Elaine Fuchs

List of Publications by Year
in descending order

209 papers	50,883 citations	872 116 h-index	1944 206 g-index
230 all docs	230 docs citations	230 times ranked	48074 citing authors

#	Article	IF	Citations
1	Defining the Epithelial Stem Cell Niche in Skin. Science, 2004, 303, 359-363.	20.9	1,899
2	Socializing with the Neighbors. Cell, 2004, 116, 769-778.	27.8	1,637
3	Defining trained immunity and its role in health and disease. Nature Reviews Immunology, 2020, 20, 375-388.	22.5	1,527
4	Self-Renewal, Multipotency, and the Existence of Two Cell Populations within an Epithelial Stem Cell Niche. Cell, 2004, 118, 635-648.	27.8	1,316
5	De Novo Hair Follicle Morphogenesis and Hair Tumors in Mice Expressing a Truncated Î²-Catenin in Skin. Cell, 1998, 95, 605-614.	27.8	1,307
6	Epidermal homeostasis: a balancing act of stem cells in the skin. Nature Reviews Molecular Cell Biology, 2009, 10, 207-217.	37.3	1,102
7	Directed Actin Polymerization Is the Driving Force for Epithelial Cellâ€“Cell Adhesion. Cell, 2000, 100, 209-219.	27.8	1,079
8	Changes in keratin gene expression during terminal differentiation of the keratinocyte. Cell, 1980, 19, 1033-1042.	27.8	1,046
9	Asymmetric cell divisions promote stratification and differentiation of mammalian skin. Nature, 2005, 437, 275-280.	36.2	904
10	A common human skin tumour is caused by activating mutations in Î²-catenin. Nature Genetics, 1999, 21, 410-413.	20.4	852
11	Scratching the surface of skin development. Nature, 2007, 445, 834-842.	36.2	802
12	A skin microRNA promotes differentiation by repressing â€˜stemnessâ€™. Nature, 2008, 452, 225-229.	36.2	737
13	Klf4 is a transcription factor required for establishing the barrier function of the skin. Nature Genetics, 1999, 22, 356-360.	20.4	726
14	Epidermal Stem Cells of the Skin. Annual Review of Cell and Developmental Biology, 2006, 22, 339-373.	9.4	712
15	A Two-Step Mechanism for Stem Cell Activation during Hair Regeneration. Cell Stem Cell, 2009, 4, 155-169.	11.0	697
16	Getting under the skin of epidermal morphogenesis. Nature Reviews Genetics, 2002, 3, 199-209.	16.7	695
17	Sticky Business. Cell, 2003, 112, 535-548.	27.8	682
18	A Role for Skin Î³Î´ T Cells in Wound Repair. Science, 2002, 296, 747-749.	20.9	595

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19	Ezh2 Orchestrates Gene Expression for the Stepwise Differentiation of Tissue-Specific Stem Cells. Cell, 2009, 136, 1122-1135.	27.8	562
20	Dynamics between Stem Cells, Niche, and Progeny in the Hair Follicle. Cell, 2011, 144, 92-105.	27.8	544
21	Links between signal transduction, transcription and adhesion in epithelial bud development. Nature, 2003, 422, 317-322.	36.2	542
22	Morphogenesis in skin is governed by discrete sets of differentially expressed microRNAs. Nature Genetics, 2006, 38, 356-362.	20.4	522
23	Epithelial Stem Cells: Turning over New Leaves. Cell, 2007, 128, 445-458.	27.8	520
24	Hair Follicle Stem Cells Are Specified and Function in Early Skin Morphogenesis. Cell Stem Cell, 2008, 3, 33-43.	11.0	518
25	Tcf3 and Lef1 regulate lineage differentiation of multipotent stem cells in skin. Genes and Development, 2001, 15, 1688-1705.	5.9	512
26	Emerging interactions between skin stem cells and their niches. Nature Medicine, 2014, 20, 847-856.	30.1	493
27	Inflammatory memory sensitizes skin epithelial stem cells to tissue damage. Nature, 2017, 550, 475-480.	36.2	487
28	Plasticity of epithelial stem cells in tissue regeneration. Science, 2014, 344, 1242281.	20.9	481
29	Mutant keratin expression in transgenic mice causes marked abnormalities resembling a human genetic skin disease. Cell, 1991, 64, 365-380.	27.8	426
30	Hyperproliferation and Defects in Epithelial Polarity upon Conditional Ablation of Î±-Catenin in Skin. Cell, 2001, 104, 605-617.	27.8	420
31	TGF-Î² Promotes Heterogeneity and Drug Resistance in Squamous Cell Carcinoma. Cell, 2015, 160, 963-976.	27.8	413
32	Molecular Dissection of Mesenchymalâ€“Epithelial Interactions in the Hair Follicle. PLoS Biology, 2005, 3, e331.	5.4	409
33	Blimp1 Defines a Progenitor Population that Governs Cellular Input to the Sebaceous Gland. Cell, 2006, 126, 597-609.	27.8	401
34	Skin stem cells: rising to the surface. Journal of Cell Biology, 2008, 180, 273-284.	5.2	390
35	NFATc1 Balances Quiescence and Proliferation of Skin Stem Cells. Cell, 2008, 132, 299-310.	27.8	387
36	Keratins and the Skin. Annual Review of Cell and Developmental Biology, 1995, 11, 123-154.	9.4	383

