

Michel Simon

List of Publications by Year in descending order

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110
papers

6,332
citations

61984

43
h-index

69250

77
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112
all docs

112
docs citations

112
times ranked

5278
citing authors

#	ARTICLE	IF	CITATIONS
1	Degradation of Corneodesmosome Proteins by Two Serine Proteases of the Kallikrein Family, SCTE/KLK5/hK5 and SCCE/KLK7/hK7. <i>Journal of Investigative Dermatology</i> , 2004, 122, 1235-1244.	0.7	434
2	The epitopes targeted by the rheumatoid arthritis-associated antifilaggrin autoantibodies are posttranslationally generated on various sites of (pro)filaggrin by deimination of arginine residues. <i>Journal of Immunology</i> , 1999, 162, 585-94.	0.8	352
3	Peptidyl arginine deiminase type 2 (PAD ϵ 2) and PAD ϵ 4 but not PAD ϵ 1, PAD ϵ 3, and PAD ϵ 6 are expressed in rheumatoid arthritis synovium in close association with tissue inflammation. <i>Arthritis and Rheumatism</i> , 2007, 56, 3541-3553.	6.7	328
4	The antiperinuclear factor and the so-called antikeratin antibodies are the same rheumatoid arthritis-specific autoantibodies.. <i>Journal of Clinical Investigation</i> , 1995, 95, 2672-2679.	8.2	277
5	The cytokeratin filament-aggregating protein filaggrin is the target of the so-called "antikeratin antibodies," autoantibodies specific for rheumatoid arthritis.. <i>Journal of Clinical Investigation</i> , 1993, 92, 1387-1393.	8.2	218
6	Defects of filaggrin-like proteins in both lesional and nonlesional atopic skin. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 131, 1094-1102.	2.9	212
7	Comparative analysis of the mouse and human peptidylarginine deiminase gene clusters reveals highly conserved non-coding segments and a new human gene, PADI6. <i>Gene</i> , 2004, 330, 19-27.	2.2	177
8	Hypotrichosis simplex of the scalp is associated with nonsense mutations in CDSN encoding corneodesmosin. <i>Nature Genetics</i> , 2003, 34, 151-153.	21.4	164
9	Refined Characterization of Corneodesmosin Proteolysis during Terminal Differentiation of Human Epidermis and Its Relationship to Desquamation. <i>Journal of Biological Chemistry</i> , 2001, 276, 20292-20299.	3.4	156
10	Staphylococcus aureus density on lesional and nonlesional skin is strongly associated with disease severity in atopic dermatitis. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 1272-1274.e3.	2.9	146
11	Peptidylarginine Deiminase Isoforms 1 ϵ 3 Are Expressed in the Epidermis and Involved in the Deimination of K1 and Filaggrin. <i>Journal of Investigative Dermatology</i> , 2005, 124, 384-393.	0.7	135
12	cDNA cloning, gene organization and expression analysis of human peptidylarginine deiminase type I. <i>Biochemical Journal</i> , 2003, 370, 167-174.	3.7	131
13	Epidermal Lamellar Granules Transport Different Cargoes as Distinct Aggregates. <i>Journal of Investigative Dermatology</i> , 2004, 122, 1137-1144.	0.7	127
14	Mutations in Three Genes Encoding Proteins Involved in Hair Shaft Formation Cause Uncombable Hair Syndrome. <i>American Journal of Human Genetics</i> , 2016, 99, 1292-1304.	6.2	127
15	Update on the epidermal differentiation complex. <i>Frontiers in Bioscience - Landmark</i> , 2012, 17, 1517.	3.0	125
16	Knockdown of Filaggrin in a Three-Dimensional Reconstructed Human Epidermis Impairs Keratinocyte Differentiation. <i>Journal of Investigative Dermatology</i> , 2014, 134, 2938-2946.	0.7	111
17	Characterization of the prosome from <i>Drosophila</i> and its similarity to the cytoplasmic structures formed by the low molecular weight heat-shock proteins.. <i>EMBO Journal</i> , 1985, 4, 399-406.	7.8	108
18	Variant <i>PADI3</i> in Central Centrifugal Cicatricial Alopecia. <i>New England Journal of Medicine</i> , 2019, 380, 833-841.	27.0	102

