Fiona M Watt

List of Publications by Citations

335 papers	33,563 citations	102 h-index	175 g-index
384 ext. papers	38,372 ext. citations	11.4 avg, IF	7.56 L-index

#	Paper	IF	Citations
335	Extracellular-matrix tethering regulates stem-cell fate. *Nature Materials*, **2012**, 11, 642-9	27	1156
334	Separation of human epidermal stem cells from transit amplifying cells on the basis of differences in integrin function and expression. *Cell*, **1993**, 73, 713-24	56.2	981
333	The Human Cell Atlas. *ELife*, **2017**, 6,	8.9	937
332	Regulation of development and differentiation by the extracellular matrix. *Development (Cambridge)*, **1993**, 117, 1183-1198	6.6	878
331	A framework for advancing our understanding of cancer-associated fibroblasts. *Nature Reviews Cancer*, **2020**, 20, 174-186	31.3	790
330	Autophagy mediates the mitotic senescence transition. *Genes and Development*, **2009**, 23, 798-803	12.6	740
329	Stem cell patterning and fate in human epidermis. *Cell*, **1995**, 80, 83-93	56.2	707
328	Distinct fibroblast lineages determine dermal architecture in skin development and repair. *Nature*, **2013**, 504, 277-281	50.4	656
327	Role of the extracellular matrix in regulating stem cell fate. *Nature Reviews Molecular Cell Biology*, **2013**, 14, 467-73	48.7	590
326	Role of integrins in regulating epidermal adhesion, growth and differentiation. *EMBO Journal*, **2002** , 21, 3919-26	13	501
325	Lineage tracing. *Cell*, **2012**, 148, 33-45	56.2	463
324	Changes in keratinocyte adhesion during terminal differentiation: reduction in fibronectin binding precedes alpha 5 beta 1 integrin loss from the cell surface. *Cell*, **1990**, 63, 425-35	56.2	406
323	Modulating the stem cell niche for tissue regeneration. *Nature Biotechnology*, **2014**, 32, 795-803	44.5	392
322	Lrig1 expression defines a distinct multipotent stem cell population in mammalian epidermis. *Cell Stem Cell*, **2009**, 4, 427-39	18	392
321	Stimulation of human epidermal differentiation by delta-notch signalling at the boundaries of stem-cell clusters. *Current Biology*, **2000**, 10, 491-500	6.3	372
320	Fibronectin inhibits the terminal differentiation of human keratinocytes. *Nature*, **1989**, 340, 307-9	50.4	362
319	Stem cells: the generation and maintenance of cellular diversity. *Development (Cambridge)*, **1989**, 106, 619-633	6.6	354

318	Actin and serum response factor transduce physical cues from the microenvironment to regulate epidermal stem cell fate decisions. *Nature Cell Biology*, **2010**, 12, 711-8	23.4	351
317	Genome-wide generation and systematic phenotyping of knockout mice reveals new roles for many genes. *Cell*, **2013**, 154, 452-64	56.2	350
316	Manipulation of stem cell proliferation and lineage commitment: visualisation of label-retaining cells in wholemounts of mouse epidermis. *Development (Cambridge)*, **2003**, 130, 5241-55	6.6	345
315	Apoptosis in mesenchymal stromal cells induces in vivo recipient-mediated immunomodulation. *Science Translational Medicine*, **2017**, 9,	17.5	319
314	Epithelial stem cells, wound healing and cancer. *Nature Reviews Cancer*, **2012**, 12, 170-80	31.3	317
313	Lrig1 controls intestinal stem-cell homeostasis by negative regulation of ErbB signalling. *Nature Cell Biology*, **2012**, 14, 401-8	23.4	307
312	c-Myc activation in transgenic mouse epidermis results in mobilization of stem cells and differentiation of their progeny. *Current Biology*, **2001**, 11, 558-68	6.3	305
311	Epidermal stem cells: markers, patterning and the control of stem cell fate. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **1998**, 353, 831-7	5.8	303
310	Common genetic variation drives molecular heterogeneity in human iPSCs. *Nature*, **2017**, 546, 370-375	50.4	294
309	Stratification and terminal differentiation of cultured epidermal cells. *Nature*, **1982**, 295, 434-6	50.4	280
308	Contribution of stem cells and differentiated cells to epidermal tumours. *Nature Reviews Cancer*, **2003**, 3, 444-51	31.3	277
307	Suprabasal integrin expression in the epidermis of transgenic mice results in developmental defects and a phenotype resembling psoriasis. *Cell*, **1995**, 83, 957-68	56.2	274
306	Hair follicle dermal papilla cells at a glance. *Journal of Cell Science*, **2011**, 124, 1179-82	5.3	272
305	Transient activation of beta-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, 1787-99	6.6	269
304	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	6.6	266
303	The EGF receptor provides an essential survival signal for SOS-dependent skin tumor development. *Cell*, **2000**, 102, 211-20	56.2	261
302	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, 11958-63	11.5	252
301	Sox2-positive dermal papilla cells specify hair follicle type in mammalian epidermis. *Development (Cambridge)*, **2009**, 136, 2815-23	6.6	239

