Fiona M Watt

List of Publications by Year
in descending order

354 papers	42,720 citations	1457 107 h-index	2736 192 g-index
384 all docs	384 docs citations	384 times ranked	43666 citing authors

#	ARTICLE	IF	CITATIONS
1	A framework for advancing our understanding of cancer-associated fibroblasts. Nature Reviews Cancer, 2020, 20, 174-186.	12.8	2,012
2	The Human Cell Atlas. ELife, 2017, 6, .	2.8	1,547
3	Extracellular-matrix tethering regulates stem-cell fate. Nature Materials, 2012, 11, 642-649.	13.3	1,346
4	Regulation of development and differentiation by the extracellular matrix. Development (Cambridge), 1993, 117, 1183-1198.	1.2	1,067
5	Separation of human epidermal stem cells from transit amplifying cells on the basis of differences in integrin function and expression. Cell, 1993, 73, 713-724.	13.5	1,057
6	Distinct fibroblast lineages determine dermal architecture in skin development and repair. Nature, 2013, 504, 277-281.	13.7	946
7	Autophagy mediates the mitotic senescence transition. Genes and Development, 2009, 23, 798-803.	2.7	883
8	Stem cell patterning and fate in human epidermis. Cell, 1995, 80, 83-93.	13.5	758
9	Role of the extracellular matrix in regulating stem cell fate. Nature Reviews Molecular Cell Biology, 2013, 14, 467-473.	16.1	732
10	Lineage Tracing. Cell, 2012, 148, 33-45.	13.5	608
11	NEW EMBO MEMBER'S REVIEW: Role of integrins in regulating epidermal adhesion, growth and differentiation. EMBO Journal, 2002, 21, 3919-3926.	3.5	572
12	Apoptosis in mesenchymal stromal cells induces in vivo recipient-mediated immunomodulation. Science Translational Medicine, 2017, 9, .	5.8	512
13	Modulating the stem cell niche for tissue regeneration. Nature Biotechnology, 2014, 32, 795-803.	9.4	492
14	Common genetic variation drives molecular heterogeneity in human iPSCs. Nature, 2017, 546, 370-375.	13.7	491
15	Lrig1 Expression Defines a Distinct Multipotent Stem Cell Population in Mammalian Epidermis. Cell Stem Cell, 2009, 4, 427-439.	5.2	450
16	Genome-wide Generation and Systematic Phenotyping of Knockout Mice Reveals New Roles for Many Genes. Cell, 2013, 154, 452-464.	13.5	449
17	Changes in keratinocyte adhesion during terminal differentiation: Reduction in fibronectin binding precedes Î±5Î²1 integrin loss from the cell surface. Cell, 1990, 63, 425-435.	13.5	438
18	Stem cells: the generation and maintenance of cellular diversity. Development (Cambridge), 1989, 106, 619-633.	1.2	437

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19	Stimulation of human epidermal differentiation by Deltaâ€“Notch signalling at the boundaries of stem-cell clusters. Current Biology, 2000, 10, 491-500.	1.8	423
20	Actin and serum response factor transduce physical cues from the microenvironment to regulate epidermal stem cell fate decisions. Nature Cell Biology, 2010, 12, 711-718.	4.6	414
21	Fibronectin inhibits the terminal differentiation of human keratinocytes. Nature, 1989, 340, 307-309.	13.7	403
22	Manipulation of stem cell proliferation and lineage commitment:visualisation of label-retaining cells in wholemounts of mouse epidermis. Development (Cambridge), 2003, 130, 5241-5255.	1.2	382
23	Epithelial stem cells, wound healing and cancer. Nature Reviews Cancer, 2012, 12, 170-180.	12.8	382
24	Hair follicle dermal papilla cells at a glance. Journal of Cell Science, 2011, 124, 1179-1182.	1.2	375
25	Lrig1 controls intestinal stem-cell homeostasis by negative regulation of ErbB signalling. Nature Cell Biology, 2012, 14, 401-408.	4.6	350
