeling during Hair Follicle Stem Cell Lineage Progression. *Cell Stem Cell*, **2018**, 22, 398-413.e7	18	53

62	Stem cell-driven lymphatic remodeling coordinates tissue regeneration. *Science*, **2019**, 366, 1218-1225	33.3	53
61	Governing epidermal homeostasis by coupling cell-cell adhesion to integrin and growth factor signaling, proliferation, and apoptosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 4886-91	11.5	49
60	miR-125b can enhance skin tumor initiation and promote malignant progression by repressing differentiation and prolonging cell survival. *Genes and Development*, **2014**, 28, 2532-46	12.6	48
59	Spindle orientation and epidermal morphogenesis. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2013**, 368, 20130016	5.8	48
58	ETS family transcriptional regulators drive chromatin dynamics and malignancy in squamous cell carcinomas. *ELife*, **2015**, 4, e10870	8.9	47
57	Wdr1-mediated cell shape dynamics and cortical tension are essential for epidermal planar cell polarity. *Nature Cell Biology*, **2015**, 17, 592-604	23.4	44
56	Stem cells: Aging and transcriptional fingerprints. *Journal of Cell Biology*, **2018**, 217, 79-92	7.3	44
55	Tissue Stem Cells: Architects of Their Niches. *Cell Stem Cell*, **2020**, 27, 532-556	18	44
54	Sgk3 links growth factor signaling to maintenance of progenitor cells in the hair follicle. *Journal of Cell Biology*, **2005**, 170, 559-70	7.3	43
53	Translation of dipeptide repeat proteins from the C9ORF72 expanded repeat is associated with cellular stress. *Neurobiology of Disease*, **2018**, 116, 155-165	7.5	43
52	Strand-specific in vivo screen of cancer-associated miRNAs unveils a role for miR-21(*) in SCC progression. *Nature Cell Biology*, **2016**, 18, 111-21	23.4	42
51	The Yin and Yang of Chromatin Dynamics In Stem Cell Fate Selection. *Trends in Genetics*, **2016**, 32, 89-100	8.5	38
50	Mechanics of a multilayer epithelium instruct tumour architecture and function. *Nature*, **2020**, 585, 433-439	50.4	38
49	Epidermal development, growth control, and homeostasis in the face of centrosome amplification. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E6311-20	11.5	36
48	Epithelial cells: liaisons of immunity. *Current Opinion in Immunology*, **2020**, 62, 45-53	7.8	36
47	Extracellular serine controls epidermal stem cell fate and tumour initiation. *Nature Cell Biology*, **2020**, 22, 779-790	23.4	33
46	The aging skin microenvironment dictates stem cell behavior. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 5339-5350	11.5	32
45	Mice in the world of stem cell biology. *Nature Genetics*, **2005**, 37, 1201-6	36.3	29

44	Comparison of REST cistromes across human cell types reveals common and context-specific functions. *PLoS Computational Biology*, **2014**, 10, e1003671	5	27
43	Stem cells repurpose proliferation to contain a breach in their niche barrier. *ELife*, **2018**, 7,	8.9	27
42	Myelin formation by Schwann cells in the absence of beta4 integrin. *Glia*, **1999**, 27, 269-74	9	21
41	Adult stem cells and regenerative medicine-a symposium report. *Annals of the New York Academy of Sciences*, **2020**, 1462, 27-36	6.5	20
40	Skin Stem Cells in Silence, Action, and Cancer. *Stem Cell Reports*, **2018**, 10, 1432-1438	8	19
39	The nature and significance of differential keratin gene expression. *Annals of the New York Academy of Sciences*, **1985**, 455, 436-50	6.5	19
38	A decade of molecular cell biology: achievements and challenges. *Nature Reviews Molecular Cell Biology*, **2011**, 12, 669-74	48.7	18
37	A Presenilin-2-ARF4 trafficking axis modulates Notch signaling during epidermal differentiation. *Journal of Cell Biology*, **2016**, 214, 89-101	7.3	16
36	RNAi-mediated gene function analysis in skin. *Methods in Molecular Biology*, **2013**, 961, 351-61	1.4	16
35	Keratin genes, epidermal differentiation and animal models for the study of human skin diseases. *Biochemical Society Transactions*, **1991**, 19, 1112-5	5.1	16
34	NFI transcription factors provide chromatin access to maintain stem cell identity while preventing unintended lineage fate choices. *Nature Cell Biology*, **2020**, 22, 640-650	23.4	14
33	Establishment, maintenance, and recall of inflammatory memory. *Cell Stem Cell*, **2021**, 28, 1758-1774.e8	18	14
32	A miR image of stem cells and their lineages. *Current Topics in Developmental Biology*, **2012**, 99, 175-99	5.3	12
31	Structure of the ACF7 EF-Hand-GAR Module and Delineation of Microtubule Binding Determinants. *Structure*, **2017**, 25, 1130-1138.e6	5.2	11
30	The cellular basis of mechanosensory Merkel-cell innervation during development. *ELife*, **2019**, 8,	8.9	11
29	Cell biology: More than skin deep. *Journal of Cell Biology*, **2015**, 209, 629-31	7.3	10
28	Progenitors oppositely polarize WNT activators and inhibitors to orchestrate tissue development. *ELife*, **2020**, 9,	8.9	10
27	The impact of cell culture on stem cell research. *Cell Stem Cell*, **2012**, 10, 640-641	18	9