300	Stem cell depletion through epidermal deletion of Rac1. *Science*, **2005**, 309, 933-5	33.3	227
299	Terminal differentiation of epidermal keratinocytes. *Current Opinion in Cell Biology*, **1989**, 1, 1107-15	9	224
298	Expression of ΔNLef1 in mouse epidermis results in differentiation of hair follicles into squamous epidermal cysts and formation of skin tumours. *Development (Cambridge)*, **2002**, 129, 95-109	6.6	219
297	The basement membrane of hair follicle stem cells is a muscle cell niche. *Cell*, **2011**, 144, 577-89	56.2	217
296	Epidermal Notch signalling: differentiation, cancer and adhesion. *Current Opinion in Cell Biology*, **2008**, 20, 171-9	9	216
295	Understanding fibroblast heterogeneity in the skin. *Trends in Cell Biology*, **2015**, 25, 92-9	18.3	213
294	Cell-extracellular matrix interactions in normal and diseased skin. *Cold Spring Harbor Perspectives in Biology*, **2011**, 3,	10.2	213
293	Involucrin and other markers of keratinocyte terminal differentiation. *Journal of Investigative Dermatology*, **1983**, 81, 100s-3s	4.3	210
292	Stem cell fate and patterning in mammalian epidermis. *Current Opinion in Genetics and Development* , **2001**, 11, 410-7	4.9	204
291	Beta-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, 121-31	10.2	202
290	A crucial role of β1 integrins for keratinocyte migration in vitro and during cutaneous wound repair. *Development (Cambridge)*, **2002**, 129, 2303-2315	6.6	198
289	The RNA methyltransferase Misu (NSun2) mediates Myc-induced proliferation and is upregulated in tumors. *Current Biology*, **2006**, 16, 971-81	6.3	196
288	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	7.3	196
287	Spatial and Single-Cell Transcriptional Profiling Identifies Functionally Distinct Human Dermal Fibroblast Subpopulations. *Journal of Investigative Dermatology*, **2018**, 138, 811-825	4.3	190
286	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, 9286-91	11.5	190
285	The plakin family: versatile organizers of cytoskeletal architecture. *Current Opinion in Genetics and Development*, **1997**, 7, 392-7	4.9	185
284	Jagged 1 is a beta-catenin target gene required for ectopic hair follicle formation in adult epidermis. *Development (Cambridge)*, **2006**, 133, 4427-38	6.6	185
283	Regulation of keratinocyte shape, migration and wound epithelialization by IGF-1- and EGF-dependent signalling pathways. *Journal of Cell Science*, **2003**, 116, 3227-38	5.3	182