26	Epidermal stem cells: markers, patterning and the control of stem cell fate. Philosophical Transactions of the Royal Society B: Biological Sciences, 1998, 353, 831-837.	1.8	342
27	c-Myc activation in transgenic mouse epidermis results in mobilization of stem cells and differentiation of their progeny. Current Biology, 2001, 11, 558-568.	1.8	332
28	Fibroblast heterogeneity: implications for human disease. Journal of Clinical Investigation, 2018, 128, 26-35.	3.9	327
29	Contribution of stem cells and differentiated cells to epidermal tumours. Nature Reviews Cancer, 2003, 3, 444-451.	12.8	313
30	The spatial relationship between stem cells and their progeny in the basal layer of human epidermis: a new view based on whole-mount labelling and lineage analysis. Development (Cambridge), 1999, 126, 2409-2418.	1.2	312
31	Spatial and Single-Cell Transcriptional Profiling Identifies Functionally Distinct Human Dermal Fibroblast Subpopulations. Journal of Investigative Dermatology, 2018, 138, 811-825.	0.3	306
32	Stratification and terminal differentiation of cultured epidermal cells. Nature, 1982, 295, 434-436.	13.7	304
33	Suprabasal integrin expression in the epidermis of transgenic mice results in developmental defects and a phenotype resembling psoriasis. Cell, 1995, 83, 957-968.	13.5	298
34	Transient activation of Î²-catenin signalling in adult mouse epidermis is sufficient to induce new hair follicles but continuous activation is required to maintain hair follicle tumours. Development (Cambridge), 2004, 131, 1787-1799.	1.2	298
35	Understanding fibroblast heterogeneity in the skin. Trends in Cell Biology, 2015, 25, 92-99.	3.6	298
36	Sox2-positive dermal papilla cells specify hair follicle type in mammalian epidermis. Development (Cambridge), 2009, 136, 2815-2823.	1.2	297

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37	The EGF Receptor Provides an Essential Survival Signal for SOS-Dependent Skin Tumor Development. Cell, 2000, 102, 211-220.	13.5	288
38	The Basement Membrane of Hair Follicle Stem Cells Is a Muscle Cell Niche. Cell, 2011, 144, 577-589.	13.5	288
39	Single-cell expression profiling of human epidermal stem and transit-amplifying cells: Lrig1 is a regulator of stem cell quiescence. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11958-11963.	3.3	286
40	Cell-Extracellular Matrix Interactions in Normal and Diseased Skin. Cold Spring Harbor Perspectives in Biology, 2011, 3, a005124-a005124.	2.3	284
41	Epidermal Notch signalling: differentiation, cancer and adhesion. Current Opinion in Cell Biology, 2008, 20, 171-179.	2.6	264
42	Developmental cell programs are co-opted in inflammatory skin disease. Science, 2021, 371, .	6.0	264
43	Terminal differentiation of epidermal keratinocytes. Current Opinion in Cell Biology, 1989, 1, 1107-1115.	2.6	259
44	Expression of Î”NLef1 in mouse epidermis results in differentiation of hair follicles into squamous epidermal cysts and formation of skin tumours. Development (Cambridge), 2002, 129, 95-109.	1.2	259
45	Involucrin and Other Markers of Keratinocyte Terminal Differentiation. Journal of Investigative Dermatology, 1983, 81, S100-S103.	0.3	245
46	Stem Cell Depletion Through Epidermal Deletion of Rac1. Science, 2005, 309, 933-935.	6.0	243
47	Stem cell fate and patterning in mammalian epidermis. Current Opinion in Genetics and Development, 2001, 11, 410-417.	1.5	233
48	A crucial role of Î²1 integrins for keratinocyte migration in vitro and during cutaneous wound repair. Development (Cambridge), 2002, 129, 2303-2315.	1.2	232
