

# Heinz Fischer

## List of Publications by Year in descending order

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33  
papers

1,806  
citations

304743

22  
h-index

395702

33  
g-index

33  
all docs

33  
docs citations

33  
times ranked

2371  
citing authors

#	ARTICLE	IF	CITATIONS
1	Caspase-14: Analysis of Gene Structure and mRNA Expression during Keratinocyte Differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2000, 277, 655-659.	2.1	393
2	Human caspase 12 has acquired deleterious mutations. <i>Biochemical and Biophysical Research Communications</i> , 2002, 293, 722-726.	2.1	320
3	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, 831-841.	8.9	95
4	DNase1L2 suppresses biofilm formation by <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> . <i>British Journal of Dermatology</i> , 2007, 156, 1342-1345.	1.5	86
5	Holocrine Secretion of Sebum Is a Unique DNase2-Dependent Mode of Programmed Cell Death. <i>Journal of Investigative Dermatology</i> , 2017, 137, 587-594.	0.7	67
6	DNase1L2 Degrades Nuclear DNA during Corneocyte Formation. <i>Journal of Investigative Dermatology</i> , 2007, 127, 24-30.	0.7	65
7	A Comparative Proteomic Study of Human Skin Suction Blister Fluid from Healthy Individuals Using Immunodepletion and iTRAQ Labeling. <i>Journal of Proteome Research</i> , 2012, 11, 3715-3727.	3.7	62
8	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, 1208-1215.	0.7	59
9	Differential Evolution of the Epidermal Keratin Cytoskeleton in Terrestrial and Aquatic Mammals. <i>Molecular Biology and Evolution</i> , 2019, 36, 328-340.	8.9	51
10	Stratum corneum-derived caspase-14 is catalytically active. <i>FEBS Letters</i> , 2004, 577, 446-450.	2.8	50
11	Identification and Characterization of a Novel Mammalian Caspase with Proapoptotic Activity. <i>Journal of Biological Chemistry</i> , 2005, 280, 35077-35080.	3.4	50
12	Pangolins Lack IFIH1/MDA5, a Cytoplasmic RNA Sensor That Initiates Innate Immune Defense Upon Coronavirus Infection. <i>Frontiers in Immunology</i> , 2020, 11, 939.	4.8	45
13	DNase 2 Is the Main DNA-Degrading Enzyme of the Stratum Corneum. <i>PLoS ONE</i> , 2011, 6, e17581.	2.5	42
14	Caspase-14 but not caspase-3 is processed during the development of fetal mouse epidermis. <i>Differentiation</i> , 2005, 73, 406-413.	1.9	41
15	Comparative genomics reveals conservation of filaggrin and loss of caspase-14 in dolphins. <i>Experimental Dermatology</i> , 2015, 24, 365-369.	2.9	35
16	Loss of Keratin K2 Expression Causes Aberrant Aggregation of K10, Hyperkeratosis, and Inflammation. <i>Journal of Investigative Dermatology</i> , 2014, 134, 2579-2588.	0.7	31
17	Terminal differentiation of nail matrix keratinocytes involves up-regulation of DNase1L2 but is independent of caspase-14 expression. <i>Differentiation</i> , 2007, 75, 939-946.	1.9	29
18	Histidase expression in human epidermal keratinocytes: Regulation by differentiation status and all-trans retinoic acid. <i>Journal of Dermatological Science</i> , 2008, 50, 209-215.	1.9	27

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19	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.	2.2	27
20	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.	3.3	27
21	Alternative Splicing of Caspase-8 mRNA during Differentiation of Human Leukocytes. <i>Biochemical and Biophysical Research Communications</i> , 2001, 289, 777-781.	2.1	26
22	Mechanisms and emerging functions of DNA degradation in the epidermis. <i>Frontiers in Bioscience - Landmark</i> , 2012, 17, 2461.	3.0	26
23	Keratins K2 and K10 are essential for the epidermal integrity of plantar skin. <i>Journal of Dermatological Science</i> , 2016, 81, 10-16.	1.9	19
24	DNA hypomethylation leads to cGAS-induced autoinflammation in the epidermis. <i>EMBO Journal</i> , 2021, 40, e108234.	7.8	17
25	Differential Expression of a Novel Gene in Response to hsp27 and Cell Differentiation in Human Keratinocytes. <i>Journal of Investigative Dermatology</i> , 2002, 119, 154-159.	0.7	16
26	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.	4.9	16
27	Phylogenomics of caspase-activated DNA fragmentation factor. <i>Biochemical and Biophysical Research Communications</i> , 2007, 356, 293-299.	2.1	15
28	Double deficiency of Trex2 and DNase1L2 nucleases leads to accumulation of DNA in lingual cornifying keratinocytes without activating inflammatory responses. <i>Scientific Reports</i> , 2017, 7, 11902.	3.3	14
29	Multifaceted role of TREX2 in the skin defense against UV-induced skin carcinogenesis. <i>Oncotarget</i> , 2015, 6, 22375-22396.	1.8	14
30	MCPIP1 contributes to the inflammatory response of UVB-treated keratinocytes. <i>Journal of Dermatological Science</i> , 2017, 87, 10-18.	1.9	12
31	Localisation of keratin K78 in the basal layer and first suprabasal layers of stratified epithelia completes expression catalogue of type II keratins and provides new insights into sequential keratin expression. <i>Cell and Tissue Research</i> , 2016, 363, 735-750.	2.9	11
32	Duplication of the caspase-12 prodomain and inactivation of NLRC4/IPAF in the dog. <i>Biochemical and Biophysical Research Communications</i> , 2009, 384, 226-230.	2.1	10
33	The caspase-1 inhibitor CARD18 is specifically expressed during late differentiation of keratinocytes and its expression is lost in lichen planus. <i>Journal of Dermatological Science</i> , 2017, 87, 176-182.	1.9	8