282	Towards gene therapy for haemophilia B using primary human keratinocytes. *Nature Genetics*, **1993**, 3, 180-3	36.3	179
281	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, 1835-49	7.3	171
280	Designer skin: lineage commitment in postnatal epidermis. *Trends in Cell Biology*, **2002**, 12, 185-92	18.3	169
279	The cell-surface marker MTS24 identifies a novel population of follicular keratinocytes with characteristics of progenitor cells. *Development (Cambridge)*, **2006**, 133, 3027-37	6.6	168
278	beta-catenin signalling modulates proliferative potential of human epidermal keratinocytes independently of intercellular adhesion. *Development (Cambridge)*, **1999**, 126, 2285-2298	6.6	168
277	Fibroblast heterogeneity: implications for human disease. *Journal of Clinical Investigation*, **2018**, 128, 26-35	15.9	167
276	New roles for integrins in squamous-cell carcinoma. *Nature Reviews Cancer*, **2006**, 6, 175-83	31.3	158
275	Epidermal stem cells: an update. *Current Opinion in Genetics and Development*, **2006**, 16, 518-24	4.9	157
274	Evidence that Myc activation depletes the epidermal stem cell compartment by modulating adhesive interactions with the local microenvironment. *Development (Cambridge)*, **2003**, 130, 2793-808	6.6	157
273	Defining dermal adipose tissue. *Experimental Dermatology*, **2014**, 23, 629-31	4	154
272	Epidermal stem cell diversity and quiescence. *EMBO Molecular Medicine*, **2009**, 1, 260-7	12	152
271	Proliferative heterogeneity in the human prostate: evidence for epithelial stem cells. *Laboratory Investigation*, **2000**, 80, 1243-50	5.9	149
270	Integrin expression during human epidermal development in vivo and in vitro. *Development (Cambridge)*, **1991**, 112, 193-206	6.6	146
269	The RNA-methyltransferase Misu (NSun2) poises epidermal stem cells to differentiate. *PLoS Genetics*, **2011**, 7, e1002403	6	140
268	Differentiation of embryonal stem cells into keratinocytes: comparison of wild-type and beta 1 integrin-deficient cells. *Developmental Biology*, **1996**, 179, 184-96	3.1	139
267	Epidermal stem cells are retained in vivo throughout skin aging. *Aging Cell*, **2008**, 7, 250-9	9.9	138
266	Assaying proliferation and differentiation capacity of stem cells using disaggregated adult mouse epidermis. *Nature Protocols*, **2010**, 5, 898-911	18.8	136
265	Sic transit gloria: farewell to the epidermal transit amplifying cell?. *Cell Stem Cell*, **2007**, 1, 371-81	18	135

264	Epithelial cell differentiation pathways in the human prostate: identification of intermediate phenotypes by keratin expression. *Journal of Histochemistry and Cytochemistry*, **2001**, 49, 271-8	3.4	134
263	Identification of a new gene mutated in Fraser syndrome and mouse myelencephalic blebs. *Nature Genetics*, **2005**, 37, 520-5	36.3	133
262	Human sebaceous tumors harbor inactivating mutations in LEF1. *Nature Medicine*, **2006**, 12, 395-7	50.5	132
261	Effect of seeding density on stability of the differentiated phenotype of pig articular chondrocytes in culture. *Journal of Cell Science*, **1988**, 89, 373-378	5.3	129
260	A role for mitogen-activated protein kinase activation by integrins in the pathogenesis of psoriasis. *Journal of Clinical Investigation*, **2001**, 108, 527-36	15.9	128
259	beta1 integrins regulate keratinocyte adhesion and differentiation by distinct mechanisms. *Molecular Biology of the Cell*, **2000**, 11, 453-66	3.5	126
258	Transgenic mice expressing IFN-gamma in the epidermis have eczema, hair hypopigmentation, and hair loss. *Journal of Investigative Dermatology*, **1997**, 108, 412-22	4.3	125
257	Integrin expression in normal, hyperplastic, dysplastic, and malignant oral epithelium. *Journal of Pathology*, **1993**, 169, 235-43	9.4	125
256	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	5.3	125
255	MYC in mammalian epidermis: how can an oncogene stimulate differentiation?. *Nature Reviews Cancer*, **2008**, 8, 234-42	31.3	122
254	Skin Cell Heterogeneity in Development, Wound Healing, and Cancer. *Trends in Cell Biology*, **2018**, 28, 709-722	18.3	122
253	Asymmetric stem-cell divisions define the architecture of human oesophageal epithelium. *Current Biology*, **2000**, 10, 1447-50	6.3	121
252	Mammalian skin cell biology: at the interface between laboratory and clinic. *Science*, **2014**, 346, 937-40	33.3	120
251	The extracellular matrix and cell shape. *Trends in Biochemical Sciences*, **1986**, 11, 482-485	10.3	118
250	Antinuclear autoantibodies and lupus nephritis in transgenic mice expressing interferon gamma in the epidermis. *Journal of Experimental Medicine*, **1997**, 186, 1451-9	16.6	117
249	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	6.6	116
248	Nanog maintains pluripotency of mouse embryonic stem cells by inhibiting NFkappaB and cooperating with Stat3. *Nature Cell Biology*, **2008**, 10, 194-201	23.4	114
247	Changes in the expression of alpha v integrins in oral squamous cell carcinomas. *Journal of Oral Pathology and Medicine*, **1997**, 26, 63-8	3.3	113