49	The RNA Methyltransferase Misu (NSun2) Mediates Myc-Induced Proliferation and Is Upregulated in Tumors. Current Biology, 2006, 16, 971-981.	1.8	229
50	Î²-Catenin and Hedgehog Signal Strength Can Specify Number and Location of Hair Follicles in Adult Epidermis without Recruitment of Bulge Stem Cells. Developmental Cell, 2005, 9, 121-131.	3.1	223
51	Skin Cell Heterogeneity in Development, Wound Healing, and Cancer. Trends in Cell Biology, 2018, 28, 709-722.	3.6	219
52	Defining dermal adipose tissue. Experimental Dermatology, 2014, 23, 629-631.	1.4	218
53	Stem cells are dispensable for lung homeostasis but restore airways after injury. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9286-9291.	3.3	216
54	Î²-catenin signalling modulates proliferative potential of human epidermal keratinocytes independently of intercellular adhesion. Development (Cambridge), 1999, 126, 2285-2298.	1.2	211

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55	Evidence that cadherins play a role in the downregulation of integrin expression that occurs during keratinocyte terminal differentiation. Journal of Cell Biology, 1994, 124, 589-600.	2.3	210
56	Regulation of keratinocyte shape, migration and wound epithelialization by IGF-1- and EGF-dependent signalling pathways. Journal of Cell Science, 2003, 116, 3227-3238.	1.2	208
57	The plakin family: versatile organizers of cytoskeletal architecture. Current Opinion in Genetics and Development, 1997, 7, 392-397.	1.5	204
58	Jagged 1 is a Î²-catenin target gene required for ectopic hair follicle formation in adult epidermis. Development (Cambridge), 2006, 133, 4427-4438.	1.2	202
59	Towards gene therapy for haemophilia B using primary human keratinocytes. Nature Genetics, 1993, 3, 180-183.	9.4	199
60	Periplakin, a Novel Component of Cornified Envelopes and Desmosomes That Belongs to the Plakin Family and Forms Complexes with Envoplakin. Journal of Cell Biology, 1997, 139, 1835-1849.	2.3	192
61	The cell-surface marker MTS24 identifies a novel population of follicular keratinocytes with characteristics of progenitor cells. Development (Cambridge), 2006, 133, 3027-3037.	1.2	185
62	Designer skin: lineage commitment in postnatal epidermis. Trends in Cell Biology, 2002, 12, 185-192.	3.6	182
63	Integrin expression during human epidermal development <i>in vivo</i> and <i>in vitro</i>. Development (Cambridge), 1991, 112, 193-206.	1.2	180
64	Epidermal stem cells are retained <i>in vivo</i> throughout skin aging. Aging Cell, 2008, 7, 250-259.	3.0	177
65	Defining Adult Stem Cells by Function, not by Phenotype. Annual Review of Biochemistry, 2018, 87, 1015-1027.	5.0	175
66	New roles for integrins in squamous-cell carcinoma. Nature Reviews Cancer, 2006, 6, 175-183.	12.8	174
67	Assaying proliferation and differentiation capacity of stem cells using disaggregated adult mouse epidermis. Nature Protocols, 2010, 5, 898-911.	5.5	174
68	Epidermal stem cells: an update. Current Opinion in Genetics and Development, 2006, 16, 518-524.	1.5	173
69	Mammalian skin cell biology: At the interface between laboratory and clinic. Science, 2014, 346, 937-940.	6.0	168
70	Evidence that Myc activation depletes the epidermal stem cell compartment by modulating adhesive interactions with the local microenvironment. Development (Cambridge), 2003, 130, 2793-2808.	1.2	163
71	Epidermal stem cell diversity and quiescence. EMBO Molecular Medicine, 2009, 1, 260-267.	3.3	162
72	Proliferative Heterogeneity in the Human Prostate: Evidence for Epithelial Stem Cells. Laboratory Investigation, 2000, 80, 1243-1250.	1.7	161

