

Erwin Tschachler

List of Publications by Citations

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231
papers

10,628
citations

52
h-index

95
g-index

242
ext. papers

11,923
ext. citations

4.7
avg, IF

5.89
L-index

#	Paper	IF	Citations
231	Angiosarcomas express mixed endothelial phenotypes of blood and lymphatic capillaries: podoplanin as a specific marker for lymphatic endothelium. <i>American Journal of Pathology</i> , 1999 , 154, 385-94	5.8	886
230	Psoriasis-like skin disease and arthritis caused by inducible epidermal deletion of Jun proteins. <i>Nature</i> , 2005 , 437, 369-75	50.4	463
229	Epidermal Langerhans cells--a target for HTLV-III/LAV infection. <i>Journal of Investigative Dermatology</i> , 1987 , 88, 233-7	4.3	345
228	Caspase-14: analysis of gene structure and mRNA expression during keratinocyte differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 277, 655-9	3.4	322
227	Human caspase 12 has acquired deleterious mutations. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 293, 722-6	3.4	300
226	miR-17, miR-19b, miR-20a, and miR-106a are down-regulated in human aging. <i>Aging Cell</i> , 2010 , 9, 291-6	9.9	295
225	Cell death by cornification. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013 , 1833, 3471-3480	4.9	266
224	Expression of Thy-1 antigen by murine epidermal cells. <i>Journal of Investigative Dermatology</i> , 1983 , 81, 282-5	4.3	206
223	Knockdown of filaggrin impairs diffusion barrier function and increases UV sensitivity in a human skin model. <i>Journal of Investigative Dermatology</i> , 2010 , 130, 2286-94	4.3	204
222	Activator protein 1 (Fos/Jun) functions in inflammatory bone and skin disease. <i>Arthritis Research and Therapy</i> , 2008 , 10, 201	5.7	201
221	Filaggrin genotype in ichthyosis vulgaris predicts abnormalities in epidermal structure and function. <i>American Journal of Pathology</i> , 2011 , 178, 2252-63	5.8	182
220	Terminal differentiation of human keratinocytes and stratum corneum formation is associated with caspase-14 activation. <i>Journal of Investigative Dermatology</i> , 2000 , 115, 1148-51	4.3	169
219	Psoriasis: what we have learned from mouse models. <i>Nature Reviews Rheumatology</i> , 2010 , 6, 704-14	8.1	152
218	Melanin binds reversibly to thermostable DNA polymerase and inhibits its activity. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 271, 726-30	3.4	147
217	European guideline on chronic pruritus. <i>Acta Dermato-Venereologica</i> , 2012 , 92, 563-81	2.2	137
216	Kaposi's sarcoma-like tumors in a human herpesvirus 8 ORF74 transgenic mouse. <i>Journal of Virology</i> , 2003 , 77, 2631-9	6.6	126
215	Relative contribution of intrinsic vs extrinsic factors to skin aging as determined by a validated skin age score. <i>Archives of Dermatology</i> , 2002 , 138, 1454-60		120