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19	Corneodesmosin, a Component of Epidermal Corneocyte Desmosomes, Displays Homophilic Adhesive Properties. <i>Journal of Biological Chemistry</i> , 2002, 277, 5024-5029.	3.4	98
20	Persistence of Both Peripheral and Non-Peripheral Corneodesmosomes in the Upper Stratum Corneum of Winter Xerosis Skin Versus only Peripheral in Normal Skin. <i>Journal of Investigative Dermatology</i> , 2001, 116, 23-30.	0.7	95
21	Interleukin-1 Induces Transcription of Keratin K6 in Human Epidermal Keratinocytes. <i>Journal of Investigative Dermatology</i> , 2001, 116, 330-338.	0.7	87
22	Skin barrier in atopic dermatitis. <i>Frontiers in Bioscience - Landmark</i> , 2014, 19, 542.	3.0	85
23	The peptidylarginine deiminases expressed in human epidermis differ in their substrate specificities and subcellular locations. <i>Cellular and Molecular Life Sciences</i> , 2005, 62, 1984-1995.	5.4	84
24	Hornerin is a component of the epidermal cornified cell envelopes. <i>FASEB Journal</i> , 2011, 25, 1567-1576.	0.5	80
25	Atopic dermatitis: Role of the skin barrier, environment, microbiome, and therapeutic agents. <i>Journal of Dermatological Science</i> , 2021, 102, 142-157.	1.9	80
26	Characterization and Purification of Human Corneodesmosin, an Epidermal Basic Glycoprotein Associated with Corneocyte-specific Modified Desmosomes. <i>Journal of Biological Chemistry</i> , 1997, 272, 31770-31776.	3.4	77
27	Peptidylarginine deiminases and deimination in biology and pathology: Relevance to skin homeostasis. <i>Journal of Dermatological Science</i> , 2006, 44, 63-72.	1.9	74
28	Update on peptidylarginine deiminases and deimination in skin physiology and severe human diseases. <i>International Journal of Cosmetic Science</i> , 2007, 29, 147-168.	2.6	73
29	Lamellar Bodies of Human Epidermis. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 2151-2175.	3.8	72
30	A 20S particle ubiquitous from yeast to human. <i>Journal of Molecular Evolution</i> , 1987, 25, 141-150.	1.8	71
31	Deimination of Human Filaggrin-2 Promotes Its Proteolysis by Calpain 1. <i>Journal of Biological Chemistry</i> , 2011, 286, 23222-23233.	3.4	70
32	Corneodesmosin Expression in Psoriasis Vulgaris Differs from Normal Skin and Other Inflammatory Skin Disorders. <i>Laboratory Investigation</i> , 2001, 81, 969-976.	3.7	67
33	Peptidylarginine Deiminase Isoforms Are Differentially Expressed in the Anagen Hair Follicles and Other Human Skin Appendages. <i>Journal of Investigative Dermatology</i> , 2005, 125, 34-41.	0.7	64
34	Expression profile of cornified envelope structural proteins and keratinocyte differentiation-regulating proteins during skin barrier repair. <i>British Journal of Dermatology</i> , 2012, 166, 1245-1254.	1.5	63
35	Expression Cloning of Human Corneodesmosin Proves Its Identity with the Product of the S Gene and Allows Improved Characterization of Its Processing during Keratinocyte Differentiation. <i>Journal of Biological Chemistry</i> , 1998, 273, 22640-22647.	3.4	57
36	In a three-dimensional reconstructed human epidermis filaggrin-2 is essential for proper cornification. <i>Cell Death and Disease</i> , 2015, 6, e1656-e1656.	6.3	56