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73	The RNAâ€"Methyltransferase Misu (NSun2) Poises Epidermal Stem Cells to Differentiate. PLoS Genetics, 2011, 7, e1002403.	1.5	160
74	Differentiation of Embryonal Stem Cells into Keratinocytes: Comparison of Wild-Type and Î²1Integrin-Deficient Cells. Developmental Biology, 1996, 179, 184-196.	0.9	158
75	Effect of seeding density on stability of the differentiated phenotype of pig articular chondrocytes in culture. Journal of Cell Science, 1988, 89, 373-378.	1.2	153
76	Sic Transit Gloria: Farewell to the Epidermal Transit Amplifying Cell?. Cell Stem Cell, 2007, 1, 371-381.	5.2	152
77	Human sebaceous tumors harbor inactivating mutations in LEF1. Nature Medicine, 2006, 12, 395-397.	15.2	149
78	Identification of a new gene mutated in Fraser syndrome and mouse myelencephalic blebs. Nature Genetics, 2005, 37, 520-525.	9.4	148
79	Antinuclear Autoantibodies and Lupus Nephritis in Transgenic Mice Expressing Interferon Î³ in the Epidermis. Journal of Experimental Medicine, 1997, 186, 1451-1459.	4.2	147
80	Epithelial Cell Differentiation Pathways in the Human Prostate: Identification of Intermediate Phenotypes by Keratin Expression. Journal of Histochemistry and Cytochemistry, 2001, 49, 271-278.	1.3	146
81	The therapeutic potential of stem cells. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 155-163.	1.8	145
82	A role for mitogen-activated protein kinase activation by integrins in the pathogenesis of psoriasis. Journal of Clinical Investigation, 2001, 108, 527-536.	3.9	145
83	Asymmetric stem-cell divisions define the architecture of human oesophageal epithelium. Current Biology, 2000, 10, 1447-1450.	1.8	144
84	MYC in mammalian epidermis: how can an oncogene stimulate differentiation?. Nature Reviews Cancer, 2008, 8, 234-242.	12.8	144
85	Stem Cell Heterogeneity and Plasticity in Epithelia. Cell Stem Cell, 2015, 16, 465-476.	5.2	144
86	The extracellular matrix and cell shape. Trends in Biochemical Sciences, 1986, 11, 482-485.	3.7	142
87	Transgenic Mice Expressing IFN-Î³ in the Epidermis Have Eczema, Hair Hypopigmentation, and Hair Loss. Journal of Investigative Dermatology, 1997, 108, 412-422.	0.3	142
88	Expression of a dominant negative cadherin mutant inhibits proliferation and stimulates terminal differentiation of human epidermal keratinocytes. Journal of Cell Science, 1996, 109, 3013-3023.	1.2	142
89	Diverse epigenetic strategies interact to control epidermal differentiation. Nature Cell Biology, 2012, 14, 753-763.	4.6	139
90	Wounding induces dedifferentiation of epidermal Gata6+ cells and acquisition of stem cell properties. Nature Cell Biology, 2017, 19, 603-613.	4.6	138

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91	Integrin expression in normal, hyperplastic, dysplastic, and malignant oral epithelium. Journal of Pathology, 1993, 169, 235-243.	2.1	137
92	Î²1 Integrins Regulate Keratinocyte Adhesion and Differentiation by Distinct Mechanisms. Molecular Biology of the Cell, 2000, 11, 453-466.	0.9	137
93	Reprogramming adult dermis to a neonatal state through epidermal activation of Î²-catenin. Development (Cambridge), 2011, 138, 5189-5199.	1.2	137
94	Measurement of the Rate of Epidermal Terminal Differentiation: Expression of Involucrin by S-Phase Keratinocytes in Culture and in Psoriatic Plaques. Journal of Investigative Dermatology, 1987, 89, 349-352.	0.3	133
95	Mice deficient in involucrin, envoplakin, and periplakin have a defective epidermal barrier. Journal of Cell Biology, 2007, 179, 1599-1612.	2.3	131
