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List of Publications by Year
in descending order

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106 papers	7,941 citations	71102 41 h-index	51608 86 g-index
107 all docs	107 docs citations	107 times ranked	10721 citing authors

#	Article	IF	Citations
1	A genome-wide association study identifies new psoriasis susceptibility loci and an interaction between HLA-C and ERAP1. Nature Genetics, 2010, 42, 985-990.	21.4	918
2	Identification of 15 new psoriasis susceptibility loci highlights the role of innate immunity. Nature Genetics, 2012, 44, 1341-1348.	21.4	848
3	Psoriasis is associated with increased Î²-defensin genomic copy number. Nature Genetics, 2008, 40, 23-25.	21.4	587
4	Deletion of the late cornified envelope LCE3B and LCE3C genes as a susceptibility factor for psoriasis. Nature Genetics, 2009, 41, 211-215.	21.4	482
5	High Expression Levels of Keratinocyte Antimicrobial Proteins in Psoriasis Compared with Atopic Dermatitis. Journal of Investigative Dermatology, 2005, 125, 1163-1173.	0.7	262
6	Coal tar induces AHR-dependent skin barrier repair in atopic dermatitis. Journal of Clinical Investigation, 2013, 123, 917-27.	8.2	256
7	Microbe-host interplay in atopic dermatitis and psoriasis. Nature Communications, 2019, 10, 4703.	12.8	217
8	Microbiome dynamics of human epidermis following skin barrier disruption. Genome Biology, 2012, 13, R101.	9.6	201
9	Î²-Defensin-2 Protein Is a Serum Biomarker for Disease Activity in Psoriasis and Reaches Biologically Relevant Concentrations in Lesional Skin. PLoS ONE, 2009, 4, e4725.	2.5	151
10	Microbiome and skin diseases. Current Opinion in Allergy and Clinical Immunology, 2013, 13, 514-520.	2.3	138
11	Constitutive and inducible expression of SKALP/elafin provides anti-elastase defense in human epithelia.. Journal of Clinical Investigation, 1996, 98, 1389-1399.	8.2	134
12	3D skin models for 3R research: The potential of 3D reconstructed skin models to study skin barrier function. Experimental Dermatology, 2018, 27, 501-511.	2.9	133
13	Immortalized N/TERT keratinocytes as an alternative cell source in 3D human epidermal models. Scientific Reports, 2017, 7, 11838.	3.3	130
14	Accurate, high-throughput typing of copy number variation using paralogue ratios from dispersed repeats. Nucleic Acids Research, 2007, 35, e19-e19.	14.5	128
15	Myeloid lineageâ€“restricted somatic mosaicism of NLRP3 mutations in patients with variant Schnitzler syndrome. Journal of Allergy and Clinical Immunology, 2015, 135, 561-564.e4.	2.9	115
16	Epidermal differentiation: The role of proteases and their inhibitors. European Journal of Cell Biology, 2004, 83, 761-773.	3.6	110
17	Induction of SLPI (ALP/HUSI-I) in Epidermal Keratinocytes. Journal of Investigative Dermatology, 1998, 111, 996-1002.	0.7	99
18	Cystatin M/E Is a High Affinity Inhibitor of Cathepsin V and Cathepsin L by a Reactive Site That Is Distinct from the Legumain-binding Site. Journal of Biological Chemistry, 2006, 281, 15893-15899.	3.4	99

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19	Ichthyosis Bullosa of Siemens Is Caused by Mutations in the Keratin 2e Gene. Journal of Investigative Dermatology, 1994, 103, 286-289.	0.7	94
20	Cystatin M/E Expression is Restricted to Differentiated Epidermal Keratinocytes and Sweat Glands: a New Skin-Specific Proteinase Inhibitor that is a Target for Cross-Linking by Transglutaminase. Journal of Investigative Dermatology, 2001, 116, 693-701.	0.7	94
21	Psoriasis Risk Genes of the Late Cornified Envelope-3 Group Are Distinctly Expressed Compared with Genes of Other LCE Groups. American Journal of Pathology, 2011, 178, 1470-1477.	3.8	90