214	Guanylate-binding protein-1 expression is selectively induced by inflammatory cytokines and is an activation marker of endothelial cells during inflammatory diseases. <i>American Journal of Pathology</i> , 2002 , 161, 1749-59	5.8	112
213	HIV-related skin diseases. <i>Lancet, The</i> , 1996 , 348, 659-63	4.0	111
212	Acute modulations in permeability barrier function regulate epidermal cornification: role of caspase-14 and the protease-activated receptor type 2. <i>American Journal of Pathology</i> , 2008 , 172, 86-97	5.8	109
211	Analysis of circadian and ultradian rhythms of skin surface properties of face and forearm of healthy women. <i>Journal of Investigative Dermatology</i> , 2001 , 117, 718-24	4.3	102
210	Human keratinocytes express the three major splice forms of vascular endothelial growth factor. <i>Journal of Investigative Dermatology</i> , 1995 , 104, 7-10	4.3	98
209	Autophagy is induced by UVA and promotes removal of oxidized phospholipids and protein aggregates in epidermal keratinocytes. <i>Journal of Investigative Dermatology</i> , 2013 , 133, 1629-37	4.3	96
208	Loss of vascular endothelial growth factor activity in murine epidermal keratinocytes delays wound healing and inhibits tumor formation. <i>Cancer Research</i> , 2004 , 64, 3508-16	10.1	96
207	Characterization of a chemokine receptor-related gene in human herpesvirus 8 and its expression in Kaposi's sarcoma. <i>Virology</i> , 1997 , 228, 371-8	3.6	95
206	Targeting miR-21 to treat psoriasis. <i>Science Translational Medicine</i> , 2014 , 6, 225re1	17.5	94
205	Caspase-14 expression by epidermal keratinocytes is regulated by retinoids in a differentiation-associated manner. <i>Journal of Investigative Dermatology</i> , 2002 , 119, 1150-5	4.3	91
204	Retinoic acid increases the expression of p53 and proapoptotic caspases and sensitizes keratinocytes to apoptosis: a possible explanation for tumor preventive action of retinoids. <i>Cancer Research</i> , 2004 , 64, 6542-8	10.1	90
203	Primary sources and immunological prerequisites for sST2 secretion in humans. <i>Cardiovascular Research</i> , 2010 , 87, 769-77	9.9	89
202	Fos and jun proteins are specifically expressed during differentiation of human keratinocytes. <i>Journal of Investigative Dermatology</i> , 2005 , 124, 212-20	4.3	89
201	Increased sensitivity of histidinemic mice to UVB radiation suggests a crucial role of endogenous urocanic acid in photoprotection. <i>Journal of Investigative Dermatology</i> , 2011 , 131, 188-94	4.3	87
200	Identification of reptilian genes encoding hair keratin-like proteins suggests a new scenario for the evolutionary origin of hair. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 18419-23	11.5	86
199	Evolutionary origin and diversification of epidermal barrier proteins in amniotes. <i>Molecular Biology and Evolution</i> , 2014 , 31, 3194-205	8.3	85
198	High levels of oncomiR-21 contribute to the senescence-induced growth arrest in normal human cells and its knock-down increases the replicative lifespan. <i>Aging Cell</i> , 2013 , 12, 446-58	9.9	81
197	Identification of novel mammalian caspases reveals an important role of gene loss in shaping the human caspase repertoire. <i>Molecular Biology and Evolution</i> , 2008 , 25, 831-41	8.3	80

196	Epidermal vascular endothelial growth factor production is required for permeability barrier homeostasis, dermal angiogenesis, and the development of epidermal hyperplasia: implications for the pathogenesis of psoriasis. <i>American Journal of Pathology</i> , 2008 , 173, 689-99	5.8	75
195	Activation of Nrf2 in keratinocytes causes chloracne (MADISH)-like skin disease in mice. <i>EMBO Molecular Medicine</i> , 2014 , 6, 442-57	12	71
194	Characterization of an HIV-1 point mutant blocked in envelope glycoprotein cleavage. <i>Virology</i> , 1990 , 174, 217-24	3.6	71
193	Secretome of apoptotic peripheral blood cells (APOSEC) confers cytoprotection to cardiomyocytes and inhibits tissue remodelling after acute myocardial infarction: a preclinical study. <i>Basic Research in Cardiology</i> , 2011 , 106, 1283-97	11.8	70
192	Suppression of autophagy dysregulates the antioxidant response and causes premature senescence of melanocytes. <i>Journal of Investigative Dermatology</i> , 2015 , 135, 1348-1357	4.3	67
191	Flagellin is the principal inducer of the antimicrobial peptide S100A7c (psoriasin) in human epidermal keratinocytes exposed to <i>Escherichia coli</i> . <i>FASEB Journal</i> , 2008 , 22, 2168-76	0.9	67
190	NF-E2-related factor 2 regulates the stress response to UVA-1-oxidized phospholipids in skin cells. <i>FASEB Journal</i> , 2010 , 24, 39-48	0.9	66
189	Human keratinocytes express cellular prion-related protein in vitro and during inflammatory skin diseases. <i>American Journal of Pathology</i> , 1998 , 153, 1353-8	5.8	65
188	Gene silencing in a human organotypic skin model. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 348, 76-82	3.4	63
187	A simplified procedure for semi-targeted lipidomic analysis of oxidized phosphatidylcholines induced by UVA irradiation. <i>Journal of Lipid Research</i> , 2012 , 53, 1232-42	6.3	60
186	UVA and UVB Radiation Differentially Regulate Vascular Endothelial Growth Factor Expression in Keratinocyte-derived Cell Lines and in Human Keratinocytes. <i>Photochemistry and Photobiology</i> , 1999 , 70, 674-679	3.6	59
185	The antimicrobial heterodimer S100A8/S100A9 (calprotectin) is upregulated by bacterial flagellin in human epidermal keratinocytes. <i>Journal of Investigative Dermatology</i> , 2010 , 130, 2423-30	4.3	57
184	Autophagy deficient keratinocytes display increased DNA damage, senescence and aberrant lipid composition after oxidative stress in vitro and in vivo. <i>Redox Biology</i> , 2017 , 11, 219-230	11.3	56
183	Deciphering the functional heterogeneity of skin fibroblasts using single-cell RNA sequencing. <i>FASEB Journal</i> , 2020 , 34, 3677-3692	0.9	55
182	Lymphatic precollectors contain a novel, specialized subpopulation of podoplanin low, CCL27-expressing lymphatic endothelial cells. <i>American Journal of Pathology</i> , 2008 , 173, 1202-9	5.8	55
181	Essential role of the keratinocyte-specific endonuclease DNase1L2 in the removal of nuclear DNA from hair and nails. <i>Journal of Investigative Dermatology</i> , 2011 , 131, 1208-15	4.3	53
180	DNase1L2 degrades nuclear DNA during corneocyte formation. <i>Journal of Investigative Dermatology</i> , 2007 , 127, 24-30	4.3	53
179	Biological false-positive tests comprise a high proportion of Venereal Disease Research Laboratory reactions in an analysis of 300,000 sera. <i>International Journal of STD and AIDS</i> , 2005 , 16, 722-6	1.4	52

