Ralf Paus

List of Publications by Year
in descending order

599 papers	45,536 citations	1301 109 h-index	3650 180 g-index
613 all docs	613 docs citations	613 times ranked	24122 citing authors

#	Article	IF	Citations
1	Controls of Hair Follicle Cycling. Physiological Reviews, 2001, 81, 449-494.	28.8	1,340
2	The Biology of Hair Follicles. New England Journal of Medicine, 1999, 341, 491-497.	27.0	1,150
3	A Comprehensive Guide for the Accurate Classification of Murine Hair Follicles in Distinct Hair Cycle Stages. Journal of Investigative Dermatology, 2001, 117, 3-15.	0.7	1,129
4	The Hair Follicle as a Dynamic Miniorgan. Current Biology, 2009, 19, R132-R142.	3.9	814
5	Corticotropin Releasing Hormone and Proopiomelanocortin Involvement in the Cutaneous Response to Stress. Physiological Reviews, 2000, 80, 979-1020.	28.8	715
6	Sonic hedgehog signaling is essential for hair development. Current Biology, 1998, 8, 1058-1069.	3.9	681
7	Genome-wide association study in alopecia areata implicates both innate and adaptive immunity. Nature, 2010, 466, 113-117.	27.8	651
8	A Comprehensive Guide for the Recognition and Classification of Distinct Stages of Hair Follicle Morphogenesis. Journal of Investigative Dermatology, 1999, 113, 523-532.	0.7	501
9	Regulatory T Cells in Skin Facilitate Epithelial Stem Cell Differentiation. Cell, 2017, 169, 1119-1129.e11.	28.9	477
10	Molecular principles of hair follicle induction and morphogenesis. BioEssays, 2005, 27, 247-261.	2.5	465
11	Alopecia Areata. New England Journal of Medicine, 2012, 366, 1515-1525.	27.0	456
12	Human hair follicles display a functional equivalent of the hypothalamicâ€pituitaryâ€adrenal (HPA) axis and synthesize cortisol. FASEB Journal, 2005, 19, 1332-1334.	0.5	446
13	Hair Follicle Pigmentation. Journal of Investigative Dermatology, 2005, 124, 13-21.	0.7	434
14	Neuroimmunology of Stress: Skin Takes Center Stage. Journal of Investigative Dermatology, 2006, 126, 1697-1704.	0.7	373
15	Noggin is a mesenchymally derived stimulator of hair-follicle induction. Nature Cell Biology, 1999, 1, 158-164.	10.3	360
16	Frontiers in pruritus research: scratching the brain for more effective itch therapy. Journal of Clinical Investigation, 2006, 116, 1174-1185.	8.2	317
17	Reciprocal Requirements for EDA/EDAR/NF-Î²B and Wnt/Î²-Catenin Signaling Pathways in Hair Follicle Induction. Developmental Cell, 2009, 17, 49-61.	7.0	310
18	The human hair follicle immune system: cellular composition and immune privilege. British Journal of Dermatology, 2000, 142, 862-873.	1.5	305

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19	Interleukin-15 protects from lethal apoptosis in vivo. Nature Medicine, 1997, 3, 1124-1128.	30.7	303
20	How UV Light Touches the Brain and Endocrine System Through Skin, and Why. Endocrinology, 2018, 159, 1992-2007.	2.8	303
21	Control of murine hair follicle regression (catagen) by TGFâ€Î²1in vivo. FASEB Journal, 2000, 14, 752-760.	0.5	301
22	Graying: gerontobiology of the hair follicle pigmentary unit. Experimental Gerontology, 2001, 36, 29-54.	2.8	293
23	Neuroimmunoendocrine circuitry of the â€˜brain-skin connectionâ€™. Trends in Immunology, 2006, 27, 32-39.	6.8	290
24	Analysis of apoptosis during hair follicle regression (catagen). American Journal of Pathology, 1997, 151, 1601-17.	3.8	284
25	A ?hairy? privilege. Trends in Immunology, 2005, 26, 32-40.	6.8	277
26	The gutâ€“skin axis in health and disease: A paradigm with therapeutic implications. BioEssays, 2016, 38, 1167-1176.	2.5	264
27	In search of the â€œhair cycle clockâ€: a guided tour. Differentiation, 2004, 72, 489-511.	1.9	263
28	Mast cells are required for normal healing of skin wounds in mice. FASEB Journal, 2006, 20, 2366-2368.	0.5	263