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37	Canonical notch signaling functions as a commitment switch in the epidermal lineage. Genes and Development, 2006, 20, 3022-3035.	5.9	380
38	BMP signaling in dermal papilla cells is required for their hair follicle-inductive properties. Genes and Development, 2008, 22, 543-557.	5.9	376
39	Asymmetric cell divisions promote Notch-dependent epidermal differentiation. Nature, 2011, 470, 353-358.	36.2	370
40	Conditional Ablation of Î²1 Integrin in Skin. Journal of Cell Biology, 2000, 150, 1149-1160.	5.2	366
41	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, 2270-2275.	7.6	363
42	Pioneer factors govern super-enhancer dynamics in stem cell plasticity and lineage choice. Nature, 2015, 521, 366-370.	36.2	361
43	The Tortoise and the Hair: Slow-Cycling Cells in the Stem Cell Race. Cell, 2009, 137, 811-819.	27.8	358
44	Defining the impact of Â-catenin/Tcf transactivation on epithelial stem cells. Genes and Development, 2005, 19, 1596-1611.	5.9	352
45	DNA Methylation Dynamics during InÂVivo Differentiation of Blood and Skin Stem Cells. Molecular Cell, 2012, 47, 633-647.	9.6	345
46	The cDNA sequence of a type II cytoskeletal keratin reveals constant and variable structural domains among keratins. Cell, 1983, 33, 915-924.	27.8	341
47	The genetic basis of epidermolytic hyperkeratosis: A disorder of differentiation-specific epidermal keratin genes. Cell, 1992, 70, 811-819.	27.8	339
48	EZH1 and EZH2 cogovern histone H3K27 trimethylation and are essential for hair follicle homeostasis and wound repair. Genes and Development, 2011, 25, 485-498.	5.9	337
49	Skin and Its Regenerative Powers: An Alliance between Stem Cells and Their Niche. Developmental Cell, 2017, 43, 387-401.	7.0	332
50	Trained immunity, tolerance, priming and differentiation: distinct immunological processes. Nature Immunology, 2021, 22, 2-6.	13.9	331
51	Paracrine TGF-Î² Signaling Counterbalances BMP-Mediated Repression in Hair Follicle Stem Cell Activation. Cell Stem Cell, 2012, 10, 63-75.	11.0	329
52	Actin Cable Dynamics and Rho/Rock Orchestrate a Polarized Cytoskeletal Architecture in the Early Steps of Assembling a Stratified Epithelium. Developmental Cell, 2002, 3, 367-381.	7.0	323
53	Transit-Amplifying Cells Orchestrate Stem Cell Activity and Tissue Regeneration. Cell, 2014, 157, 935-949.	27.8	321
54	The cDNA sequence of a human epidermal keratin: Divergence of sequence but conservation of structure among intermediate filament proteins. Cell, 1982, 31, 243-252.	27.8	318

