

Yves Poumay

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

91
papers

2,680
citations

28
h-index

50
g-index

131
ext. papers

3,002
ext. citations

3.9
avg, IF

4.71
L-index

#	Paper	IF	Citations
91	Lack of cadherins Celsr2 and Celsr3 impairs ependymal ciliogenesis, leading to fatal hydrocephalus. <i>Nature Neuroscience</i> , 2010 , 13, 700-7	25.5	244
90	Cell density and culture factors regulate keratinocyte commitment to differentiation and expression of suprabasal K1/K10 keratins. <i>Journal of Investigative Dermatology</i> , 1995 , 104, 271-6	4.3	199
89	Development of a chitosan nanofibrillar scaffold for skin repair and regeneration. <i>Biomacromolecules</i> , 2011 , 12, 3194-204	6.9	156
88	Analysis of interleukin-1alpha (IL-1alpha) and interleukin-8 (IL-8) expression and release in in vitro reconstructed human epidermis for the prediction of in vivo skin irritation and/or sensitization. <i>Toxicology in Vitro</i> , 2003 , 17, 311-21	3.6	132
87	A simple reconstructed human epidermis: preparation of the culture model and utilization in in vitro studies. <i>Archives of Dermatological Research</i> , 2004 , 296, 203-11	3.3	130
86	Cryopreservation for the elimination of cucumber mosaic and banana streak viruses from banana (<i>Musa</i> spp.). <i>Plant Cell Reports</i> , 2002 , 20, 1117-1122	5.1	109
85	Modelling the human epidermis in vitro: tools for basic and applied research. <i>Archives of Dermatological Research</i> , 2007 , 298, 361-9	3.3	83
84	Knockdown of filaggrin in a three-dimensional reconstructed human epidermis impairs keratinocyte differentiation. <i>Journal of Investigative Dermatology</i> , 2014 , 134, 2938-2946	4.3	80
83	Polysaccharide-coated PCL nanofibers for wound dressing applications. <i>Advanced Healthcare Materials</i> , 2014 , 3, 2032-9	10.1	69
82	Ultrastructural changes associated with cryopreservation of banana (<i>Musa</i> spp.) highly proliferating meristems. <i>Plant Cell Reports</i> , 2003 , 21, 690-8	5.1	63
81	TMEM45A is essential for hypoxia-induced chemoresistance in breast and liver cancer cells. <i>BMC Cancer</i> , 2012 , 12, 391	4.8	60
80	Inhibition of Akt signaling by exclusion from lipid rafts in normal and transformed epidermal keratinocytes. <i>Journal of Investigative Dermatology</i> , 2010 , 130, 1136-45	4.3	59
79	Cholesterol depletion upregulates involucrin expression in epidermal keratinocytes through activation of p38. <i>Journal of Investigative Dermatology</i> , 2004 , 123, 564-73	4.3	59
78	Epidermal morphogenesis during progressive in vitro 3D reconstruction at the air-liquid interface. <i>Experimental Dermatology</i> , 2012 , 21, 871-5	4	55
77	Differentiation-dependent alternative splicing and expression of the extracellular matrix protein 1 gene in human keratinocytes. <i>Journal of Investigative Dermatology</i> , 2000 , 114, 718-24	4.3	55
76	The tetraspanin CD9 associates with the integrin alpha6beta4 in cultured human epidermal keratinocytes and is involved in cell motility. <i>European Journal of Cell Biology</i> , 2000 , 79, 41-51	6.1	55
75	Differential expression and release of cytokines by an in vitro reconstructed human epidermis following exposure to skin irritant and sensitizing chemicals. <i>Toxicology in Vitro</i> , 1999 , 13, 867-77	3.6	52