29	Melatonin in the skin: synthesis, metabolism and functions. Trends in Endocrinology and Metabolism, 2008, 19, 17-24.	7.1	255
30	Collapse and Restoration of MHC Class-I-Dependent Immune Privilege. American Journal of Pathology, 2004, 164, 623-634.	3.8	243
31	Differential expression of HPA axis homolog in the skin. Molecular and Cellular Endocrinology, 2007, 265-266, 143-149.	3.2	243
32	Lymphocytes, neuropeptides, and genes involved in alopecia areata. Journal of Clinical Investigation, 2007, 117, 2019-2027.	8.2	243
33	Exploring the role of stem cells in cutaneous wound healing. Experimental Dermatology, 2009, 18, 921-933.	2.9	242
34	What are melanocytesreallydoing all day longâ€¦?. Experimental Dermatology, 2009, 18, 799-819.	2.9	239
35	Telogen skin contains an inhibitor of hair growth. British Journal of Dermatology, 1990, 122, 777-784.	1.5	237
36	Maintenance of Hair Follicle Immune Privilege Is Linked to Prevention of NK Cell Attack. Journal of Investigative Dermatology, 2008, 128, 1196-1206.	0.7	229

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37	Pathobiology of chemotherapy-induced hair loss. Lancet Oncology, The, 2013, 14, e50-e59.	10.7	222
38	A Guide to Studying Human Hair Follicle Cycling In Vivo. Journal of Investigative Dermatology, 2016, 136, 34-44.	0.7	219
39	Melatonin: A Cutaneous Perspective on its Production, Metabolism, and Functions. Journal of Investigative Dermatology, 2018, 138, 490-499.	0.7	217
40	Active Hair Growth (Anagen) is Associated with Angiogenesis. Journal of Investigative Dermatology, 2000, 114, 909-916.	0.7	215
41	Characterization of Functional Vanilloid Receptors Expressed by Mast Cells. Blood, 1998, 91, 1332-1340.	1.4	208
42	Noggin is required for induction of the hair follicle growth phase in postnatal skin. FASEB Journal, 2001, 15, 2205-2214.	0.5	207
43	The endocannabinoid system of the skin in health and disease: novel perspectives and therapeutic opportunities. Trends in Pharmacological Sciences, 2009, 30, 411-420.	8.7	207
44	Melanogenesis Is Coupled to Murine Anagen: Toward New Concepts for the Role of Melanocytes and the Regulation of Melanogenesis in Hair Growth.. Journal of Investigative Dermatology, 1993, 101, 90S-97S.	0.7	206
45	Transcriptional Programming of Normal and Inflamed Human Epidermis at Single-Cell Resolution. Cell Reports, 2018, 25, 871-883.	6.4	206
46	The Hair Follicle and Immune Privilege. Journal of Investigative Dermatology Symposium Proceedings, 2003, 8, 188-194.	0.8	204
47	Senile hair graying: H ₂ O ₂ â€mediated oxidative stress affects human hair color by blunting methionine sulfoxide repair. FASEB Journal, 2009, 23, 2065-2075.	0.5	202
48	Lichen planopilaris is characterized by immune privilege collapse of the hair follicle's epithelial stem cell niche. Journal of Pathology, 2013, 231, 236-247.	4.5	201
49	Cannabidiol exerts sebostatic and antiinflammatory effects on human sebocytes. Journal of Clinical Investigation, 2014, 124, 3713-3724.	8.2	199
50	Stress Inhibits Hair Growth in Mice by Induction of Premature Catagen Development and Deleterious Perifollicular Inflammatory Events via Neuropeptide Substance P-Dependent Pathways. American Journal of Pathology, 2003, 162, 803-814.	3.8	196
51	Melanogenesis During the Anagen-Catagen-Telogen Transformation of the Murine Hair Cycle. Journal of Investigative Dermatology, 1994, 102, 862-869.	0.7	190
52	A Synthetic Sandalwood Odorant Induces Wound-Healing Processes in Human Keratinocytes via the Olfactory Receptor OR2AT4. Journal of Investigative Dermatology, 2014, 134, 2823-2832.	0.7	190
53	Immunophenotyping of the human bulge region: the quest to define useful in situ markers for human epithelial hair follicle stem cells and their niche. Experimental Dermatology, 2008, 17, 592-609.	2.9	181
54	A Hot New Twist to Hair Biology. American Journal of Pathology, 2005, 166, 985-998.	3.8	179