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55	GATA-3: an unexpected regulator of cell lineage determination in skin. Genes and Development, 2003, 17, 2108-2122.	5.9	303
56	Stem cells in the skin: waste not, Wnt not. Genes and Development, 2003, 17, 1189-1200.	5.9	299
57	Planar polarization in embryonic epidermis orchestrates global asymmetric morphogenesis of hair follicles. Nature Cell Biology, 2008, 10, 1257-1268.	10.0	298
58	Translation from unconventional 5â€² start sites drives tumour initiation. Nature, 2017, 541, 494-499.	36.2	292
59	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, 10063-10068.	7.6	287
60	The expression of keratin genes in epidermis and cultured epidermal cells. Cell, 1978, 15, 887-897.	27.8	284
61	Desmoplakin is essential in epidermal sheet formation. Nature Cell Biology, 2001, 3, 1076-1085.	10.0	279
62	Stem Cell Lineage Infidelity Drives Wound Repair and Cancer. Cell, 2017, 169, 636-650.e14.	27.8	275
63	A Role for the Primary Cilium in Notch Signaling and Epidermal Differentiation during Skin Development. Cell, 2011, 145, 1129-1141.	27.8	272
64	Identification of Stem Cell Populations in Sweat Glands and Ducts Reveals Roles in Homeostasis and Wound Repair. Cell, 2012, 150, 136-150.	27.8	272
65	A family business: stem cell progeny join the niche to regulate homeostasis. Nature Reviews Molecular Cell Biology, 2012, 13, 103-114.	37.3	272
66	Tcf3 Governs Stem Cell Features and Represses Cell Fate Determination in Skin. Cell, 2006, 127, 171-183.	27.8	265
67	Catenins: Keeping Cells from Getting Their Signals Crossed. Developmental Cell, 2006, 11, 601-612.	7.0	258
68	At the Roots of a Never-Ending Cycle. Developmental Cell, 2001, 1, 13-25.	7.0	255
69	p120-Catenin Mediates Inflammatory Responses in the Skin. Cell, 2006, 124, 631-644.	27.8	255
70	ACF7 Regulates Cytoskeletal-Focal Adhesion Dynamics and Migration and Has ATPase Activity. Cell, 2008, 135, 137-148.	27.8	255
71	Loss of TGFÎ² Signaling Destabilizes Homeostasis and Promotes Squamous Cell Carcinomas in Stratified Epithelia. Cancer Cell, 2007, 12, 313-327.	16.8	250
72	Tumor-initiating stem cells of squamous cell carcinomas and their control by TGF-Î² and integrin/focal adhesion kinase (FAK) signaling. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10544-10549.	7.6	248

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73	Defining BMP functions in the hair follicle by conditional ablation of BMP receptor IA. Journal of Cell Biology, 2003, 163, 609-623.	5.2	235
74	Wnt some lose some: transcriptional governance of stem cells by Wnt/Î²-catenin signaling. Genes and Development, 2014, 28, 1517-1532.	5.9	221
75	Epithelial-Mesenchymal Micro-niches Govern Stem Cell Lineage Choices. Cell, 2017, 169, 483-496.e13.	27.8	220
76	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.	7.6	219
77	Focal adhesion kinase modulates tension signaling to control actin and focal adhesion dynamics. Journal of Cell Biology, 2007, 176, 667-680.	5.2	215
78	Adaptive Immune Resistance Emerges from Tumor-Initiating Stem Cells. Cell, 2019, 177, 1172-1186.e14.	27.8	214
79	Impaired Epidermal to Dendritic T Cell Signaling Slows Wound Repair in Aged Skin. Cell, 2016, 167, 1323-1338.e14.	27.8	197
80	Rapid functional dissection of genetic networks via tissue-specific transduction and RNAi in mouse embryos. Nature Medicine, 2010, 16, 821-827.	30.1	195
81	More than one way to skin . . .. Genes and Development, 2008, 22, 976-985.	5.9	193
82	Specific MicroRNAs Are Preferentially Expressed by Skin Stem Cells To Balance Self-Renewal and Early Lineage Commitment. Cell Stem Cell, 2011, 8, 294-308.	11.0	188
83	Genome-wide Maps of Histone Modifications Unwind InÂVivo Chromatin States of the Hair Follicle Lineage. Cell Stem Cell, 2011, 9, 219-232.	11.0	188
84	Tcf3 and Tcf4 are essential for long-term homeostasis of skin epithelia. Nature Genetics, 2009, 41, 1068-1075.	20.4	186
85	InÂvivo transcriptional governance of hair follicle stem cells by canonical Wnt regulators. Nature Cell Biology, 2014, 16, 179-190.	10.0	186
86	Two to Tango: Dialog between Immunity and Stem Cells in Health and Disease. Cell, 2018, 175, 908-920.	27.8	186
87	Skin Stem Cells Orchestrate Directional Migration by Regulating Microtubule-ACF7 Connections through GSK3Î². Cell, 2011, 144, 341-352.	27.8	181
88	SOX9: a stem cell transcriptional regulator of secreted niche signaling factors. Genes and Development, 2014, 28, 328-341.	5.9	181
89	Remarkable conservation of structure among intermediate filament genes. Cell, 1984, 39, 491-498.	27.8	180
90	Epidermolysis bullosa simplex: a paradigm for disorders of tissue fragility. Journal of Clinical Investigation, 2009, 119, 1784-1793.	8.2	178