96	Role of melanoma chondroitin sulphate proteoglycan in patterning stem cells in human interfollicular epidermis. Development (Cambridge), 2003, 130, 6049-6063.	1.2	129
97	Diverse mechanisms for endogenous regeneration and repair in mammalian organs. Nature, 2018, 557, 322-328.	13.7	129
98	Regulation of keratinocyte terminal differentiation by integrin-extracellular matrix interactions. Journal of Cell Science, 1993, 106, 175-182.	1.2	129
99	Epidermal Wnt/Î²-catenin signaling regulates adipocyte differentiation via secretion of adipogenic factors. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1501-9.	3.3	128
100	Nanog maintains pluripotency of mouse embryonic stem cells by inhibiting NFÎºB and cooperating with Stat3. Nature Cell Biology, 2008, 10, 194-201.	4.6	127
101	Changes in the expression of alphav integrins in oral squamous cell carcinomas. Journal of Oral Pathology and Medicine, 1997, 26, 63-68.	1.4	125
102	The Vitamin D Receptor Is a Wnt Effector that Controls Hair Follicle Differentiation and Specifies Tumor Type in Adult Epidermis. PLoS ONE, 2008, 3, e1483.	1.1	123
103	Expression of DeltaNLef1 in mouse epidermis results in differentiation of hair follicles into squamous epidermal cysts and formation of skin tumours. Development (Cambridge), 2002, 129, 95-109.	1.2	119
104	Biochemical specificity of Xenopus notochord. Differentiation, 1985, 29, 109-115.	1.0	118
105	Characterization of Bipotential Epidermal Progenitors Derived from Human Sebaceous Gland: Contrasting Roles of c-Myc and <i>Î²</i>-Catenin. Stem Cells, 2008, 26, 1241-1252.	1.4	117
106	Epidermal Î²-catenin activation remodels the dermis via paracrine signalling to distinct fibroblast lineages. Nature Communications, 2016, 7, 10537.	5.8	115
107	Inhibition of Î²-catenin signalling in dermal fibroblasts enhances hair follicle regeneration during wound healing. Development (Cambridge), 2016, 143, 2522-35.	1.2	114
108	What is AI? Applications of artificial intelligence to dermatology. British Journal of Dermatology, 2020, 183, 423-430.	1.4	114

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109	Innate sensing of microbial products promotes wound-induced skin cancer. Nature Communications, 2015, 6, 5932.	5.8	113
110	Fibroblast state switching orchestrates dermal maturation and wound healing. Molecular Systems Biology, 2018, 14, e8174.	3.2	113
111	Keratinocyte Differentiation Is Regulated by the Rho and ROCK Signaling Pathway. Current Biology, 2003, 13, 2185-2189.	1.8	111
112	Mechanisms, Hallmarks, and Implications of Stem Cell Quiescence. Stem Cell Reports, 2019, 12, 1190-1200.	2.3	111
113	A crucial role of beta 1 integrins for keratinocyte migration in vitro and during cutaneous wound repair. Development (Cambridge), 2002, 129, 2303-15.	1.2	111
114	Myc regulates keratinocyte adhesion and differentiation via complex formation with Miz1. Journal of Cell Biology, 2006, 172, 139-149.	2.3	108
115	Comparison of integrin, cadherin, and catenin expression in squamous cell carcinomas of the oral cavity. , 1998, 186, 8-16.		107
116	Markers of Epidermal Stem Cell Subpopulations in Adult Mammalian Skin. Cold Spring Harbor Perspectives in Medicine, 2014, 4, a013631-a013631.	2.9	103
117	The stem cell compartment in human interfollicular epidermis. Journal of Dermatological Science, 2002, 28, 173-180.	1.0	100
118	Human Skin Aging Is Associated with Reduced Expression of the Stem Cell Markers Î²1 Integrin and MCSP. Journal of Investigative Dermatology, 2010, 130, 604-608.	0.3	100