178	Convergent evolution of cysteine-rich proteins in feathers and hair. <i>BMC Evolutionary Biology</i> , 2015 , 15, 82	3	51
177	Trichohyalin-like proteins have evolutionarily conserved roles in the morphogenesis of skin appendages. <i>Journal of Investigative Dermatology</i> , 2014 , 134, 2685-2692	4.3	51
176	Functional MC1R-gene variants are associated with increased risk for severe photoaging of facial skin. <i>Journal of Investigative Dermatology</i> , 2010 , 130, 1107-15	4.3	51
175	Psoriasis: the epidermal component. <i>Clinics in Dermatology</i> , 2007 , 25, 589-95	3	50
174	Photooxidation generates biologically active phospholipids that induce heme oxygenase-1 in skin cells. <i>Journal of Biological Chemistry</i> , 2007 , 282, 16934-41	5.4	49
173	Sheet preparations expose the dermal nerve plexus of human skin and render the dermal nerve end organ accessible to extensive analysis. <i>Journal of Investigative Dermatology</i> , 2004 , 122, 177-82	4.3	49
172	Holocrine Secretion of Sebum Is a Unique DNase2-Dependent Mode of Programmed Cell Death. <i>Journal of Investigative Dermatology</i> , 2017 , 137, 587-594	4.3	48
171	Dual role of the antioxidant enzyme peroxiredoxin 6 in skin carcinogenesis. <i>Cancer Research</i> , 2013 , 73, 3460-9	10.1	47
170	Secretome of peripheral blood mononuclear cells enhances wound healing. <i>PLoS ONE</i> , 2013 , 8, e60103	3.7	47
169	Retinoids downregulate vascular endothelial growth factor/vascular permeability factor production by normal human keratinocytes. <i>Journal of Investigative Dermatology</i> , 1998 , 111, 907-11	4.3	47
168	Stratum corneum-derived caspase-14 is catalytically active. <i>FEBS Letters</i> , 2004 , 577, 446-50	3.8	47
167	The touch dome in human skin is supplied by different types of nerve fibers. <i>Annals of Neurology</i> , 2005 , 58, 88-95	9.4	47
166	The Winter Season Affects More Severely the Facial Skin than the Forearm Skin: Comparative Biophysical Studies Conducted in the Same Japanese Females in Later Summer and Winter. <i>Exogenous Dermatology</i> , 2002 , 1, 32-38		47
165	Inactivation of VEGF in mammary gland epithelium severely compromises mammary gland development and function. <i>FASEB Journal</i> , 2007 , 21, 3994-4004	0.9	46
164	Epidermal keratinocytes form a functional skin barrier in the absence of Atg7 dependent autophagy. <i>Journal of Dermatological Science</i> , 2013 , 71, 67-75	4.3	45
163	Is the filaggrin-histidine-urocanic acid pathway essential for stratum corneum acidification?. <i>Journal of Investigative Dermatology</i> , 2010 , 130, 2141-4	4.3	44
162	Hepatocyte growth factor establishes autocrine and paracrine feedback loops for the protection of skin cells after UV irradiation. <i>Journal of Investigative Dermatology</i> , 2007 , 127, 2637-44	4.3	44
161	Vitamin D3 induces caspase-14 expression in psoriatic lesions and enhances caspase-14 processing in organotypic skin cultures. <i>American Journal of Pathology</i> , 2004 , 165, 833-41	5.8	44