22	Meta-Analysis Confirms the LCE3C_LCE3B Deletion as a Risk Factor for Psoriasis in Several Ethnic Groups and Finds Interaction with HLA-Cw6. Journal of Investigative Dermatology, 2011, 131, 1105-1109.	0.7	89
23	Genetics of Psoriasis: Evidence for Epistatic Interaction between Skin Barrier Abnormalities and Immune Deviation. Journal of Investigative Dermatology, 2012, 132, 2320-2331.	0.7	88
24	Skin Microbiome Imbalance in Patients with STAT1/STAT3 Defects Impairs Innate Host Defense Responses. Journal of Innate Immunity, 2014, 6, 253-262.	3.8	83
25	Molecular diagnostics of psoriasis, atopic dermatitis, allergic contact dermatitis and irritant contact dermatitis. British Journal of Dermatology, 2010, 162, 568-578.	1.5	80
26	Strong induction of <scp>AIM</scp>2 expression in human epidermis in acute and chronic inflammatory skin conditions. Experimental Dermatology, 2012, 21, 961-964.	2.9	71
27	Expression of the Vanin Gene Family in Normal and Inflamed Human Skin: Induction by Proinflammatory Cytokines. Journal of Investigative Dermatology, 2009, 129, 2167-2174.	0.7	68
28	A Comprehensive Analysis of Pattern Recognition Receptors in Normal and Inflamed Human Epidermis: Upregulation of Dectin-1 in Psoriasis. Journal of Investigative Dermatology, 2010, 130, 2611-2620.	0.7	68
29	A null mutation in the cystatin M/E gene of ichq mice causes juvenile lethality and defects in epidermal cornification. Human Molecular Genetics, 2002, 11, 2867-2875.	2.9	64
30	Expression profile of cornified envelope structural proteins and keratinocyte differentiation-regulating proteins during skin barrier repair. British Journal of Dermatology, 2012, 166, 1245-1254.	1.5	63
31	Induction of normal and psoriatic phenotypes in submerged keratinocyte cultures. , 1996, 168, 442-452.		62
32	Replication of LCE3Câ€“LCE3B CNV as a Risk Factor for Psoriasis and Analysis of Interaction with Other Genetic Risk Factors. Journal of Investigative Dermatology, 2010, 130, 979-984.	0.7	61
33	Type 2 Helper T-Cell Cytokines Induce Morphologic and Molecular Characteristics of Atopic Dermatitis in Human Skin Equivalent. American Journal of Pathology, 2011, 178, 2091-2099.	3.8	61
34	The Biology of Cystatin M/E and its Cognate Target Proteases. Journal of Investigative Dermatology, 2009, 129, 1327-1338.	0.7	57
35	Gram-positive anaerobe cocci are underrepresented in the microbiome of filaggrin-deficient human skin. Journal of Allergy and Clinical Immunology, 2017, 139, 1368-1371.	2.9	57
36	Targeting the Cutaneous Microbiota in Atopic Dermatitis by Coal Tar via AHR-Dependent Induction of Antimicrobial Peptides. Journal of Investigative Dermatology, 2020, 140, 415-424.e10.	0.7	57

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37	Psoriasis-Associated Late Cornified Envelope (LCE) Proteins Have AntibacterialÂActivity. Journal of Investigative Dermatology, 2017, 137, 2380-2388.	0.7	53
38	Molecular cloning of a mouse epithelial protein-tyrosine phosphatase with similarities to submembranous proteins. Journal of Cellular Biochemistry, 1995, 59, 418-430.	2.6	52
39	A novel receptor-type protein tyrosine phosphatase with a single catalytic domain is specifically expressed in mouse brain. Biochemical Journal, 1995, 305, 499-504.	3.7	52
40	The skin barrier: Epidermis vs environment. Experimental Dermatology, 2018, 27, 805-806.	2.9	46
41	Identification and Sequence Analysis of Two New Members of the SKALP/elafin and SPAI-2 Gene Family. Journal of Biological Chemistry, 1997, 272, 20471-20478.	3.4	45