26	m6A RNA methylation impacts fate choices during skin morphogenesis. *ELife*, **2020**, 9,	8.9	9
25	Inflammatory adaptation in barrier tissues. *Cell*, **2021**, 184, 3361-3375	56.2	6
24	LIM Homeobox Domain 2 Is Required for Corneal Epithelial Homeostasis. *Stem Cells*, **2016**, 34, 493-503	5.8	5
23	High Throughput strategies Aimed at Closing the GAP in Our Knowledge of Rho GTPase Signaling. *Cells*, **2020**, 9,	7.9	4
22	Stem cells expand potency and alter tissue fitness by accumulating diverse epigenetic memories. *Science*, **2021**, 374, eabh2444	33.3	4
21	An RNAi screen unravels the complexities of Rho GTPase networks in skin morphogenesis. *ELife*, **2019**, 8,	8.9	4
20	BMP signaling: at the gate between activated melanocyte stem cells and differentiation. *Genes and Development*, **2020**, 34, 1713-1734	12.6	4
19	Dietary interventions as regulators of stem cell behavior in homeostasis and disease. *Genes and Development*, **2021**, 35, 199-211	12.6	4
18	Cédric Blanpain: ISSCR's outstanding young investigator for 2012. *Cell Stem Cell*, **2012**, 10, 751-752	18	3
17	Author response: An RNAi screen unravels the complexities of Rho GTPase networks in skin morphogenesis **2019**,		2
16	A Metabolic Bottleneck for Stem Cell Transformation. *Cell*, **2020**, 182, 1377-1378	56.2	2
15	Environmental control of lineage plasticity and stem cell memory. *Current Opinion in Cell Biology*, **2021**, 69, 88-95	9	2
14	Susan Lee Lindquist (1949-2016). *Molecular Cell*, **2016**, 64, 851-853	17.6	2
13	Desmoplakin maintains transcellular keratin scaffolding and protects from intestinal injury.. *Cellular and Molecular Gastroenterology and Hepatology*, **2021**,	7.9	2
12	Lymphatics act as a signaling hub to regulate intestinal stem cell activity. *Cell Stem Cell*, **2022**,	18	2
11	Architectural Niche Organization by LHX2 is Linked to Hair Follicle Stem Cell Function. *Microscopy and Microanalysis*, **2014**, 20, 1382-1383	0.5	1
10	Epithelial Hair Follicle Stem Cells **2009**, 189-197		1
9	Skin Cancers and the Contribution of Rho GTPase Signaling Networks to Their Progression. *Cancers*, **2021**, 13,	6.6	1

List of Publications

8	Highly efficient manipulation of nervous system gene expression with NEPTUNE. *Cell Reports Methods*, **2021**, 1, 100043-100043	1
7	An unconventional route to becoming a cell biologist. *Molecular Biology of the Cell*, **2015**, 26, 3697-9	3.5
6	Reflections of an ISSCR president, 2010-2011. *Cell Stem Cell*, **2011**, 8, 629-30	18
5	Building confidence: the transition from student to professor. *Nature Cell Biology*, **2009**, 11, 786	23.4
4	Stem cells and morphogenesis. *FASEB Journal*, **2007**, 21, A44	0.9
3	Skin stem cells: rising to the surface. *Journal of Experimental Medicine*, **2008**, 205, i5-i5	16.6
2	Stem Cells: Biology, Ethics and potential for Medicine. *L'annuaire Du Collège De France*, **2008**, 897-902	0.2
1	Stem cell progeny liaisons in regeneration. *Nature Cell Biology*, **2021**, 23, 932-933	23.4