160	Topical antihistamines display potent anti-inflammatory activity linked in part to enhanced permeability barrier function. <i>Journal of Investigative Dermatology</i> , 2013 , 133, 469-78	4-3	42
159	Papain Degrades Tight Junction Proteins of Human Keratinocytes In Vitro and Sensitizes C57BL/6 Mice via the Skin Independent of its Enzymatic Activity or TLR4 Activation. <i>Journal of Investigative Dermatology</i> , 2015 , 135, 1790-1800	4-3	41
158	Degradation by stratum corneum proteases prevents endogenous RNase inhibitor from blocking antimicrobial activities of RNase 5 and RNase 7. <i>Journal of Investigative Dermatology</i> , 2009 , 129, 2193-2013	4-3	41
157	Interferon-alpha prevents apoptosis of endothelial cells after short-term exposure but induces replicative senescence after continuous stimulation. <i>Laboratory Investigation</i> , 2006 , 86, 997-1007	5-9	41
156	Ultrasound affects distribution of plasminogen and tissue-type plasminogen activator in whole blood clots in vitro. <i>Thrombosis and Haemostasis</i> , 2004 , 92, 980-5	7	41
155	Autophagy in the thymic epithelium is dispensable for the development of self-tolerance in a novel mouse model. <i>PLoS ONE</i> , 2012 , 7, e38933	3-7	41
154	Identification and characterization of a novel mammalian caspase with proapoptotic activity. <i>Journal of Biological Chemistry</i> , 2005 , 280, 35077-80	5-4	39
153	Evidence that caspase-13 is not a human but a bovine gene. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 285, 1150-4	3-4	39
152	Caspase-14 but not caspase-3 is processed during the development of fetal mouse epidermis. <i>Differentiation</i> , 2005 , 73, 406-13	3-5	38
151	Epidemiologic determinants of skin photoaging: baseline data of the SU.VI.MAX. cohort. <i>Journal of the American Academy of Dermatology</i> , 2000 , 42, 47-55	4-5	38
150	Age-related changes in expression and function of Toll-like receptors in human skin. <i>Development (Cambridge)</i> , 2012 , 139, 4210-9	6-6	37
149	Cell aging and cellular senescence in skin aging - Recent advances in fibroblast and keratinocyte biology. <i>Experimental Gerontology</i> , 2020 , 130, 110780	4-5	36
148	Comparative Genomics Identifies Epidermal Proteins Associated with the Evolution of the Turtle Shell. <i>Molecular Biology and Evolution</i> , 2016 , 33, 726-37	8-3	34
147	Epidermal cornification is preceded by the expression of a keratinocyte-specific set of pyroptosis-related genes. <i>Scientific Reports</i> , 2017 , 7, 17446	4-9	34
146	The hsp27kD heat shock protein and p38-MAPK signaling are required for regular epidermal differentiation. <i>Journal of Dermatological Science</i> , 2011 , 61, 32-7	4-3	34
145	Beneficial effects of protease inhibitors on body composition and energy expenditure: a comparison between HIV-infected and AIDS patients. <i>Aids</i> , 1999 , 13, 2389-96	3-5	34
144	DNase 2 is the main DNA-degrading enzyme of the stratum corneum. <i>PLoS ONE</i> , 2011 , 6, e17581	3-7	34
143	Targeted deletion of Atg5 reveals differential roles of autophagy in keratin K5-expressing epithelia. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 430, 689-94	3-4	33