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55	Neuropeptide Control Mechanisms in Cutaneous Biology: Physiological and Clinical Significance. Journal of Investigative Dermatology, 2006, 126, 1937-1947.	0.7	179
56	The mesenchymal component of hair follicle neogenesis: background, methods and molecular characterization. Experimental Dermatology, 2010, 19, 89-99.	2.9	176
57	Burden of Hair Loss: Stress and the Underestimated Psychosocial Impact of Telogen Effluvium and Androgenetic Alopecia. Journal of Investigative Dermatology, 2004, 123, 455-457.	0.7	172
58	The Hair Follicle as an Estrogen Target and Source. Endocrine Reviews, 2006, 27, 677-706.	20.1	168
59	Melanogenesis is coupled to murine anagen: Toward new concepts for the role of melanocytes and the regulation of melanogenesis in hair growth. Journal of Investigative Dermatology, 1993, 101, S90-S97.	0.7	167
60	Hair follicle stem cells: Walking the maze. European Journal of Cell Biology, 2007, 86, 355-376.	3.6	167
61	Probing the Effects of Stress Mediators on the Human Hair Follicle. American Journal of Pathology, 2007, 171, 1872-1886.	3.8	164
62	Mast Cell Involvement in Murine Hair Growth. Developmental Biology, 1994, 163, 230-240.	2.0	158
63	Melanocytes as "Sensory" and Regulatory Cells in the Epidermis. Journal of Theoretical Biology, 1993, 164, 103-120.	1.7	156
64	The Role of the Hairless (hr) Gene in the. Regulation of Hair Follicle Catagen Transformation. American Journal of Pathology, 1999, 155, 159-171.	3.8	156
65	Human hair follicle organ culture: theory, application and perspectives. Experimental Dermatology, 2015, 24, 903-911.	2.9	154
66	NF-ÎºB transmits Eda A1/EdaR signalling to activate Shh and cyclin D1 expression, and controls post-initiation hair placode down growth. Development (Cambridge), 2006, 133, 1045-1057.	2.5	153
67	Cdc42 controls progenitor cell differentiation and beta-catenin turnover in skin. Genes and Development, 2006, 20, 571-585.	5.9	151
68	Melatonin as a major skin protectant: from free radical scavenging to DNA damage repair. Experimental Dermatology, 2008, 17, 713-730.	2.9	151
69	Alkaline phosphatase activity and localization during the murine hair cycle. British Journal of Dermatology, 1994, 131, 303-310.	1.5	150
70	The Pathogenesis of Primary Cicatricial Alopecias. American Journal of Pathology, 2010, 177, 2152-2162.	3.8	150
71	The TGF-Î²2 Isoform Is Both a Required and Sufficient Inducer of Murine Hair Follicle Morphogenesis. Developmental Biology, 1999, 212, 278-289.	2.0	148
72	Vitiligo pathogenesis: autoimmune disease, genetic defect, excessive reactive oxygen species, calcium imbalance, or what else?. Experimental Dermatology, 2008, 17, 139-140.	2.9	148

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73	Evidence that the bulge region is a site of relative immune privilege in human hair follicles. British Journal of Dermatology, 2008, 159, 1077-85.	1.5	148
74	Is there a â€˜gutâ€“brainâ€“skin axisâ€™?. Experimental Dermatology, 2010, 19, 401-405.	2.9	147
75	Beyond Wavy Hairs. American Journal of Pathology, 2008, 173, 14-24.	3.8	146
76	Circadian Clock Genes Contribute to the Regulation of Hair Follicle Cycling. PLoS Genetics, 2009, 5, e1000573.	3.5	146
77	Mast Cell-Mediated Antigen Presentation Regulates CD8+ T Cell Effector Functions. Immunity, 2009, 31, 665-676.	14.3	145
78	Macrophages Contribute to the Cyclic Activation of Adult Hair Follicle Stem Cells. PLoS Biology, 2014, 12, e1002002.	5.6	145
79	Molecular biology of hair morphogenesis: Development and cycling. The Journal of Experimental Zoology, 2003, 298B, 164-180.	1.4	144
80	Sebocytes, multifaceted epithelial cells: Lipid production and holocrine secretion. International Journal of Biochemistry and Cell Biology, 2010, 42, 181-185.	2.8	143