42	Evidence that unrestricted legumain activity is involved in disturbed epidermal cornification in cystatin M/E deficient mice. Human Molecular Genetics, 2004, 13, 1069-1079.	2.9	45
43	Phenotypical and Functional Differences in Germinative Subpopulations Derived from Normal and Psoriatic Epidermis. Journal of Investigative Dermatology, 2005, 124, 373-383.	0.7	45
44	Discovery of Small Molecule Vanin Inhibitors: New Tools To Study Metabolism and Disease. ACS Chemical Biology, 2013, 8, 530-534.	3.4	43
45	Reply to Meisel etÂal.. Journal of Investigative Dermatology, 2017, 137, 961-962.	0.7	43
46	Host defense effector molecules in mucosal secretions. FEMS Immunology and Medical Microbiology, 2005, 45, 151-158.	2.7	42
47	Polymorphisms inCD84,IL12BandTNFAIP3are associated with response to biologics in patients with psoriasis. British Journal of Dermatology, 2017, 176, 1288-1296.	1.5	42
48	CD26/dipeptidyl-peptidase IV in psoriatic skin: upregulation and topographical changes. British Journal of Dermatology, 2008, 158, 1264-1272.	1.5	41
49	Colocalization of Cystatin M/E and Cathepsin V in Lamellar Granules and Corneodesmosomes Suggests a Functional Role in Epidermal Differentiation. Journal of Investigative Dermatology, 2007, 127, 120-128.	0.7	40
50	Genetically Programmed Differences in Epidermal Host Defense between Psoriasis and Atopic Dermatitis Patients. PLoS ONE, 2008, 3, e2301.	2.5	40
51	Towards a role of interleukin-32 in atherosclerosis. Cytokine, 2013, 64, 433-440.	3.2	39
52	Cystatin M / E expression in inflammatory and neoplastic skin disorders. British Journal of Dermatology, 2002, 147, 87-94.	1.5	38
53	Epidermal equivalents of filaggrin null keratinocytes do not show impaired skin barrier function. Journal of Allergy and Clinical Immunology, 2017, 139, 1979-1981.e13.	2.9	38
54	The cystatin M/Eâ€cathepsin L balance is essential for tissue homeostasis in epidermis, hair follicles, and cornea. FASEB Journal, 2010, 24, 3744-3755.	0.5	37

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55	Epidermal Expression of Host Response Genes upon Skin Barrier Disruption in Normal Skin and Uninvolved Skin of Psoriasis and Atopic Dermatitis Patients. Journal of Investigative Dermatology, 2011, 131, 263-266.	0.7	37
56	A Partial Transcriptome of Human Epidermis. Genomics, 2002, 79, 671-678.	2.9	36
57	Mastâ€cell interleukinâ€1Î², neutrophil interleukinâ€17 and epidermal antimicrobial proteins in the neutrophilic urticarial dermatosis in Schnitzler's syndrome. British Journal of Dermatology, 2015, 173, 448-456.	1.5	35
58	Drosomycin-Like Defensin, a Human Homologue ofDrosophila melanogasterDrosomycin with Antifungal Activity. Antimicrobial Agents and Chemotherapy, 2008, 52, 1407-1412.	3.2	32
59	The cystatin Mâ€Š/â€ŠE-controlled pathway of skin barrier formation: expression of its key components in psoriasis and atopic dermatitis. British Journal of Dermatology, 2009, 161, 253-264.	1.5	32
60	Rho Kinase Inhibitor Y-27632 Prolongs the Life Span of Adult Human Keratinocytes, Enhances Skin Equivalent Development, and Facilitates Lentiviral Transduction. Tissue Engineering - Part A, 2012, 18, 1827-1836.	3.1	32
61	Combination of Pantothenamides with Vanin Inhibitors as a Novel Antibiotic Strategy against Gram-Positive Bacteria. Antimicrobial Agents and Chemotherapy, 2013, 57, 4794-4800.	3.2	32
62	Paediatric-onset psoriasis is associated withERAP1andIL23Rloci,LCE3C_LCE3Bdeletion andHLA-C*06. British Journal of Dermatology, 2012, 167, 922-925.	1.5	31
63	Assignment of the human gene encoding the epidermal serine proteinase inhibitor SKALP (PI3) to chromosome region 20q12→q13. Cytogenetic and Genome Research, 1994, 66, 129-131.	1.1	30