142	Anti-acanthamoeba efficacy and toxicity of miltefosine in an organotypic skin equivalent. <i>Journal of Antimicrobial Chemotherapy</i> , 2009 , 64, 539-45	5.1	33
141	Effect of hormonal replacement therapy on skin biophysical properties of menopausal women. <i>Skin Research and Technology</i> , 2005 , 11, 201-4	1.9	33
140	Hepatocyte growth factor/scatter factor inhibits UVB-induced apoptosis of human keratinocytes but not of keratinocyte-derived cell lines via the phosphatidylinositol 3-kinase/AKT pathway. <i>Journal of Biological Chemistry</i> , 2002 , 277, 14146-52	5.4	33
139	Reverse transcription-polymerase chain reaction products of alternatively spliced mRNAs form DNA heteroduplexes and heteroduplex complexes. <i>Journal of Biological Chemistry</i> , 1999 , 274, 2613-5	5.4	33
138	Infection of circulating CD34+ cells by HHV-8 in patients with Kaposi's sarcoma. <i>Journal of Investigative Dermatology</i> , 1999 , 113, 613-6	4.3	33
137	Blocking negative effects of senescence in human skin fibroblasts with a plant extract. <i>Npj Aging and Mechanisms of Disease</i> , 2018 , 4, 4	5.5	32
136	Autophagy deficient melanocytes display a senescence associated secretory phenotype that includes oxidized lipid mediators. <i>International Journal of Biochemistry and Cell Biology</i> , 2016 , 81, 375-382	5.6	32
135	Extracellular Vesicles in Human Skin: Cross-Talk from Senescent Fibroblasts to Keratinocytes by miRNAs. <i>Journal of Investigative Dermatology</i> , 2019 , 139, 2425-2436.e5	4.3	32
134	A genome-wide association study in Caucasian women points out a putative role of the STXBP5L gene in facial photoaging. <i>Journal of Investigative Dermatology</i> , 2013 , 133, 929-35	4.3	32
133	Pangolins Lack IFIH1/MDA5, a Cytoplasmic RNA Sensor That Initiates Innate Immune Defense Upon Coronavirus Infection. <i>Frontiers in Immunology</i> , 2020 , 11, 939	8.4	31
132	Ultrastructural localization of caspase-14 in human epidermis. <i>Journal of Histochemistry and Cytochemistry</i> , 2004 , 52, 1561-74	3.4	31
131	Paracrine Factors from Irradiated Peripheral Blood Mononuclear Cells Improve Skin Regeneration and Angiogenesis in a Porcine Burn Model. <i>Scientific Reports</i> , 2016 , 6, 25168	4.9	30
130	Differential Evolution of the Epidermal Keratin Cytoskeleton in Terrestrial and Aquatic Mammals. <i>Molecular Biology and Evolution</i> , 2019 , 36, 328-340	8.3	30
129	Transepidermal water loss, temperature and sebum levels on women's facial skin follow characteristic patterns. <i>Skin Research and Technology</i> , 2000 , 6, 31-36	1.9	28
128	Identification of a human cDNA encoding a novel Bcl-x isoform. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 248, 147-52	3.4	28
127	Loss of keratin K2 expression causes aberrant aggregation of K10, hyperkeratosis, and inflammation. <i>Journal of Investigative Dermatology</i> , 2014 , 134, 2579-2588	4.3	27
126	Non-melanoma skin cancer and its risk factors in an Austrian population of heart transplant recipients receiving induction therapy. <i>International Journal of Dermatology</i> , 2008 , 47, 918-25	1.7	27
125	Comparative genomics reveals conservation of filaggrin and loss of caspase-14 in dolphins. <i>Experimental Dermatology</i> , 2015 , 24, 365-9	4	26