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37	Lowering relative humidity level increases epidermal protein deimination and drives human filaggrin breakdown. <i>Journal of Dermatological Science</i> , 2017, 86, 106-113.	1.9	53
38	<i>In vivo</i> quantification of epidermis pigmentation and dermis papilla density with reflectance confocal microscopy: variations with age and skin phototype. <i>Experimental Dermatology</i> , 2012, 21, 281-286.	2.9	50
39	Corneodesmosomes and corneodesmosin: from the stratum corneum cohesion to the pathophysiology of genodermatoses. <i>European Journal of Dermatology</i> , 2011, 21, 35-42.	0.6	48
40	Long-Range Enhancer Associated with Chromatin Looping Allows AP-1 Regulation of the Peptidylarginine Deiminase 3 Gene in Differentiated Keratinocyte. <i>PLoS ONE</i> , 2008, 3, e3408.	2.5	47
41	Characterization of the prosome from <i>Drosophila</i> and its similarity to the cytoplasmic structures formed by the low molecular weight heat-shock proteins. <i>EMBO Journal</i> , 1985, 4, 399-406.	7.8	47
42	Evidence that filaggrin is a component of cornified cell envelopes in human plantar epidermis. <i>Biochemical Journal</i> , 1996, 317, 173-177.	3.7	45
43	Deimination and Peptidylarginine Deiminases in Skin Physiology and Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 566.	4.1	45
44	Characterisation of the rat oesophagus epithelium antigens defined by the so-called 'antikeratin antibodies', specific for rheumatoid arthritis.. <i>Annals of the Rheumatic Diseases</i> , 1993, 52, 749-757.	0.9	43
45	Transcriptional regulation of peptidylarginine deiminase expression in human keratinocytes. <i>Journal of Dermatological Science</i> , 2009, 53, 2-9.	1.9	43
46	Expression of corneodesmosin in the granular layer and stratum corneum of normal and diseased epidermis. <i>British Journal of Dermatology</i> , 1997, 137, 864-873.	1.5	43
47	A longitudinal study of a harlequin infant presenting clinically as non-bullous congenital ichthyosiform erythroderma. <i>British Journal of Dermatology</i> , 1996, 135, 448-453.	1.5	42
48	Regulation of the Expression of Peptidylarginine Deiminase Type II Gene (PADI2) in Human Keratinocytes Involves Sp1 and Sp3 Transcription Factors. <i>Journal of Investigative Dermatology</i> , 2005, 124, 1026-1033.	0.7	41
49	Deimination is regulated at multiple levels including auto-deimination of peptidylarginine deiminases. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 1491-1503.	5.4	41
50	Revisiting the Roles of Filaggrin in Atopic Dermatitis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5318.	4.1	41
51	Nine procaspases are expressed in normal human epidermis, but only caspase-14 is fully processed. <i>British Journal of Dermatology</i> , 2007, 156, 420-427.	1.5	38
52	NF-Y and Sp1/Sp3 are involved in the transcriptional regulation of the peptidylarginine deiminase type III gene (PADI3) in human keratinocytes. <i>Biochemical Journal</i> , 2006, 397, 449-459.	3.7	35
53	Monoclonal Antibodies to Human Epidermal Filaggrin, Some Not Recognizing Profilaggrin. <i>Journal of Investigative Dermatology</i> , 1995, 105, 432-437.	0.7	33
54	Crucial Roles of MZF1 and Sp1 in the Transcriptional Regulation of the Peptidylarginine Deiminase Type I Gene (PADI1) in Human Keratinocytes. <i>Journal of Investigative Dermatology</i> , 2008, 128, 549-557.	0.7	33

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55	Alterations in the desquamation-related proteolytic cleavage of corneodesmosin and other corneodesmosomal proteins in psoriatic lesional epidermis. <i>British Journal of Dermatology</i> , 2008, 159, 77-85.	1.5	32
56	High <sc>TMEM</sc>45A expression is correlated to epidermal keratinization. <i>Experimental Dermatology</i> , 2014, 23, 339-344.	2.9	31
57	Expression pattern of peptidylarginine deiminase in rat and human Schwann cells. <i>Developmental Neurobiology</i> , 2008, 68, 101-114.	3.0	29
58	Filaggrin Expression and Processing Deficiencies Impair Corneocyte Surface Texture and Stiffness in Mice. <i>Journal of Investigative Dermatology</i> , 2020, 140, 615-623.e5.	0.7	28
59	A new amyloidosis caused by fibrillar aggregates of mutated corneodesmosin. <i>FASEB Journal</i> , 2010, 24, 3416-3426.	0.5	27
60	A longitudinal study of a harlequin infant presenting clinically as non-bullous congenital ichthyosiform erythroderma. <i>British Journal of Dermatology</i> , 1996, 135, 448-453.	1.5	25
61	Homo-Oligomerization of Human Corneodesmosin Is Mediated by Its N-Terminal Glycine Loop Domain. <i>Journal of Investigative Dermatology</i> , 2004, 122, 747-754.	0.7	25
62	Deimination and expression of peptidylarginine deiminases during cutaneous wound healing in mice. <i>European Journal of Dermatology</i> , 2011, 21, 376-384.	0.6	25
63	Immunoblotting detection of so-called 'antikeratin antibodies': a new assay for the diagnosis of rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 1994, 53, 735-742.	0.9	24
64	Expression of corneodesmosin in the granular layer and stratum corneum of normal and diseased epidermis. <i>British Journal of Dermatology</i> , 1997, 137, 864-873.	1.5	24
65	Long-Range Enhancer Differentially Regulated by c-Jun and JunD Controls Peptidylarginine Deiminase-3 Gene in Keratinocytes. <i>Journal of Molecular Biology</i> , 2008, 384, 1048-1057.	4.2	24
66	Defects of corneocyte structural proteins and epidermal barrier in atopic dermatitis. <i>Biological Chemistry</i> , 2015, 396, 1163-1179.	2.5	24
67	Identification of six novel polymorphisms in the human corneodesmosin gene. <i>Tissue Antigens</i> , 2001, 57, 32-38.	1.0	23
68	Rab11a Is Essential for Lamellar Body Biogenesis in the Human Epidermis. <i>Journal of Investigative Dermatology</i> , 2016, 136, 1199-1209.	0.7	23
69	The 3' UTR AACCins5874 in the stratum corneum chymotryptic enzyme gene (SCCE/KLK7), associated with atopic dermatitis; causes an increased mRNA expression without altering its stability. <i>Journal of Dermatological Science</i> , 2011, 61, 131-133.	1.9	21
70	Corneodesmosin, a Corneodesmosome-Specific Basic Protein, Is Expressed in the Cornified Epithelia of the Pig, Guinea Pig, Rat, and Mouse. <i>Experimental Cell Research</i> , 1997, 231, 132-140.	2.6	19
71	An Intronic Enhancer Driven by NF- κ B Contributes to Transcriptional Regulation of Peptidylarginine Deiminase Type I Gene in Human Keratinocytes. <i>Journal of Investigative Dermatology</i> , 2010, 130, 2543-2552.	0.7	19
72	The rheumatoid arthritis-associated autoantibodies to filaggrin label the fibrous matrix of the cornified cells but not the profilaggrin-containing keratohyalin granules in human epidermis. <i>Clinical and Experimental Immunology</i> , 2008, 100, 90-98.	2.6	18