119	Exploiting the superior protein resistance of polymer brushes to control single cell adhesion and polarisation at the micron scale. Biomaterials, 2010, 31, 5030-5041.	5.7	99
120	Influence of cytochalasin d-induced changes in cell shape on proteoglycan synthesis by cultured articular chondrocytes. Experimental Cell Research, 1988, 178, 199-210.	1.2	97
121	Functional Significance of CD9 Association with Î²1 Integrins in Human Epidermal Keratinocytes. Cell Adhesion and Communication, 1996, 4, 297-305.	1.7	95
122	Switch from Î±vÎ²5 to Î±vÎ²6 integrin expression protects squamous cell carcinomas from anoikis. Journal of Cell Biology, 2004, 166, 419-431.	2.3	95
123	Envoplakin and Periplakin are Components of the Paraneoplastic Pemphigus Antigen Complex. Journal of Investigative Dermatology, 1998, 111, 1236-1238.	0.3	92
124	The Interfollicular Epidermis of Adult Mouse Tail Comprises Two Distinct Cell Lineages that Are Differentially Regulated by Wnt, Edaradd, and Lrig1. Stem Cell Reports, 2013, 1, 19-27.	2.3	92
125	Epidermal Stem Cells Are Defined by Global Histone Modifications that Are Altered by Myc-Induced Differentiation. PLoS ONE, 2007, 2, e763.	1.1	89
126	Subcellular Distribution of Envoplakin and Periplakin. Journal of Cell Biology, 2000, 151, 573-586.	2.3	87

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127	Transcriptional and post-translational regulation of beta 1 integrin expression during keratinocyte terminal differentiation.. Journal of Biological Chemistry, 1992, 267, 14852-14858.	1.6	87
128	Dynamic regulation of retinoic acid-binding proteins in developing, adult and neoplastic skin reveals roles for Î²-catenin and Notch signalling. Developmental Biology, 2008, 324, 55-67.	0.9	85
129	Type XVII collagen coordinates proliferation in the interfollicular epidermis. ELife, 2017, 6, .	2.8	85
130	Suprabasal Î±6Î²4 integrin expression in epidermis results in enhanced tumourigenesis and disruption of TGFÎ² signalling. Journal of Cell Science, 2003, 116, 3783-3791.	1.2	84
131	Transient activation of FOXN1 in keratinocytes induces a transcriptional programme that promotes terminal differentiation: contrasting roles of FOXN1 and Akt. Journal of Cell Science, 2004, 117, 4157-4168.	1.2	84
132	Epidermal Label-Retaining Cells: Background and Recent Applications. Journal of Investigative Dermatology Symposium Proceedings, 2004, 9, 196-201.	0.8	83
133	Single-cell gene expression profiling reveals functional heterogeneity of undifferentiated human epidermal cells. Development (Cambridge), 2013, 140, 1433-1444.	1.2	82
134	Genome-wide association study in frontal fibrosing alopecia identifies four susceptibility loci including HLA-B*07:02. Nature Communications, 2019, 10, 1150.	5.8	82
135	The Epidermal Stem Cell Compartment: Variation in Expression Levels of Eâ€"Cadherin and Catenins Within the Basal Layer of Human Epidermis. Journal of Histochemistry and Cytochemistry, 1997, 45, 867-874.	1.3	80
136	Genomic gain of 5p15 leads to over-expression of Misu (NSUN2) in breast cancer. Cancer Letters, 2010, 289, 71-80.	3.2	80
137	Expression of Activated MEK1 in Differentiating Epidermal Cells Is Sufficient to Generate Hyperproliferative and Inflammatory Skin Lesions. Journal of Investigative Dermatology, 2004, 123, 503-515.	0.3	79
138	Î²-Catenin Stabilization in Skin Fibroblasts Causes Fibrotic Lesions by Preventing Adipocyte Differentiation of the ReticularÂDermis. Journal of Investigative Dermatology, 2016, 136, 1130-1142.	0.3	79
139	A genome-wide screen identifies YAP/WBP2 interplay conferring growth advantage on human epidermal stem cells. Nature Communications, 2017, 8, 14744.	5.8	77