64	Silencing of cystatin M in metastatic oral cancer cell line MDA-686Ln by siRNA increases cysteine proteinases and legumain activities, cell proliferation and in vitro invasion. Life Sciences, 2006, 78, 898-907.	4.3	29
65	Serial Analysis of Gene Expression in Differentiated Cultures of Human Epidermal Keratinocytes. Journal of Investigative Dermatology, 2001, 116, 12-22.	0.7	28
66	Increased Expression of Carbonic Anhydrase II (CA II) in Lesional Skin of Atopic Dermatitis: Regulation by Th2 Cytokines. Journal of Investigative Dermatology, 2007, 127, 1786-1789.	0.7	28
67	Deletion of Late Cornified Envelope 3B and 3C Genes Is Not Associated with Atopic Dermatitis. Journal of Investigative Dermatology, 2010, 130, 2057-2061.	0.7	25
68	Construction of a Microstructured Collagen Membrane Mimicking the Papillary Dermis Architecture and Guiding Keratinocyte Morphology and Gene Expression. Macromolecular Bioscience, 2012, 12, 675-691.	4.1	25
69	Transcriptional Regulation of the Elafin Gene in Human Keratinocytes. Journal of Investigative Dermatology, 2003, 120, 301-307.	0.7	23
70	Pattern recognition receptors in infectious skin diseases. Microbes and Infection, 2012, 14, 881-893.	1.9	23
71	An In vitro Model for Bacterial Growth on Human Stratum Corneum. Acta Dermato-Venereologica, 2016, 96, 873-879.	1.3	22
72	Colocalization of Cystatin M/E and its Target Proteases Suggests a Role in Terminal Differentiation of Human Hair Follicle and Nail. Journal of Investigative Dermatology, 2009, 129, 1232-1242.	0.7	21

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73	The effect of adalimumab on key drivers in the pathogenesis of psoriasis. British Journal of Dermatology, 2014, 170, 571-580.	1.5	20
74	Skin microbiota in health and disease: From sequencing to biology. Journal of Dermatology, 2020, 47, 1110-1118.	1.2	20
75	Late cornified envelope (LCE) proteins: distinct expression patterns of LCE2 and LCE3 members suggest nonredundant roles in human epidermis and other epithelia. British Journal of Dermatology, 2016, 174, 795-802.	1.5	18
76	The Effects of Human Beta-Defensins on Skin Cells in vitro. Dermatology, 2017, 233, 155-163.	2.1	18
77	The Human Cystatin M/E Gene (CST6): Exclusion Candidate Gene For Harlequin Ichthyosis. Journal of Investigative Dermatology, 2003, 121, 65-68.	0.7	16
78	Skin-derived antileukoproteinase (SKALP) is decreased in pustular forms of psoriasis. A clue to the pathogenesis of pustule formation?. Archives of Dermatological Research, 1996, 288, 641-647.	1.9	15
79	Epidermal cell kinetics by combining in situ hybridization and immunohistochemistry. The Histochemical Journal, 1998, 30, 869-877.	0.6	13
80	Keratolysis exfoliativa (dyshidrosis lamellosa sicca): a distinct peeling entity. British Journal of Dermatology, 2012, 167, 1076-1084.	1.5	13
81	Pattern Recognition Receptors in Immune Disorders Affecting the Skin. Journal of Innate Immunity, 2012, 4, 225-240.	3.8	13
82	Identification of Keratinocyte Mitogens: Implications for Hyperproliferation in Psoriasis and Atopic Dermatitis. JID Innovations, 2022, 2, 100066.	2.4	13
83	A molecular signature of epithelial host defense: comparative gene expression analysis of cultured bronchial epithelial cells and keratinocytes. BMC Genomics, 2006, 7, 9.	2.8	12
84	Genotypeâ€“Phenotype Correlations in a Prospective Cohort Study of Paediatric Plaque Psoriasis: Lack of Correlation Between HLA-C*06 and Family History of Psoriasis. Acta Dermato-Venereologica, 2014, 94, 667-671.	1.3	12