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91	WNT Signaling in Cancer Immunosurveillance. Trends in Cell Biology, 2019, 29, 44-65.	8.1	178
92	Desmoplakin: an unexpected regulator of microtubule organization in the epidermis. Journal of Cell Biology, 2007, 176, 147-154.	5.2	177
93	Inhibition of skin development by targeted expression of a dominant-negative retinoic acid receptor. Nature, 1995, 374, 159-162.	36.2	173
94	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, 552-557.	7.6	172
95	Isolation and Culture of Epithelial Stem Cells. Methods in Molecular Biology, 2009, 482, 215-232.	0.0	171
96	THE CYTOSKELETON AND DISEASE: Genetic Disorders of Intermediate Filaments. Annual Review of Genetics, 1996, 30, 197-231.	7.8	170
97	The Harmonies Played by TGF-Î² in Stem Cell Biology. Cell Stem Cell, 2012, 11, 751-764.	11.0	166
98	Tissue Stem Cells: Architects of Their Niches. Cell Stem Cell, 2020, 27, 532-556.	11.0	164
99	<i>Nfatc1</i> orchestrates aging in hair follicle stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4950-9.	7.6	158
100	Hedgehog signaling regulates the generation of ameloblast progenitors in the continuously growing mouse incisor. Development (Cambridge), 2010, 137, 3753-3761.	2.6	156
101	What does the concept of the stem cell niche really mean today?. BMC Biology, 2012, 10, 19.	3.9	156
102	A matter of life and death: selfâ€renewal in stem cells. EMBO Reports, 2013, 14, 39-48.	5.1	156
103	Developmental roles for Srf, cortical cytoskeleton and cell shape in epidermal spindle orientation. Nature Cell Biology, 2011, 13, 203-214.	10.0	154
104	BMP Signaling and Its pSMAD1/5 Target Genes Differentially Regulate Hair Follicle Stem Cell Lineages. Cell Stem Cell, 2014, 15, 619-633.	11.0	153
105	Liquid-liquid phase separation drives skin barrier formation. Science, 2020, 367, .	20.9	152
106	Finding One's Niche in the Skin. Cell Stem Cell, 2009, 4, 499-502.	11.0	151
107	A Signaling Pathway Involving TGF-Î²2 and Snail in Hair Follicle Morphogenesis. PLoS Biology, 2004, 3, e11.	5.4	149
108	RNAi screens in mice identify physiological regulators of oncogenic growth. Nature, 2013, 501, 185-190.	36.2	149