140	Calcium-induced changes in cytoskeleton and motility of cultured human keratinocytes. Experimental Cell Research, 1987, 172, 43-53.	1.2	75
141	Interaction of periplakin and envoplakin with intermediate filaments. Journal of Cell Science, 2002, 115, 5027-5037.	1.2	75
142	Monodisperse collagenâ€"gelatin beads as potential platforms for 3D cell culturing. Journal of Materials Chemistry B, 2013, 1, 5128.	2.9	75
143	Dermal Blimp1 Acts Downstream of Epidermal TGFÎ² and Wnt/Î²-Catenin toÂRegulate Hair Follicle Formation andÂGrowth. Journal of Investigative Dermatology, 2017, 137, 2270-2281.	0.3	75
144	Dual Role of Inactivating Lef1 Mutations in Epidermis: Tumor Promotion and Specification of Tumor Type. Cancer Research, 2007, 67, 2916-2921.	0.4	69

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145	Tumor formation initiated by nondividing epidermal cells via an inflammatory infiltrate. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19903-19908.	3.3	69
146	Translational control of stem cell function. Nature Reviews Molecular Cell Biology, 2021, 22, 671-690.	16.1	69
147	A tumor-associated Î²1 integrin mutation that abrogates epithelial differentiation control. Journal of Cell Biology, 2003, 160, 589-596.	2.3	67
148	Prolonged expression of differentiated phenotype by chondrocytes cultured at low density on a composite substrate of collagen and agarose that restricts cell spreading. Differentiation, 1988, 38, 140-147.	1.0	66
149	Characterisation of Eight Monoclonal Antibodies to Involucrin. Hybridoma, 1992, 11, 367-379.	0.9	66
150	Clonal Growth of Dermal Papilla Cells in Hydrogels Reveals Intrinsic Differences between Sox2-Positive and -Negative Cells In Vitro and In Vivo. Journal of Investigative Dermatology, 2012, 132, 1084-1093.	0.3	66
151	Î²â€Catenin determines upper airway progenitor cell fate and preinvasive squamous lung cancer progression by modulating epithelialâ€“mesenchymal transition. Journal of Pathology, 2012, 226, 575-587.	2.1	66
152	c-MYC-Induced Sebaceous Gland Differentiation Is Controlled by an Androgen Receptor/p53 Axis. Cell Reports, 2013, 3, 427-441.	2.9	66
153	CD44 is the major peanut lectin-binding glycoprotein of human epidermal keratinocytes and plays a role in intercellular adhesion. Journal of Cell Science, 1995, 108, 1959-1970.	1.2	66
154	Paraneoplastic Pemphigus Sera React Strongly with Multiple Epitopes on the Various Regions of Envoplakin and Periplakin, Except for the C-Terminal Homologous Domain of Periplakin. Journal of Investigative Dermatology, 2001, 116, 556-563.	0.3	65
155	Scalable topographies to support proliferation and Oct4 expression by human induced pluripotent stem cells. Scientific Reports, 2016, 6, 18948.	1.6	65
156	Decreased expression of fibronectin and the <i>Î±</i>5<i>Î²</i> <i>1</i> integrin during terminal differentiation of human keratinocytes. Journal of Cell Science, 1991, 98, 225-232.	1.2	65
157	Gene Targeting of Envoplakin, a Cytoskeletal Linker Protein and Precursor of the Epidermal Cornified Envelope. Molecular and Cellular Biology, 2001, 21, 7047-7053.	1.1	64
158	Loss of Î±6 and Î²4 integrin subunits coincides with loss of basement membrane components in oral squamous cell carcinomas. Journal of Pathology, 1993, 171, 183-190.	2.1	62
159	Sin3a is essential for the genome integrity and viability of pluripotent cells. Developmental Biology, 2012, 363, 62-73.	0.9	62