74	Human EGF receptor (HER) family and heregulin members are differentially expressed in epidermal keratinocytes and modulate differentiation. <i>Experimental Cell Research</i> , 2001 , 271, 315-28	4.2	51
73	Rapid preparative isolation of concentrated low density lipoproteins and of lipoprotein-deficient serum using vertical rotor gradient ultracentrifugation. <i>Journal of Lipid Research</i> , 1985 , 26, 1476-80	6.3	48
72	Candidate housekeeping genes require evaluation before their selection for studies of human epidermal keratinocytes. <i>Journal of Investigative Dermatology</i> , 2009 , 129, 770-3	4.3	44
71	Hyaluronan metabolism in human keratinocytes and atopic dermatitis skin is driven by a balance of hyaluronan synthases 1 and 3. <i>Journal of Investigative Dermatology</i> , 2014 , 134, 2174-2182	4.3	40
70	Transcriptional profiling after lipid raft disruption in keratinocytes identifies critical mediators of atopic dermatitis pathways. <i>Journal of Investigative Dermatology</i> , 2011 , 131, 46-58	4.3	40
69	High-cell-density phorbol ester and retinoic acid upregulate involucrin and downregulate suprabasal keratin 10 in autocrine cultures of human epidermal keratinocytes. <i>Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research</i>		40
68	Heparin-binding EGF-like growth factor is induced by disruption of lipid rafts and oxidative stress in keratinocytes and participates in the epidermal response to cutaneous wounds. <i>Journal of Investigative Dermatology</i> , 2008 , 128, 717-27	4.3	36
67	Basal detachment of the epidermis using dispase: tissue spatial organization and fate of integrin alpha 6 beta 4 and hemidesmosomes. <i>Journal of Investigative Dermatology</i> , 1994 , 102, 111-7	4.3	36
66	Internalization of EGF receptor following lipid rafts disruption in keratinocytes is delayed and dependent on p38 MAPK activation. <i>Journal of Cellular Physiology</i> , 2008 , 217, 834-45	7	34
65	Ophiobolin A, a sesterterpenoid fungal phytotoxin, displays higher in vitro growth-inhibitory effects in mammalian than in plant cells and displays in vivo antitumor activity. <i>International Journal of Oncology</i> , 2013 , 43, 575-85	4.4	29
64	The CYP26 inhibitor R115866 potentiates the effects of all-trans retinoic acid on cultured human epidermal keratinocytes. <i>British Journal of Dermatology</i> , 2009 , 160, 505-13	4	28
63	Atopic Dermatitis Studies through Models. <i>Frontiers in Medicine</i> , 2017 , 4, 119	4.9	26
62	Reconstruction of normal and pathological human epidermis on polycarbonate filter. <i>Methods in Molecular Biology</i> , 2014 , 1195, 191-201	1.4	24
61	Proteomic profiling of human keratinocytes undergoing UVB-induced alternative differentiation reveals TRlpartite Motif Protein 29 as a survival factor. <i>PLoS ONE</i> , 2010 , 5, e10462	3.7	24
60	High TMEM45A expression is correlated to epidermal keratinization. <i>Experimental Dermatology</i> , 2014 , 23, 339-44	4	23
59	Study of epidermal differentiation in human keratinocytes cultured in autocrine conditions. <i>Methods in Molecular Biology</i> , 2010 , 585, 71-82	1.4	22
58	Repeated exposures to UVB induce differentiation rather than senescence of human keratinocytes lacking p16(INK-4A). <i>Biogerontology</i> , 2010 , 11, 167-81	4.5	22
57	Expression of lysosome-associated membrane protein 1 (Lamp-1) and galectins in human keratinocytes is regulated by differentiation. <i>Archives of Dermatological Research</i> , 2006 , 298, 73-81	3.3	21