81	The Lysosomal Protease Cathepsin L Is an Important Regulator of Keratinocyte and Melanocyte Differentiation During Hair Follicle Morphogenesis and Cycling. American Journal of Pathology, 2002, 160, 1807-1821.	3.8	142
82	Differential Expression and Activity of Melanogenesis-Related Proteins During Induced Hair Growth in Mice. Journal of Investigative Dermatology, 1991, 96, 172-179.	0.7	141
83	Chemotherapy-induced alopecia in mice. Induction by cyclophosphamide, inhibition by cyclosporine A, and modulation by dexamethasone. American Journal of Pathology, 1994, 144, 719-34.	3.8	141
84	Exploring the â€œHair Growthâ€“Wound Healing Connectionâ€: Anagen Phase Promotes Wound Re-Epithelialization. Journal of Investigative Dermatology, 2011, 131, 518-528.	0.7	137
85	What causes alopecia areata?. Experimental Dermatology, 2013, 22, 609-626.	2.9	137
86	Plasticity and Cytokinetic Dynamics of the Hair Follicle Mesenchyme: Implications for Hair Growth Control. Journal of Investigative Dermatology, 2003, 120, 895-904.	0.7	135
87	â€˜Fish mattersâ€™: the relevance of fish skin biology to investigative dermatology. Experimental Dermatology, 2010, 19, 313-324.	2.9	135
88	Indications for a brainâ€hair follicle axis: inhibition of keratinocyte proliferation and upâ€regulation of keratinocyte apoptosis in telogen hair follicles by stress and substance P. FASEB Journal, 2001, 15, 2536-2538.	0.5	134
89	Cutaneous Expression of CRH and CRHâ€R: Is There a â€œSkin Stress Response System?â€. Annals of the New York Academy of Sciences, 1999, 885, 287-311.	3.8	132
90	Hair growth inhibition by psychoemotional stress: a mouse model for neural mechanisms in hair growth control. Experimental Dermatology, 2006, 15, 1-13.	2.9	131

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91	Generation and Cyclic Remodeling of the Hair Follicle Immune System in Mice. Journal of Investigative Dermatology, 1998, 111, 7-18.	0.7	130
92	Involvement of hepatocyte growth factor/scatter factor and Met receptor signaling in hair follicle morphogenesis and cycling. FASEB Journal, 2000, 14, 319-332.	0.5	129
93	Human Scalp Hair Follicles Are Both a Target and a Source of Prolactin, which Serves as an Autocrine and/or Paracrine Promoter of Apoptosis-Driven Hair Follicle Regression. American Journal of Pathology, 2006, 168, 748-756.	3.8	128
94	Hair cycle-dependent plasticity of skin and hair follicle innervation in normal murine skin. , 1997, 386, 379-395.		127
95	A Murine Model for Inducing and Manipulating Hair Follicle Regression (Catagen): Effects of Dexamethasone and Cyclosporin A. Journal of Investigative Dermatology, 1994, 103, 143-147.	0.7	126
96	Do Hair Bulb Melanocytes Undergo Apotosis During Hair Follicle Regression (Catagen)?. Journal of Investigative Dermatology, 1998, 111, 941-947.	0.7	126
97	Is alopecia areata an autoimmune-response against melanogenesis-related proteins, exposed by abnormal MHC class I expression in the anagen hair bulb?. Yale Journal of Biology and Medicine, 1993, 66, 541-54.	0.2	126
98	Endocannabinoids enhance lipid synthesis and apoptosis of human sebocytes via cannabinoid receptorâ€2â€mediated signaling. FASEB Journal, 2008, 22, 3685-3695.	0.5	125
99	Resting no more: reâ€defining telogen, the maintenance stage of the hair growth cycle. Biological Reviews, 2015, 90, 1179-1196.	10.4	125
100	Immunology of the Human Nail Apparatus: The Nail Matrix Is a Site of Relative Immune Privilege. Journal of Investigative Dermatology, 2005, 125, 1139-1148.	0.7	124
101	Thyroid Hormones Directly Alter Human Hair Follicle Functions: Anagen Prolongation and Stimulation of Both Hair Matrix Keratinocyte Proliferation and Hair Pigmentation. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 4381-4388.	3.6	123