246	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, 349-52	4.3	113
245	Diverse epigenetic strategies interact to control epidermal differentiation. *Nature Cell Biology*, **2012**, 14, 753-63	23.4	112
244	Mice deficient in involucrin, envoplakin, and periplakin have a defective epidermal barrier. *Journal of Cell Biology*, **2007**, 179, 1599-612	7.3	112
243	Regulation of keratinocyte terminal differentiation by integrin-extracellular matrix interactions. *Journal of Cell Science*, **1993**, 106, 175-182	5.3	111
242	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	3.7	110
241	A crucial role of beta 1 integrins for keratinocyte migration in vitro and during cutaneous wound repair. *Development (Cambridge)*, **2002**, 129, 2303-15	6.6	110
240	Role of melanoma chondroitin sulphate proteoglycan in patterning stem cells in human interfollicular epidermis. *Development (Cambridge)*, **2003**, 130, 6049-63	6.6	109
239	The therapeutic potential of stem cells. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2010**, 365, 155-63	5.8	108
238	Reprogramming adult dermis to a neonatal state through epidermal activation of □catenin. *Development (Cambridge)*, **2011**, 138, 5189-99	6.6	108
237	Characterization of bipotential epidermal progenitors derived from human sebaceous gland: contrasting roles of c-Myc and beta-catenin. *Stem Cells*, **2008**, 26, 1241-52	5.8	106
236	Stem cell heterogeneity and plasticity in epithelia. *Cell Stem Cell*, **2015**, 16, 465-76	18	105
235	Biochemical specificity of Xenopus notochord. *Differentiation*, **1985**, 29, 109-15	3.5	103
234	Defining Adult Stem Cells by Function, not by Phenotype. *Annual Review of Biochemistry*, **2018**, 87, 1015-1027	29	102
233	Epidermal Wnt/□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	11.5	101
232	Myc regulates keratinocyte adhesion and differentiation via complex formation with Miz1. *Journal of Cell Biology*, **2006**, 172, 139-49	7.3	99
231	Comparison of integrin, cadherin, and catenin expression in squamous cell carcinomas of the oral cavity. *Journal of Pathology*, **1998**, 186, 8-16	9.4	97
230	Keratinocyte differentiation is regulated by the Rho and ROCK signaling pathway. *Current Biology*, **2003**, 13, 2185-9	6.3	93
229	Influence of cytochalasin D-induced changes in cell shape on proteoglycan synthesis by cultured articular chondrocytes. *Experimental Cell Research*, **1988**, 178, 199-210	4.2	92