56	Human epidermal keratinocytes upregulate expression of the prolactin receptor after the onset of terminal differentiation, but do not respond to prolactin. <i>Archives of Biochemistry and Biophysics</i> , 1999 , 364, 247-53	4.1	21
55	Specific internalization of basal membrane domains containing the integrin alpha 6 beta 4 in disperse-detached cultured human keratinocytes. <i>European Journal of Cell Biology</i> , 1993 , 60, 12-20	6.1	21
54	Knockdown of PKD1 in normal human epidermal keratinocytes increases mRNA expression of keratin 10 and involucrin: early markers of keratinocyte differentiation. <i>Archives of Dermatological Research</i> , 2008 , 300, 139-45	3.3	18
53	Calcium entry into keratinocytes induces exocytosis of lysosomes. <i>Archives of Dermatological Research</i> , 2004 , 296, 30-41	3.3	18
52	Effects of the cyclin-dependent kinase inhibitor CYC202 (R-roscovitine) on the physiology of cultured human keratinocytes. <i>Biochemical Pharmacology</i> , 2005 , 70, 824-36	6	18
51	HB-EGF synthesis and release induced by cholesterol depletion of human epidermal keratinocytes is controlled by extracellular ATP and involves both p38 and ERK1/2 signaling pathways. <i>Journal of Cellular Physiology</i> , 2011 , 226, 1651-9	7	17
50	Methyl- β -cyclodextrin concurs with interleukin (IL)-4, IL-13 and IL-25 to induce alterations reminiscent of atopic dermatitis in reconstructed human epidermis. <i>Experimental Dermatology</i> , 2018 , 27, 435-437	4	16
49	Modeling dermatophytosis in reconstructed human epidermis: A new tool to study infection mechanisms and to test antifungal agents. <i>Medical Mycology</i> , 2017 , 55, 485-494	3.9	15
48	In vitro models of dermatophyte infection to investigate epidermal barrier alterations. <i>Experimental Dermatology</i> , 2018 , 27, 915-922	4	15
47	Studies of cell signaling in a reconstructed human epidermis exposed to sensitizers: IL-8 synthesis and release depend on EGFR activation. <i>Archives of Dermatological Research</i> , 2012 , 304, 289-303	3.3	14
46	Hyaluronan Does Not Regulate Human Epidermal Keratinocyte Proliferation and Differentiation. <i>Journal of Biological Chemistry</i> , 2016 , 291, 6347-58	5.4	13
45	In vitro anticancer activity, toxicity and structure-activity relationships of phyllostictine A, a natural oxazatricycloalkenone produced by the fungus <i>Phyllosticta cirsii</i> . <i>Toxicology and Applied Pharmacology</i> , 2011 , 254, 8-17	4.6	13
44	Functional redundancy of extracellular matrix protein 1 in epidermal differentiation. <i>British Journal of Dermatology</i> , 2007 , 157, 771-5	4	13
43	Incubation of endothelial cells in a superoxide-generating system: impaired low-density lipoprotein receptor-mediated endocytosis. <i>Journal of Cellular Physiology</i> , 1988 , 136, 289-96	7	13
42	Preparation and characterizations of EGDE crosslinked chitosan electrospun membranes. <i>Clinical Hemorheology and Microcirculation</i> , 2015 , 60, 39-50	2.5	11
41	p38 MAPK-regulated EGFR internalization takes place in keratinocyte monolayer during stress conditions. <i>Archives of Dermatological Research</i> , 2010 , 302, 229-33	3.3	11
40	The inhibition of the expression of the small Rho GTPase Rac1 induces differentiation with no effect on cell proliferation in growing human adult keratinocytes. <i>Journal of Cellular Biochemistry</i> , 2008 , 103, 857-64	4.7	11
39	Ca(2+)/calmodulin-dependent protein kinase (CaM-kinase) inhibitor KN-62 suppresses the activity of mitogen-activated protein kinase (MAPK), c-myc activation and human keratinocyte proliferation. <i>Archives of Dermatological Research</i> , 2002 , 294, 198-202	3.3	11

38	Dual role of protein kinase C on mitogen-activated protein kinase activation and human keratinocyte proliferation. <i>Experimental Dermatology</i> , 2002 , 11, 344-8	4	11
37	Methyl-β-cyclodextrin treatment combined to incubation with interleukin-4 reproduces major features of atopic dermatitis in a 3D-culture model. <i>Archives of Dermatological Research</i> , 2017 , 309, 63-69	3.3	10
36	HB-EGF, the growth factor that accelerates keratinocyte migration, but slows proliferation. <i>Journal of Investigative Dermatology</i> , 2012 , 132, 2129-30	4.3	10
35	Development of a procedure to simultaneously isolate RNA, DNA, and proteins for [corrected] characterizing cells invading or cultured on chitosan scaffolds. <i>Analytical Biochemistry</i> , 2009 , 393, 145-7	3.1	8
34	Immunogold silver staining associated with epi-fluorescence for cucumber mosaic virus localisation on semi-thin sections of banana tissues. <i>European Journal of Histochemistry</i> , 2007 , 51, 153-8	2.1	8
33	Responses of Reconstructed Human Epidermis to Trichophyton rubrum Infection and Impairment of Infection by the Inhibitor PD169316. <i>Journal of Investigative Dermatology</i> , 2019 , 139, 2080-2089.e6	4.3	7
32	The activation of cultured keratinocytes by cholesterol depletion during reconstruction of a human epidermis is reminiscent of monolayer cultures. <i>Archives of Dermatological Research</i> , 2015 , 307, 309-18	3.3	7
31	The small Rho GTPase Rac1 controls normal human dermal fibroblasts proliferation with phosphorylation of the oncoprotein c-myc. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 359, 834-9	3.4	7
30	Ultrastructural morphology of the male and female genital tracts of Psoroptes spp. (Acari: Astigmata: Psoroptidae). <i>Experimental and Applied Acarology</i> , 2005 , 36, 305-24	2.1	7
29	Hyaluronidase-1 Is Mainly Functional in the Upper Granular Layer, Close to the Epidermal Barrier. <i>Journal of Investigative Dermatology</i> , 2015 , 135, 3189-3192	4.3	6
28	Processing and characterization of the low density lipoprotein receptor in the human colonic carcinoma cell subclone HT29-18: a potential pathway for delivering therapeutic drugs and genes. <i>Bioscience Reports</i> , 1992 , 12, 483-94	4.1	6
27	TMEM45A Is Dispensable for Epidermal Morphogenesis, Keratinization and Barrier Formation. <i>PLoS ONE</i> , 2016 , 11, e0147069	3.7	6
26	Non-senescent keratinocytes organize in plasma membrane submicrometric lipid domains enriched in sphingomyelin and involved in re-epithelialization. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017 , 1862, 958-971	5	5
25	Lipid rafts and the oxidative stress hypothesis. <i>Journal of Investigative Dermatology</i> , 2010 , 130, 1457-9	4.3	5
24	The ornithine decarboxylase inhibitor, difluoromethylornithine, inhibits casein kinase II activity, c-Myc expression and normal human keratinocyte proliferation. <i>Archives of Dermatological Research</i> , 2002 , 293, 590-3	3.3	5
23	Utilization of human cultured epidermal keratinocytes: irreversibility of the inhibition of proliferation induced in stored detached cultures. <i>Burns</i> , 1991 , 17, 205-8	2.3	5
22	Modelling atopic dermatitis during the morphogenetic process involved in reconstruction of a human epidermis. <i>Current Research in Translational Medicine</i> , 2016 , 64, 179-183	3.7	5
21	Skin Disease Models In Vitro and Inflammatory Mechanisms: Predictability for Drug Development. <i>Handbook of Experimental Pharmacology</i> , 2021 , 265, 187-218	3.2	5