124	Comparison of cheek and forehead regions by bioengineering methods in women with different self-reported cosmetic skin types. <i>Skin Research and Technology</i> , 1999 , 5, 182-188	1.9	26
123	A novel role for NUPR1 in the keratinocyte stress response to UV oxidized phospholipids. <i>Redox Biology</i> , 2019 , 20, 467-482	11.3	26
122	Terminal differentiation of nail matrix keratinocytes involves up-regulation of DNase1L2 but is independent of caspase-14 expression. <i>Differentiation</i> , 2007 , 75, 939-46	3.5	25
121	Characterization of a cDNA clone, encoding a 70 kDa heat shock protein from the dermatophyte pathogen <i>Trichophyton rubrum</i> . <i>Gene</i> , 2000 , 241, 27-33	3.8	25
120	Alternative splicing of caspase-8 mRNA during differentiation of human leukocytes. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 289, 777-81	3.4	25
119	Dietary monounsaturated fatty acids intake and risk of skin photoaging. <i>PLoS ONE</i> , 2012 , 7, e44490	3.7	25
118	Autophagic Control of Skin Aging. <i>Frontiers in Cell and Developmental Biology</i> , 2019 , 7, 143	5.7	24
117	Mechanisms and emerging functions of DNA degradation in the epidermis. <i>Frontiers in Bioscience - Landmark</i> , 2012 , 17, 2461-75	2.8	24
116	Nrf2 deficiency causes lipid oxidation, inflammation, and matrix-protease expression in DHA-supplemented and UVA-irradiated skin fibroblasts. <i>Free Radical Biology and Medicine</i> , 2015 , 88, 439-451	7.8	23
115	Different pro-angiogenic potential of irradiated PBMC-derived secretome and its subfractions. <i>Scientific Reports</i> , 2018 , 8, 18016	4.9	22
114	Organotypic human skin culture models constructed with senescent fibroblasts show hallmarks of skin aging. <i>Npj Aging and Mechanisms of Disease</i> , 2020 , 6, 4	5.5	21
113	In situ labeling of DNA reveals interindividual variation in nuclear DNA breakdown in hair and may be useful to predict success of forensic genotyping of hair. <i>International Journal of Legal Medicine</i> , 2012 , 126, 63-70	3.1	21
112	Morphological and phenotypical characterization of bone marrow-derived dendritic Thy-1-positive epidermal cells of the mouse. <i>Journal of Investigative Dermatology</i> , 1985 , 85, 91s-95s	4.3	21
111	Human embryonic epidermis contains a diverse Langerhans cell precursor pool. <i>Development (Cambridge)</i> , 2014 , 141, 807-15	6.6	20
110	Histidase expression in human epidermal keratinocytes: regulation by differentiation status and all-trans retinoic acid. <i>Journal of Dermatological Science</i> , 2008 , 50, 209-15	4.3	20
109	Safety and tolerability of topically administered autologous, apoptotic PBMC secretome (APOSEC) in dermal wounds: a randomized Phase 1 trial (MARSYAS I). <i>Scientific Reports</i> , 2017 , 7, 6216	4.9	19
108	Association between dietary intake of n-3 polyunsaturated fatty acids and severity of skin photoaging in a middle-aged Caucasian population. <i>Journal of Dermatological Science</i> , 2013 , 72, 233-9	4.3	18
107	MC1R gene polymorphism affects skin color and phenotypic features related to sun sensitivity in a population of French adult women. <i>Photochemistry and Photobiology</i> , 2009 , 85, 1451-8	3.6	18