160	Calcium-Induced Changes in Distribution and Solubility of Cadherins, Integrins and Their Associated Cytoplasmic Proteins in Human Keratinocytes. Cell Adhesion and Communication, 1995, 3, 201-215.	1.7	61
161	Role of the Notch Ligand Delta1 in Embryonic and Adult Mouse Epidermis. Journal of Investigative Dermatology, 2008, 128, 825-832.	0.3	61
162	Optimised retroviral infection of human epidermal keratinocytes: long-term expression of transduced integrin gene following grafting on to SCID mice. Gene Therapy, 1998, 5, 913-922.	2.3	59

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163	What is the point of large-scale collections of human induced pluripotent stem cells?. Nature Biotechnology, 2013, 31, 875-877.	9.4	58
164	Role of Â-catenin in Epidermal Stem Cell Expansion, Lineage Selection, and Cancer. Cold Spring Harbor Symposia on Quantitative Biology, 2008, 73, 503-512.	2.0	58
165	Evidence Against a Major Role for Integrins in Calcium-Dependent Intercellular Adhesion of Epidermal Keratinocytes. Cell Adhesion and Communication, 1993, 1, 55-66.	1.7	56
166	p19 ARF â€independent induction of p53 and cell cycle arrest by Raf in murine keratinocytes. EMBO Reports, 2001, 2, 145-150.	2.0	56
167	Syntenin mediates Delta1-induced cohesiveness of epidermal stem cells in culture. Journal of Cell Science, 2007, 120, 2944-2952.	1.2	56
168	Map clusters of diseases to tackle multimorbidity. Nature, 2020, 579, 494-496.	13.7	55
169	Comparison of integrin expression and terminal differentiation capacity in cell lines derived from oral squamous cell carcinomas. Carcinogenesis, 1993, 14, 2171-2176.	1.3	54
170	Dermal Fibroblast-Derived Growth Factors Restore the Ability of Î²1 Integrin-Deficient Embryonal Stem Cells to Differentiate into Keratinocytes. Developmental Biology, 2001, 231, 321-333.	0.9	54
171	Delta regulates keratinocyte spreading and motility independently of differentiation. Mechanisms of Development, 2001, 107, 133-140.	1.7	54
172	Kazrin, a novel periplakin-interacting protein associated with desmosomes and the keratinocyte plasma membrane. Journal of Cell Biology, 2004, 166, 653-659.	2.3	54
173	Sox2 modulates the function of two distinct cell lineages in mouse skin. Developmental Biology, 2013, 382, 15-26.	0.9	54
174	Different Consequences of Î²1 Integrin Deletion in Neonatal and Adult Mouse Epidermis Reveal a Context-Dependent Role of Integrins in Regulating Proliferation, Differentiation, and Intercellular Communication. Journal of Investigative Dermatology, 2005, 125, 1215-1227.	0.3	53
175	Compartmentalized Epidermal Activation of Î²-Catenin Differentially Affects Lineage Reprogramming and Underlies Tumor Heterogeneity. Cell Reports, 2016, 14, 269-281.	2.9	53
176	Shape-Induced Terminal Differentiation of Human Epidermal Stem Cells Requires p38 and Is Regulated by Histone Acetylation. PLoS ONE, 2011, 6, e27259.	1.1	52
177	Mimicking the topography of the epidermalâ€“dermal interface with elastomer substrates. Integrative Biology (United Kingdom), 2016, 8, 21-29.	0.6	52
178	Epidermal barrier defects link atopic dermatitis with altered skin cancer susceptibility. ELife, 2014, 3, e01888.	2.8	51
179	Regulation of ERK basal and pulsatile activity control proliferation and exit from the stem cell compartment in mammalian epidermis. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17796-17807.	3.3	50
180	Functional down-regulation of Î±5Î²1 integrin in keratinocytes is reversible but commitment to terminal differentiation is not. Journal of Cell Science, 1993, 106, 1131-1138.	1.2	50

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