102	Methods in hair research: how to objectively distinguish between anagen and catagen in human hair follicle organ culture. Experimental Dermatology, 2010, 19, 305-312.	2.9	123
103	Towards the development of a simplified long-term organ culture method for human scalp skin and its appendages under serum-free conditions. Experimental Dermatology, 2007, 16, 37-44.	2.9	122
104	A role of melatonin in neuroectodermalâ€mesodermal interactions: the hair follicle synthesizes melatonin and expresses functional melatonin receptors. FASEB Journal, 2005, 19, 1710-1712.	0.5	121
105	Hair follicle immune privilege and its collapse in alopecia areata. Experimental Dermatology, 2020, 29, 703-725.	2.9	120
106	Proopiomelanocortin expression in the skin during induced hair growth in mice. Experientia, 1992, 48, 50-54.	1.2	119
107	Molecular and functional aspects of the hairless (hr) gene in laboratory rodents and humans. Experimental Dermatology, 1998, 7, 249-267.	2.9	117
108	A simple immunofluorescence technique for simultaneous visualization of mast cells and nerve fibers reveals selectivity and hair cycle - dependent changes in mast cell - nerve fiber contacts in murine skin. Archives of Dermatological Research, 1997, 289, 292-302.	1.9	114

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109	Endocannabinoids limit excessive mast cell maturation and activation in human skin. Journal of Allergy and Clinical Immunology, 2012, 129, 726-738.e8.	2.9	114
110	Abnormal Interactions between Perifollicular Mast Cells and CD8+ T-Cells May Contribute to the Pathogenesis of Alopecia Areata. PLoS ONE, 2014, 9, e94260.	2.5	114
111	Transforming Growth Factor-Î² Receptor Type I and Type II Expression During Murine Hair Follicle Development and Cycling. Journal of Investigative Dermatology, 1997, 109, 518-526.	0.7	113
112	Site-specific immunophenotyping of keloid disease demonstrates immune upregulation and the presence of lymphoid aggregates. British Journal of Dermatology, 2012, 167, 1053-1066.	1.5	112
113	Antimicrobial Peptides (AMPs) from Fish Epidermis: Perspectives for Investigative Dermatology. Journal of Investigative Dermatology, 2013, 133, 1140-1149.	0.7	111
114	Human epithelial hair follicle stem cells and their progeny: Current state of knowledge, the widening gap in translational research and future challenges. BioEssays, 2014, 36, 513-525.	2.5	111
115	Melatonin and the hair follicle. Journal of Pineal Research, 2008, 44, 1-15.	7.4	110
116	Principles of Hair Cycle Control. Journal of Dermatology, 1998, 25, 793-802.	1.2	108
117	Interferon-gamma is a potent inducer of catagen-like changes in cultured human anagen hair follicles. British Journal of Dermatology, 2005, 152, 623-631.	1.5	108
118	A Guide to Assessing Damage Response Pathways of the Hair Follicle: Lessons From Cyclophosphamide-Induced Alopecia in Mice. Journal of Investigative Dermatology, 2005, 125, 42-51.	0.7	108
119	Neurogenic Inflammation in Stress-Induced Termination of Murine Hair Growth Is Promoted by Nerve Growth Factor. American Journal of Pathology, 2004, 165, 259-271.	3.8	107
120	From the Brain-Skin Connection: The Neuroendocrine-Immune Misalliance of Stress and Itch. NeuroImmunoModulation, 2006, 13, 347-356.	1.8	107
121	Runx1 Directly Promotes Proliferation of Hair Follicle Stem Cells and Epithelial Tumor Formation in Mouse Skin. Molecular and Cellular Biology, 2010, 30, 2518-2536.	2.3	107
122	Immunology of the Hair Follicle: A Short Journey into terra incognita. Journal of Investigative Dermatology Symposium Proceedings, 1999, 4, 226-234.	0.8	105
123	Vanilloid Receptor-1 (VR1) is Widely Expressed on Various Epithelial and Mesenchymal Cell Types of Human Skin. Journal of Investigative Dermatology, 2004, 123, 410-413.	0.7	105