228	The stem cell compartment in human interfollicular epidermis. *Journal of Dermatological Science*, **2002**, 28, 173-80	4.3	91
227	Functional significance of CD9 association with beta 1 integrins in human epidermal keratinocytes. *Cell Adhesion and Communication*, **1996**, 4, 297-305		89
226	Switch from alphavbeta5 to alphavbeta6 integrin expression protects squamous cell carcinomas from anoikis. *Journal of Cell Biology*, **2004**, 166, 419-31	7.3	88
225	Wounding induces dedifferentiation of epidermal Gata6 cells and acquisition of stem cell properties. *Nature Cell Biology*, **2017**, 19, 603-613	23.4	87
224	Diverse mechanisms for endogenous regeneration and repair in mammalian organs. *Nature*, **2018**, 557, 322-328	50.4	87
223	Exploiting the superior protein resistance of polymer brushes to control single cell adhesion and polarisation at the micron scale. *Biomaterials*, **2010**, 31, 5030-41	15.6	85
222	Suprabasal alpha6beta4 integrin expression in epidermis results in enhanced tumourigenesis and disruption of TGFbeta signalling. *Journal of Cell Science*, **2003**, 116, 3783-91	5.3	82
221	Subcellular distribution of envoplakin and periplakin: insights into their role as precursors of the epidermal cornified envelope. *Journal of Cell Biology*, **2000**, 151, 573-86	7.3	81
220	Innate sensing of microbial products promotes wound-induced skin cancer. *Nature Communications*, **2015**, 6, 5932	17.4	80
219	Epidermal stem cells are defined by global histone modifications that are altered by Myc-induced differentiation. *PLoS ONE*, **2007**, 2, e763	3.7	80
218	Inhibition of □catenin signalling in dermal fibroblasts enhances hair follicle regeneration during wound healing. *Development (Cambridge)*, **2016**, 143, 2522-35	6.6	78
217	Envoplakin and periplakin are components of the paraneoplastic pemphigus antigen complex. *Journal of Investigative Dermatology*, **1998**, 111, 1236-8	4.3	78
216	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, 4157-68	5.3	77
215	Human skin aging is associated with reduced expression of the stem cell markers beta1 integrin and MCSP. *Journal of Investigative Dermatology*, **2010**, 130, 604-8	4.3	75
214	Epidermal label-retaining cells: background and recent applications. *Journal of Investigative Dermatology Symposium Proceedings*, **2004**, 9, 196-201	1.1	74
213	Markers of epidermal stem cell subpopulations in adult mammalian skin. *Cold Spring Harbor Perspectives in Medicine*, **2014**, 4,	5.4	73
212	Expression of activated MEK1 in differentiating epidermal cells is sufficient to generate hyperproliferative and inflammatory skin lesions. *Journal of Investigative Dermatology*, **2004**, 123, 503-15	4.3	73
211	Transcriptional and post-translational regulation of beta 1 integrin expression during keratinocyte terminal differentiation.. *Journal of Biological Chemistry*, **1992**, 267, 14852-14858	5.4	72

210	The epidermal stem cell compartment: variation in expression levels of E-cadherin and catenins within the basal layer of human epidermis. *Journal of Histochemistry and Cytochemistry*, **1997**, 45, 867-74	3.4	71
209	Epidermal β-catenin activation remodels the dermis via paracrine signalling to distinct fibroblast lineages. *Nature Communications*, **2016**, 7, 10537	17.4	70
208	Single-cell gene expression profiling reveals functional heterogeneity of undifferentiated human epidermal cells. *Development (Cambridge)*, **2013**, 140, 1433-44	6.6	69
207	Interaction of periplakin and envoplakin with intermediate filaments. *Journal of Cell Science*, **2002**, 115, 5027-37	5.3	69
206	Calcium-induced changes in cytoskeleton and motility of cultured human keratinocytes. *Experimental Cell Research*, **1987**, 172, 43-53	4.2	67
205	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	8	66
204	Dynamic regulation of retinoic acid-binding proteins in developing, adult and neoplastic skin reveals roles for beta-catenin and Notch signalling. *Developmental Biology*, **2008**, 324, 55-67	3.1	66
203	Monodisperse collagen-gelatin beads as potential platforms for 3D cell culturing. *Journal of Materials Chemistry B*, **2013**, 1, 5128-5136	7.3	64
202	Dual role of inactivating Lef1 mutations in epidermis: tumor promotion and specification of tumor type. *Cancer Research*, **2007**, 67, 2916-21	10.1	63
201	A tumor-associated beta 1 integrin mutation that abrogates epithelial differentiation control. *Journal of Cell Biology*, **2003**, 160, 589-96	7.3	63
200	Developmental cell programs are co-opted in inflammatory skin disease. *Science*, **2021**, 371,	33.3	63
199	Mechanisms, Hallmarks, and Implications of Stem Cell Quiescence. *Stem Cell Reports*, **2019**, 12, 1190-1208	8	62
198	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, 1084-93	4.3	62
197	Fibroblast state switching orchestrates dermal maturation and wound healing. *Molecular Systems Biology*, **2018**, 14, e8174	12.2	62
196	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, 19903-8	11.5	61
195	Genomic gain of 5p15 leads to over-expression of Misu (NSUN2) in breast cancer. *Cancer Letters*, **2010**, 289, 71-80	9.9	59
194	Characterisation of eight monoclonal antibodies to involucrin. *Hybridoma*, **1992**, 11, 367-79		59
193	Loss of alpha 6 and beta 4 integrin subunits coincides with loss of basement membrane components in oral squamous cell carcinomas. *Journal of Pathology*, **1993**, 171, 183-90	9.4	59