106	Biological characterization of noninfectious HIV-1 particles lacking the envelope protein. <i>Virology</i> , 1992 , 187, 604-11	3.6	18
105	Immunolocalization of a Histidine-Rich Epidermal Differentiation Protein in the Chicken Supports the Hypothesis of an Evolutionary Developmental Link between the Embryonic Subperiderm and Feather Barbs and Barbules. <i>PLoS ONE</i> , 2016 , 11, e0167789	3.7	18
104	Identification and comparative analysis of the epidermal differentiation complex in snakes. <i>Scientific Reports</i> , 2017 , 7, 45338	4.9	17
103	Inactivation of DNase1L2 and DNase2 in keratinocytes suppresses DNA degradation during epidermal cornification and results in constitutive parakeratosis. <i>Scientific Reports</i> , 2017 , 7, 6433	4.9	17
102	Deleterious mutations of a claw keratin in multiple taxa of reptiles. <i>Journal of Molecular Evolution</i> , 2011 , 72, 265-73	3.1	17
101	Convergent Evolution of Cysteine-Rich Keratins in Hard Skin Appendages of Terrestrial Vertebrates. <i>Molecular Biology and Evolution</i> , 2020 , 37, 982-993	8.3	17
100	Ethnic Differences in Skin Aging 2006 , 23-31		17
99	The dimensions and characteristics of the subepidermal nerve plexus in human skin--terminal Schwann cells constitute a substantial cell population within the superficial dermis. <i>Journal of Dermatological Science</i> , 2012 , 65, 162-9	4.3	16
98	Influence of skin colour on the detection of cutaneous erythema and tanning phenomena using reflectance spectrophotometry. <i>Skin Research and Technology</i> , 2007 , 13, 236-41	1.9	16
97	2,3,7,8-tetrachlorodibenzo-p-dioxin impairs differentiation of normal human epidermal keratinocytes in a skin equivalent model. <i>Journal of Investigative Dermatology</i> , 2005 , 124, 275-7	4.3	16
96	Distribution of caspase-14 in epidermis and hair follicles is evolutionarily conserved among mammals. <i>The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology</i> , 2005 , 286, 962-73		16
95	Bioinformatics approach for choosing the correct reference genes when studying gene expression in human keratinocytes. <i>Experimental Dermatology</i> , 2015 , 24, 742-7	4	15
94	Keratins K2 and K10 are essential for the epidermal integrity of plantar skin. <i>Journal of Dermatological Science</i> , 2016 , 81, 10-6	4.3	15
93	Problems related to circadian rhythms in human skin and their validation. <i>Journal of Investigative Dermatology</i> , 1998 , 111, 708-9	4.3	15
92	Tissue-regenerative potential of the secretome of irradiated peripheral blood mononuclear cells is mediated via TNFRSF1B-induced necroptosis. <i>Cell Death and Disease</i> , 2019 , 10, 729	9.8	14
91	Phylogenomics of caspase-activated DNA fragmentation factor. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 356, 293-9	3.4	14
90	Cellular prion protein expressed by bovine squamous epithelia of skin and upper gastrointestinal tract. <i>Lancet, The</i> , 1999 , 354, 1702-3	4.0	14
89	Autophagy in epithelial homeostasis and defense. <i>Frontiers in Bioscience - Elite</i> , 2013 , 5, 1000-10	1.6	14

88	Comparative Analysis of Epidermal Differentiation Genes of Crocodylians Suggests New Models for the Evolutionary Origin of Avian Feather Proteins. <i>Genome Biology and Evolution</i> , 2018 , 10, 694-704	3.9	14
87	Phylogenetic profiling and gene expression studies implicate a primary role of PSORS1C2 in terminal differentiation of keratinocytes. <i>Experimental Dermatology</i> , 2017 , 26, 352-358	4	13
86	Escherichia coli ghosts promote innate immune responses in human keratinocytes. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 400, 78-82	3.4	13
85	Rarefaction of the peripheral nerve network in diabetic patients is associated with a pronounced reduction of terminal Schwann cells. <i>Diabetes Care</i> , 2008 , 31, 1219-21	14.6	13
84	Genome sequence comparison reveals independent inactivation of the caspase-15 gene in different evolutionary lineages of mammals. <i>Molecular Biology and Evolution</i> , 2006 , 23, 2081-9	8.3	13
83	Keratinocytes express the CD146 (Muc18/S-endo) antigen in tissue culture and during inflammatory skin diseases. <i>Journal of Investigative Dermatology</i> , 2000 , 115, 219-24	4.3	13
82	Cytosolic DNA sensing through cGAS and STING is inactivated by gene mutations in pangolins. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2020 , 25, 474-480	5.4	12
81	Inactivation of autophagy leads to changes in sebaceous gland morphology and function. <i>Experimental Dermatology</i> , 2018 , 27, 1142-1151	4	12
80	Aldehyde dehydrogenase 1A3 is transcriptionally activated by all-trans-retinoic acid in human epidermal keratinocytes. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 400, 207-11	3.4	12
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78	Sun-reactive Skin Type in 4912 French Adults Participating in the SU.VI.MAX Study¶. <i>Photochemistry and Photobiology</i> , 2005 , 81, 934	3.6	12
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