124	Cutaneous Immunomodulation and Coordination of Skin Stress Responses by Î±-Melanocyte-Stimulating Hormonea. Annals of the New York Academy of Sciences, 1998, 840, 381-394.	3.8	104
125	Management of primary cicatricial alopecias: options for treatment. British Journal of Dermatology, 2008, 159, 1-22.	1.5	104
126	Lhx2 differentially regulates Sox9, Tcf4 and Lgr5 in hair follicle stem cells to promote epidermal regeneration after injury. Development (Cambridge), 2011, 138, 4843-4852.	2.5	104

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127	Neuroendocrinology of the hair follicle: principles and clinical perspectives. Trends in Molecular Medicine, 2014, 20, 559-570.	6.7	104
128	Skin as an endocrine organ: implications for its function. Drug Discovery Today Disease Mechanisms, 2008, 5, e137-e144.	0.8	103
129	IL-15 constrains mast cellâ€“dependent antibacterial defenses by suppressing chymase activities. Nature Medicine, 2007, 13, 927-934.	30.7	102
130	Endocannabinoids Modulate Human Epidermal Keratinocyte Proliferation and Survival via the Sequential Engagement of Cannabinoid Receptor-1 and Transient Receptor Potential Vanilloid-1. Journal of Investigative Dermatology, 2011, 131, 1095-1104.	0.7	102
131	Activation of Transient Receptor Potential Vanilloid-3 Inhibits Human Hair Growth. Journal of Investigative Dermatology, 2011, 131, 1605-1614.	0.7	101
132	Dissecting the Impact of Chemotherapy on the Human Hair Follicle. American Journal of Pathology, 2007, 171, 1153-1167.	3.8	100
133	Neural Mechanisms of Hair Growth Control. Journal of Investigative Dermatology Symposium Proceedings, 1997, 2, 61-68.	0.8	99
134	The Fate of Hair Follicle Melanocytes During the Hair Growth Cycle. Journal of Investigative Dermatology Symposium Proceedings, 1999, 4, 323-332.	0.8	99
135	Migration of Melanoblasts into the Developing Murine Hair Follicle Is Accompanied by Transient c-Kit Expression. Journal of Histochemistry and Cytochemistry, 2002, 50, 751-766.	2.5	99
136	Inhibition of human hair follicle growth by endoâ€and exocannabinoids. FASEB Journal, 2007, 21, 3534-3541.	0.5	98
137	Hair Follicle Immune Privilege Revisited: The Key to Alopecia Areata Management. Journal of Investigative Dermatology Symposium Proceedings, 2018, 19, S12-S17.	0.8	97
138	Hair-Cycle-Associated Remodeling of the Peptidergic Innervation of Murine Skin, and Hair Growth Modulation by Neuropeptides. Journal of Investigative Dermatology, 2001, 116, 236-245.	0.7	96
139	How not to get scar(r)ed: pointers to the correct diagnosis in patients with suspected primary cicatricial alopecia. British Journal of Dermatology, 2009, 160, 482-501.	1.5	96
140	Immunohistological pointers to a possible role for excessive cathelicidin (LLâ€37) expression by apocrine sweat glands in the pathogenesis of hidradenitis suppurativa/acne inversa. British Journal of Dermatology, 2012, 166, 1023-1034.	1.5	96
141	Clusters of Perifollicular Macrophages in Normal Murine Skin: Physiological Degeneration of Selected Hair Follicles by Programmed Organ Deletion. Journal of Histochemistry and Cytochemistry, 1998, 46, 361-370.	2.5	95
142	Prolactin and the Skin: A Dermatological Perspective on an Ancient Pleiotropic Peptide Hormone. Journal of Investigative Dermatology, 2009, 129, 1071-1087.	0.7	95
143	A role for p75 neurotrophin receptor in the control of apoptosisâ€driven hair follicle regression. FASEB Journal, 2000, 14, 1931-1942.	0.5	94
144	Thyroid-Stimulating Hormone, a Novel, Locally Produced Modulator of Human Epidermal Functions, Is Regulated by Thyrotropin-Releasing Hormone and Thyroid Hormones. Endocrinology, 2010, 151, 1633-1642.	2.8	94

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145	A new role for neurotrophins: involvement of brainâ€derived neurotrophic factor and neurotrophinâ€4 in hair cycle control. FASEB Journal, 1999, 13, 395-410.	0.5	93