85	Absent in Melanoma 2 is predominantly present in primary melanoma and primary squamous cell carcinoma, but largely absent in metastases of both tumors. Journal of the American Academy of Dermatology, 2014, 71, 1012-1015.	1.2	12
86	A generic workflow for Single Locus Sequence Typing (SLST) design and subspecies characterization of microbiota. Scientific Reports, 2019, 9, 19834.	3.3	12
87	Identification and typing of members of the protein-tyrosine phosphatase gene family expressed in mouse brain. Molecular Biology Reports, 1992, 16, 241-248.	2.3	11
88	Stable pantothenamide bioisosteres: novel antibiotics for Gram-positive bacteria. Journal of Antibiotics, 2019, 72, 682-692.	2.0	11
89	Vesicular hand eczema transcriptome analysis provides insights into its pathophysiology. Experimental Dermatology, 2021, 30, 1775-1786.	2.9	11
90	Cystatin <scp>M/E</scp> knockdown by lentiviral delivery of sh<scp>RNA</scp> impairs epidermal morphogenesis of human skin equivalents. Experimental Dermatology, 2012, 21, 889-891.	2.9	9

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91	Terminal keratinocyte differentiation in vitro is associated with a stable DNA methylome. Experimental Dermatology, 2021, 30, 1023-1032.	2.9	8
92	Koebner Phenomenon in Psoriasis Is Not Associated with Deletion of Late Cornified Envelope Genes LCE3B and LCE3C. Journal of Investigative Dermatology, 2012, 132, 475-476.	0.7	7
93	Analysis of protein-protein interaction between late cornified envelope proteins and corneodesmosin. Experimental Dermatology, 2014, 23, 769-771.	2.9	7
94	Deficiency of the human cysteine protease inhibitor cystatin M/E causes hypotrichosis and dry skin. Genetics in Medicine, 2019, 21, 1559-1567.	2.4	7
95	Perfusion Intensity Correlates with Expression Levels of Psoriasis-Related Genes and Proteins. Skin Pharmacology and Physiology, 2015, 28, 296-306.	2.5	6
96	Cathepsin B as a potential cystatin M/E target in the mouse hair follicle. FASEB Journal, 2017, 31, 4286-4294.	0.5	6
97	STAT1 gain-of-function compromises skin host defense in the context of IFN-Î³ signaling. Journal of Allergy and Clinical Immunology, 2019, 143, 1626-1629.e5.	2.9	6
98	SKALP/elafin gene polymorphisms are not associated with pustular forms of psoriasis. Clinical Genetics, 1998, 54, 96-101.	2.0	5
99	Antimicrobial Late Cornified Envelope Proteins: The Psoriasis Risk Factor Deletion of LCE3B/C Genes Affects Microbiota Composition. Journal of Investigative Dermatology, 2022, 142, 1947-1955.e6.	0.7	5
100	CRISPR-Cas9â€'Based Genomic Engineering in Keratinocytes: From Technology to Application. JID Innovations, 2022, 2, 100082.	2.4	4
101	214 TARgeting the cutaneous microbiota in atopic dermatitis by coal tar via AHR-dependent induction of antimicrobial peptides. Journal of Investigative Dermatology, 2019, 139, S251.	0.7	3
102	Know your enemy: Unexpected, pervasive and persistent viral and bacterial contamination of primary cell cultures. Experimental Dermatology, 2020, 29, 672-676.	2.9	3
103	Induction of normal and psoriatic phenotypes in submerged keratinocyte cultures. Journal of Cellular Physiology, 1996, 168, 442-452.	4.1	3
104	Skin-derived antileukoproteinase (SKALP) is decreased in pustular forms of psoriasis. A clue to the pathogenesis of pustule formation?. Archives of Dermatological Research, 1996, 288, 641-647.	1.9	3
105	Skin microbiome and antimicrobial peptides. Experimental Dermatology, 2021, 30, 1362-1365.	2.9	2
106	INFLUENCE OF FLG LOSS-OF-FUNCTION MUTATIONS IN HOSTâ€"MICROBE INTERACTIONS DURING ATOPIC SKIN INFLAMMATION. Journal of Dermatological Science, 2022, , .	1.9	0