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109	NFIB is a governor of epithelialâ€"melanocyte stem cell behaviour in a shared niche. Nature, 2013, 495, 98-102.	36.2	148
110	WNT-SHH Antagonism Specifies and Expands Stem Cells prior to Niche Formation. Cell, 2016, 164, 156-169.	27.8	147
111	Spatiotemporal antagonism in mesenchymal-epithelial signaling in sweat versus hair fate decision. Science, 2016, 354, .	20.9	134
112	Stretching the limits: from homeostasis to stem cell plasticity in wound healing and cancer. Nature Reviews Genetics, 2018, 19, 311-325.	16.7	134
113	Stem cellâ€"driven lymphatic remodeling coordinates tissue regeneration. Science, 2019, 366, 1218-1225.	20.9	131
114	Sweat Gland Progenitors in Development, Homeostasis, and Wound Repair. Cold Spring Harbor Perspectives in Medicine, 2014, 4, a015222-a015222.	6.3	130
115	Par3â€"mInsc and GÎ±i3 cooperate to promote oriented epidermal cell divisions through LGN. Nature Cell Biology, 2014, 16, 758-769.	10.0	125
116	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.	7.6	125
117	Epithelial Skin Biology. Current Topics in Developmental Biology, 2016, 116, 357-374.	5.7	125
118	Epidermal differentiation and keratin gene expression. Journal of Cell Science, 1993, 1993, 197-208.	2.1	124
119	Mitotic internalization of planar cell polarity proteins preserves tissue polarity. Nature Cell Biology, 2011, 13, 893-902.	10.0	124
120	Establishment, maintenance, and recall of inflammatory memory. Cell Stem Cell, 2021, 28, 1758-1774.e8.	11.0	124
121	Distinct modes of cell competition shape mammalian tissue morphogenesis. Nature, 2019, 569, 497-502.	36.2	122
122	Links between Î±-catenin, NF-ÎºB, and squamous cell carcinoma in skin. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 2322-2327.	7.6	118
123	Progressive Kidney Degeneration in Mice Lacking Tensin. Journal of Cell Biology, 1997, 136, 1349-1361.	5.2	117
124	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, 15405-15410.	7.6	114
125	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.	7.6	114
126	Mechanics of a multilayer epithelium instruct tumour architecture and function. Nature, 2020, 585, 433-439.	36.2	108

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127	The human CIB1â€“EVER1â€“EVER2 complex governs keratinocyte-intrinsic immunity to Î²-papillomaviruses. Journal of Experimental Medicine, 2018, 215, 2289-2310.	8.8	102
128	Function of Wnt/Î²-catenin in counteracting Tcf3 repression through the Tcf3â€“Î²-catenin interaction. Development (Cambridge), 2012, 139, 2118-2129.	2.6	100
129	Coupling organelle inheritance with mitosis to balance growth and differentiation. Science, 2017, 355, .	20.9	100
130	Oriented divisions, fate decisions. Current Opinion in Cell Biology, 2013, 25, 749-758.	5.6	97
131	MicroRNAs and their roles in mammalian stem cells. Journal of Cell Science, 2011, 124, 1775-1783.	2.1	95
132	Translation of dipeptide repeat proteins from the C9ORF72 expanded repeat is associated with cellular stress. Neurobiology of Disease, 2018, 116, 155-165.	4.5	95
133	An RNA interference screen uncovers a new molecule in stem cell self-renewal and long-term regeneration. Nature, 2012, 485, 104-108.	36.2	94
134	p63: revving up epithelial stem-cell potential. Nature Cell Biology, 2007, 9, 731-733.	10.0	93
135	AP-2 factors act in concert with Notch to orchestrate terminal differentiation in skin epidermis. Journal of Cell Biology, 2008, 183, 37-48.	5.2	92
136	Temporal Layering of Signaling Effectors Drives Chromatin Remodeling during Hair Follicle Stem Cell Lineage Progression. Cell Stem Cell, 2018, 22, 398-413.e7.	11.0	90
137	Tissue patterning and cellular mechanics. Journal of Cell Biology, 2015, 211, 219-231.	5.2	88
138	Inflammatory memory and tissue adaptation in sickness and in health. Nature, 2022, 607, 249-255.	36.2	88
139	Architectural Niche Organization by LHX2 Is Linked to Hair Follicle Stem Cell Function. Cell Stem Cell, 2013, 13, 314-327.	11.0	87
140	Extracellular serine controls epidermal stem cell fate and tumour initiation. Nature Cell Biology, 2020, 22, 779-790.	10.0	87
141	Forces Generated by Cell Intercalation Tow Epidermal Sheets in Mammalian Tissue Morphogenesis. Developmental Cell, 2014, 28, 617-632.	7.0	81
142	Ferreting out stem cells from their niches. Nature Cell Biology, 2011, 13, 513-518.	10.0	80
143	Cyfip1 Is a Putative Invasion Suppressor in Epithelial Cancers. Cell, 2009, 137, 1047-1061.	27.8	78
144	Epithelial cells: liaisons of immunity. Current Opinion in Immunology, 2020, 62, 45-53.	5.2	78