192	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, 140-7	3.5	59
191	Gene targeting of envoplakin, a cytoskeletal linker protein and precursor of the epidermal cornified envelope. *Molecular and Cellular Biology*, **2001**, 21, 7047-53	4.8	58
190	Optimised retroviral infection of human epidermal keratinocytes: long-term expression of transduced integrin gene following grafting on to SCID mice. *Gene Therapy*, **1998**, 5, 913-22	4	57
189	Calcium-induced changes in distribution and solubility of cadherins, integrins and their associated cytoplasmic proteins in human keratinocytes. *Cell Adhesion and Communication*, **1995**, 3, 201-15		56
188	Genome-wide association study in frontal fibrosing alopecia identifies four susceptibility loci including HLA-B*07:02. *Nature Communications*, **2019**, 10, 1150	17.4	55
187	p19ARF-independent induction of p53 and cell cycle arrest by Raf in murine keratinocytes. *EMBO Reports*, **2001**, 2, 145-50	6.5	55
186	Evidence against a major role for integrins in calcium-dependent intercellular adhesion of epidermal keratinocytes. *Cell Adhesion and Communication*, **1993**, 1, 55-66		55
185	A genome-wide screen identifies YAP/WBP2 interplay conferring growth advantage on human epidermal stem cells. *Nature Communications*, **2017**, 8, 14744	17.4	54
184	Catenin determines upper airway progenitor cell fate and preinvasive squamous lung cancer progression by modulating epithelial-mesenchymal transition. *Journal of Pathology*, **2012**, 226, 575-87	9.4	54
183	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	5.3	54
182	Role of the Notch ligand Delta1 in embryonic and adult mouse epidermis. *Journal of Investigative Dermatology*, **2008**, 128, 825-32	4.3	53
181	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, 556-63	4.3	53
180	Comparison of integrin expression and terminal differentiation capacity in cell lines derived from oral squamous cell carcinomas. *Carcinogenesis*, **1993**, 14, 2171-6	4.6	53
179	Type XVII collagen coordinates proliferation in the interfollicular epidermis. *ELife*, **2017**, 6,	8.9	52
178	Catenin Stabilization in Skin Fibroblasts Causes Fibrotic Lesions by Preventing Adipocyte Differentiation of the Reticular Dermis. *Journal of Investigative Dermatology*, **2016**, 136, 1130-1142	4.3	52
177	What is the point of large-scale collections of human induced pluripotent stem cells?. *Nature Biotechnology*, **2013**, 31, 875-7	44.5	51
176	Syntenin mediates Delta1-induced cohesiveness of epidermal stem cells in culture. *Journal of Cell Science*, **2007**, 120, 2944-52	5.3	51
175	Role of beta-catenin in epidermal stem cell expansion, lineage selection, and cancer. *Cold Spring Harbor Symposia on Quantitative Biology*, **2008**, 73, 503-12	3.9	51