20	In vitro reconstruction of epidermis from primary Darier's disease keratinocytes replicates the histopathological phenotype. <i>Journal of Dermatological Science</i> , 2013 , 71, 138-40	4.3	4
19	Effects of the CDK-inhibitor CYC202 on p38 MAPK, ERK1/2 and c-Myc activities in papillomavirus type 16 E6- and E7-transformed human keratinocytes. <i>Oncology Reports</i> , 2007 , 18, 999-1005	3.5	4
18	Meaning of relative gene expression in multilayered cultures of epidermal keratinocytes. <i>Experimental Dermatology</i> , 2014 , 23, 754-6	4	3
17	Histological study of sheep skin transformation during the recreation of historical parchment manufacture. <i>Heritage Science</i> , 2020 , 8,	2.5	3
16	The Reconstructed Human Epidermis Models in Fundamental Research 2009 , 967-976		3
15	HDAC2 and 7 down-regulation induces senescence in dermal fibroblasts. <i>Aging</i> , 2021 , 13, 17978-18005	5.6	3
14	Influence of a short oxidative stress on the LDL endocytosis by human endothelial cells: an ultrastructural study. <i>Journal of Submicroscopic Cytology and Pathology</i> , 1992 , 24, 61-73		2
13	Basal cell adhesion to a culture substratum controls the polarized spatial organization of human epidermal keratinocytes into proliferating basal and terminally differentiating suprabasal populations. <i>Epithelial Cell Biology</i> , 1993 , 2, 7-16		2
12	Science and the Web. <i>Science</i> , 1998 , 280, 1171d-1171	33.3	2
11	Cholesterol and Lipid Rafts as Regulators of Signaling Through the EGF Receptor in Keratinocytes. <i>Open Dermatology Journal</i> , 2009 , 3, 151-158	1.1	2
10	Characterization of CYP26B1-Selective Inhibitor, DX314, as a Potential Therapeutic for Keratinization Disorders. <i>Journal of Investigative Dermatology</i> , 2021 , 141, 72-83.e6	4.3	2
9	Use of Polarised Light Microscopy to Improve Conservation of Parchment. <i>Studies in Conservation</i> , 2019 , 64, 284-297	0.6	1
8	The dumb ErbB receptor helps healing. <i>Journal of Investigative Dermatology</i> , 2007 , 127, 995-7	4.3	1
7	Experimental Models of Dermatophytosis 2021 , 135-160		1
6	Deletion of Gene in Human Keratinocytes Demonstrates a Role for TSG-6 to Retain Hyaluronan Inside Epidermis.. <i>JID Innovations</i> , 2021 , 1, 100054		1
5	Preclinical assessment of dual CYP26[A1/B1] inhibitor, DX308, as an improved treatment for keratinization disorders. <i>Skin Health and Disease</i> , 2021 , 1, e22		0
4	Microscopy: access to the bigger picture in histology. <i>Nature</i> , 2015 , 519, 291	50.4	
3	Epidermal reference genes at the forefront of data interpretation. <i>Experimental Dermatology</i> , 2015 , 24, 738-9		4

- 2 Basal Cell Adhesion Controls the Polarized Arrangement of Proliferating and Differentiating Keratinocytes in Culture. *Journal of Tissue Viability*, **1992**, 2, 24-25 3.2
- 1 Endocytosis of low density lipoproteins in human endothelial cells: typical morphological aspects of the high affinity receptor-mediated pathway as revealed by serial sections and acid phosphatase cytochemistry. *Journal of Submicroscopic Cytology and Pathology*, **1989**, 21, 627-39