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145	Chronic centrosome amplification without tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6321-30.	7.6	74
146	ETS family transcriptional regulators drive chromatin dynamics and malignancy in squamous cell carcinomas. ELife, 2015, 4, e10870.	5.9	72
147	A Role for Î±Î²1 Integrins in Focal Adhesion Function and Polarized Cytoskeletal Dynamics. Developmental Cell, 2003, 5, 415-427.	7.0	68
148	Stem cells expand potency and alter tissue fitness by accumulating diverse epigenetic memories. Science, 2021, 374, eabh2444.	20.9	66
149	NFI transcription factors provide chromatin access to maintain stem cell identity while preventing unintended lineage fate choices. Nature Cell Biology, 2020, 22, 640-650.	10.0	63
150	Spindle orientation and epidermal morphogenesis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20130016.	4.2	62
151	Wdr1-mediated cell shape dynamics and cortical tension are essential for epidermal planar cellÂpolarity. Nature Cell Biology, 2015, 17, 592-604.	10.0	61
152	Stem cells: Aging and transcriptional fingerprints. Journal of Cell Biology, 2018, 217, 79-92.	5.2	61
153	Lymphatics act as a signaling hub to regulate intestinal stem cell activity. Cell Stem Cell, 2022, 29, 1067-1082.e18.	11.0	61
154	Governing epidermal homeostasis by coupling cellâ€"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, 4886-4891.	7.6	55
155	<i>miR-125b</i> can enhance skin tumor initiation and promote malignant progression by repressing differentiation and prolonging cell survival. Genes and Development, 2014, 28, 2532-2546.	5.9	54
156	The Yin and Yang of Chromatin Dynamics In Stem Cell Fate Selection. Trends in Genetics, 2016, 32, 89-100.	6.9	53
157	Strand-specific in vivo screen of cancer-associated miRNAs unveils a role for miR-21â^— in SCC progression. Nature Cell Biology, 2016, 18, 111-121.	10.0	53
158	Sgk3 links growth factor signaling to maintenance of progenitor cells in the hair follicle. Journal of Cell Biology, 2005, 170, 559-570.	5.2	50
159	Inflammatory adaptation in barrier tissues. Cell, 2021, 184, 3361-3375.	27.8	49
160	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.	7.6	47
161	Comparison of REST Cistromes across Human Cell Types Reveals Common and Context-Specific Functions. PLoS Computational Biology, 2014, 10, e1003671.	3.1	44
162	Building and Maintaining the Skin. Cold Spring Harbor Perspectives in Biology, 2022, 14, a040840.	5.4	43