174	Dermal fibroblast-derived growth factors restore the ability of beta(1) integrin-deficient embryonal stem cells to differentiate into keratinocytes. *Developmental Biology*, **2001**, 231, 321-33	3.1	50
173	Decreased expression of fibronectin and the alpha 5 beta 1 integrin during terminal differentiation of human keratinocytes. *Journal of Cell Science*, **1991**, 98, 225-232	5.3	50
172	c-MYC-induced sebaceous gland differentiation is controlled by an androgen receptor/p53 axis. *Cell Reports*, **2013**, 3, 427-41	10.6	49
171	Scalable topographies to support proliferation and Oct4 expression by human induced pluripotent stem cells. *Scientific Reports*, **2016**, 6, 18948	4.9	48
170	Delta regulates keratinocyte spreading and motility independently of differentiation. *Mechanisms of Development*, **2001**, 107, 133-40	1.7	47
169	Sox2 modulates the function of two distinct cell lineages in mouse skin. *Developmental Biology*, **2013**, 382, 15-26	3.1	45
168	Rewiring of an epithelial differentiation factor, miR-203, to inhibit human squamous cell carcinoma metastasis. *Cell Reports*, **2014**, 9, 104-117	10.6	44
167	Shape-induced terminal differentiation of human epidermal stem cells requires p38 and is regulated by histone acetylation. *PLoS ONE*, **2011**, 6, e27259	3.7	44
166	Kazrin, a novel periplakin-interacting protein associated with desmosomes and the keratinocyte plasma membrane. *Journal of Cell Biology*, **2004**, 166, 653-9	7.3	44
165	Different consequences of beta1 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, 1215-27	4.3	44
164	Mimicking the topography of the epidermal-dermal interface with elastomer substrates. *Integrative Biology (United Kingdom)*, **2016**, 8, 21-9	3.7	42
163	Dermal Blimp1 Acts Downstream of Epidermal TGF and Wnt/Catenin to Regulate Hair Follicle Formation and Growth. *Journal of Investigative Dermatology*, **2017**, 137, 2270-2281	4.3	42
162	A stem cell gene expression profile of human squamous cell carcinomas. *Cancer Letters*, **2008**, 272, 23-31	9.9	42
161	Role of LIM kinases in normal and psoriatic human epidermis. *Molecular Biology of the Cell*, **2006**, 17, 1888-96	3.5	42
160	Unexpected Hedgehog-Wnt interactions in epithelial differentiation. *Trends in Molecular Medicine*, **2004**, 10, 577-80	11.5	42
159	The Human Cell Atlas **2017**,		41
158	FRMD4A upregulation in human squamous cell carcinoma promotes tumor growth and metastasis and is associated with poor prognosis. *Cancer Research*, **2012**, 72, 3424-36	10.1	41
157	Cutting edge: amelioration of kidney disease in a transgenic mouse model of lupus nephritis by administration of the caspase inhibitor carbobenzoxy-valyl-alanyl-aspartyl-(beta-o-methyl)-fluoromethylketone. *Journal of Immunology*, **2001**, 167, 2452-5	5.3	41

156	Functional down-regulation of alpha 5 beta 1 integrin in keratinocytes is reversible but commitment to terminal differentiation is not. *Journal of Cell Science*, **1993**, 106, 1131-1138	5.3	41
155	Sin3a is essential for the genome integrity and viability of pluripotent cells. *Developmental Biology*, **2012**, 363, 62-73	3.1	40
154	Epidermal barrier defects link atopic dermatitis with altered skin cancer susceptibility. *ELife*, **2014**, 3, e01888	8.9	40
153	Compartmentalized Epidermal Activation of β-Catenin Differentially Affects Lineage Reprogramming and Underlies Tumor Heterogeneity. *Cell Reports*, **2016**, 14, 269-81	10.6	39
152	BLIMP1 is required for postnatal epidermal homeostasis but does not define a sebaceous gland progenitor under steady-state conditions. *Stem Cell Reports*, **2014**, 3, 620-33	8	39
151	Novel skin phenotypes revealed by a genome-wide mouse reverse genetic screen. *Nature Communications*, **2014**, 5, 3540	17.4	39
150	Spindle checkpoint deficiency is tolerated by murine epidermal cells but not hair follicle stem cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 2928-33	11.5	39
149	Differential sensitivity of epidermal cell subpopulations to beta-catenin-induced ectopic hair follicle formation. *Developmental Biology*, **2010**, 343, 40-50	3.1	39
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