146	Management of alopecia areata. BMJ: British Medical Journal, 2010, 341, c3671-c3671.	2.3	93
147	Detection of proopiomelanocortin-derived antigens in normal and pathologic human skin. Translational Research, 1993, 122, 658-66.	2.3	93
148	Hair cycle-dependent expression of corticotropin-releasing factor (CRF) and CRF receptors in murine skin. FASEB Journal, 1998, 12, 287-297.	0.5	92
149	Prolactin and Its Receptor Are Expressed in Murine Hair Follicle Epithelium, Show Hair Cycle-Dependent Expression, and Induce Catagen. American Journal of Pathology, 2003, 162, 1611-1621.	3.8	91
150	Towards Dissecting the Pathogenesis of Retinoid-Induced Hair Loss: All-Trans Retinoic Acid Induces Premature Hair Follicle Regression (Catagen) by Upregulation of Transforming Growth Factor-Î²2 in the Dermal Papilla. Journal of Investigative Dermatology, 2005, 124, 1119-1126.	0.7	91
151	Hair Cycle-Dependent Changes in Adrenergic Skin Innervation, and Hair Growth Modulation by Adrenergic Drugs. Journal of Investigative Dermatology, 1999, 113, 878-887.	0.7	90
152	Homeostasis of the sebaceous gland and mechanisms of acne pathogenesis. British Journal of Dermatology, 2019, 181, 677-690.	1.5	90
153	What causes hidradenitis suppurativa ?â€”15 years after. Experimental Dermatology, 2020, 29, 1154-1170.	2.9	90
154	TRP channels as novel players in the pathogenesis and therapy of itch. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2007, 1772, 1004-1021.	3.8	89
155	Lichen Planopilaris and Frontal Fibrosing Alopecia as Model Epithelial Stem Cell Diseases. Trends in Molecular Medicine, 2018, 24, 435-448.	6.7	89
156	Olfactory receptor OR2AT4 regulates human hair growth. Nature Communications, 2018, 9, 3624.	12.8	89
157	Distribution and changing density of gamma-delta T cells in murine skin during the induced hair cycle. British Journal of Dermatology, 1994, 130, 281-289.	1.5	88
158	Epithelial growth control by neurotrophins: leads and lessons from the hair follicle. Progress in Brain Research, 2004, 146, 493-513.	1.4	88
159	Functional histopathology of keloid disease. Histology and Histopathology, 2015, 30, 1033-57.	0.7	88
160	Substance P stimulates murine epidermal keratinocyte proliferation and dermal mast cell degranulation in situ. Archives of Dermatological Research, 1995, 287, 500-502.	1.9	86
161	Nerve growth factor modulates keratinocyte proliferation in murine skin organ culture. British Journal of Dermatology, 1994, 130, 174-180.	1.5	85
162	Patterns of cell death: the significance of apoptosis for dermatology. Experimental Dermatology, 1993, 2, 3-10.	2.9	84

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163	Simple and rapid method to isolate and culture follicular papillae from human scalp hair follicles. Experimental Dermatology, 2002, 11, 381-385.	2.9	84
164	Hair Cycle Control by Estrogens: Catagen Induction via Estrogen Receptor (ER)-Î± Is Checked by ERÎ² Signaling. Endocrinology, 2005, 146, 1214-1225.	2.8	84
165	A Meeting of Two Chronobiological Systems: Circadian Proteins Period1 and BMAL1 Modulate the Human Hair Cycle Clock. Journal of Investigative Dermatology, 2014, 134, 610-619.	0.7	84
166	Alopecia areata: Animal models illuminate autoimmune pathogenesis and novel immunotherapeutic strategies. Autoimmunity Reviews, 2016, 15, 726-735.	5.8	84
167	Patterns of Proliferation and Apoptosis during Murine Hair Follicle Morphogenesis. Journal of Investigative Dermatology, 2001, 116, 947-955.	0.7	83
168	Chronobiology of the Hair Follicle: Hunting the â€œHair Cycle Clockâ€• Journal of Investigative Dermatology Symposium Proceedings, 1999, 4, 338-345.	0.8	82
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