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163	Stem cells repurpose proliferation to contain a breach in their niche barrier. ELife, 2018, 7, .	5.9	42
164	BMP signaling: at the gate between activated melanocyte stem cells and differentiation. Genes and Development, 2020, 34, 1713-1734.	5.9	41
165	Mice in the world of stem cell biology. Nature Genetics, 2005, 37, 1201-1206.	20.4	36
166	A tissue injury sensing and repair pathway distinct from host pathogen defense. Cell, 2023, 186, 2127-2143.e22.	27.8	29
167	RNAi-Mediated Gene Function Analysis in Skin. Methods in Molecular Biology, 2013, 961, 351-361.	0.0	28
168	m6A RNA methylation impacts fate choices during skin morphogenesis. ELife, 2020, 9, .	5.9	28
169	Ras drives malignancy through stem cell crosstalk with the microenvironment. Nature, 2022, 612, 555-563.	36.2	27
170	The cellular basis of mechanosensory Merkel-cell innervation during development. ELife, 2019, 8, .	5.9	26
171	Skin Stem Cells in Silence, Action, and Cancer. Stem Cell Reports, 2018, 10, 1432-1438.	4.7	25
172	A Presenilin-2â€"ARF4 trafficking axis modulates Notch signaling during epidermal differentiation. Journal of Cell Biology, 2016, 214, 89-101.	5.2	24
173	A decade of molecular cell biology: achievements and challenges. Nature Reviews Molecular Cell Biology, 2011, 12, 669-674.	37.3	22
174	Myelin formation by Schwann cells in the absence of ?4 integrin. Glia, 1999, 27, 269-274.	5.3	21
175	Progenitors oppositely polarize WNT activators and inhibitors to orchestrate tissue development. ELife, 2020, 9, .	5.9	20
176	Dietary interventions as regulators of stem cell behavior in homeostasis and disease. Genes and Development, 2021, 35, 199-211.	5.9	19
177	Keratin genes, epidermal differentiation and animal models for the study of human skin diseases. Biochemical Society Transactions, 1991, 19, 1112-1115.	3.4	18
178	An eye to treating blindness. Nature, 2010, 466, 567-568.	36.2	18
179	Environmental control of lineage plasticity and stem cell memory. Current Opinion in Cell Biology, 2021, 69, 88-95.	5.6	18
180	A miR Image of Stem Cells and Their Lineages. Current Topics in Developmental Biology, 2012, 99, 175-199.	5.7	16

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181	Structure of the ACF7 EF-Hand-GAR Module and Delineation of Microtubule Binding Determinants. Structure, 2017, 25, 1130-1138.e6.	3.4	15
182	The pioneer factor SOX9 competes for epigenetic factors to switch stem cell fates. Nature Cell Biology, 2023, 25, 1185-1195.	10.0	14
183	The Impact of Cell Culture on Stem Cell Research. Cell Stem Cell, 2012, 10, 640-641.	11.0	13
184	Cell biology: More than skin deep. Journal of Cell Biology, 2015, 209, 629-632.	5.2	12
185	An RNAi screen unravels the complexities of Rho GTPase networks in skin morphogenesis. ELife, 2019, 8, .	5.9	10
186	Desmoplakin Maintains Transcellular Keratin Scaffolding and Protects From Intestinal Injury. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 1181-1200.	4.0	9
187	Universal recording of immune cell interactions in vivo. Nature, 2024, 627, 399-406.	36.2	8
188	Beyond genetics: driving cancer with the tumour microenvironment behind the wheel. Nature Reviews Cancer, 2024, 24, 274-286.	28.8	7
189	LIM Homeobox Domain 2 Is Required for Corneal Epithelial Homeostasis. Stem Cells, 2016, 34, 493-503.	3.6	5
190	The integrated stress response remodels the microtubule-organizing center to clear unfolded proteins following proteotoxic stress. ELife, 0, 11, .	5.9	5
191	CÃ©dric Blanpain: ISSCR's Outstanding Young Investigator for 2012. Cell Stem Cell, 2012, 10, 751-752.	11.0	4
192	Highly efficient manipulation of nervous system gene expression with NEPTUNE. Cell Reports Methods, 2021, 1, 100043.	3.0	3
193	Vitamin A resolves lineage plasticity to orchestrate stem cell lineage choices. Science, 2024, 383, .	20.9	3
194	Susan Lee Lindquist (1949â€“2016). Molecular Cell, 2016, 64, 851-853.	9.6	2
195	A Metabolic Bottleneck for Stem Cell Transformation. Cell, 2020, 182, 1377-1378.	27.8	2
196	Epithelial Hair Follicle Stem Cells. , 2009, , 189-197.		1
197	Architectural Niche Organization by LHX2 is Linked to Hair Follicle Stem Cell Function. Microscopy and Microanalysis, 2014, 20, 1382-1383.	0.4	1
198	Stem cell progeny liaisons in regeneration. Nature Cell Biology, 2021, 23, 932-933.	10.0	1

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