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73	Deimination of Human Hornerin Enhances its Processing by Calpain-1 and its Cross-Linking by Transglutaminases. <i>Journal of Investigative Dermatology</i> , 2017, 137, 422-429.	0.7	17
74	Deimination, Intermediate Filaments and Associated Proteins. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8746.	4.1	17
75	Dupilumab-Associated Adverse Events During Treatment of Allergic Diseases. <i>Clinical Reviews in Allergy and Immunology</i> , 2022, 62, 519-533.	6.5	17
76	A novel mutation in <i>CDSN</i> causes peeling skin disease in a patient from Morocco. <i>British Journal of Dermatology</i> , 2011, 165, 1152-1155.	1.5	16
77	Bleomycin hydrolase downregulation in lesional skin of adult atopic dermatitis patients is independent of FLG gene mutations. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 134, 1459-1461.e7.	2.9	16
78	Topographical and nano-mechanical characterization of native corneocytes using atomic force microscopy. <i>Journal of Dermatological Science</i> , 2014, 75, 63-65.	1.9	16
79	Hyaluronan Does Not Regulate Human Epidermal Keratinocyte Proliferation and Differentiation. <i>Journal of Biological Chemistry</i> , 2016, 291, 6347-6358.	3.4	16
80	Peptidylarginine deiminases and deiminated proteins at the epidermal barrier. <i>Experimental Dermatology</i> , 2018, 27, 852-858.	2.9	16
81	Update on canine filaggrin: a review. <i>Veterinary Quarterly</i> , 2020, 40, 162-168.	6.7	15
82	A 4.2 kb Upstream Region of the Human Corneodesmosin Gene Directs Site-Specific Expression in Hair Follicles and Hyperkeratotic Epidermis of Transgenic Mice. <i>Journal of Investigative Dermatology</i> , 2004, 122, 730-738.	0.7	14
83	Peptidylarginine Deiminase Inhibitor Cl-Amidine Attenuates Cornification and Interferes with the Regulation of Autophagy in Reconstructed Human Epidermis. <i>Journal of Investigative Dermatology</i> , 2019, 139, 1889-1897.e4.	0.7	14
84	Positive change in hand care habits using therapeutic patient education in chronic hand eczema. <i>Contact Dermatitis</i> , 2020, 82, 10-17.	1.4	14
85	Normal Human Epidermal Keratinocytes Express In Vitro Specific Molecular Forms of (Pro)Filaggrin Recognized by Rheumatoid Arthritis-Associated Antifilaggrin Autoantibodies. <i>Molecular Medicine</i> , 1997, 3, 145-156.	4.4	13
86	Thyroid Inclusion in the Lung. <i>Pathology Research and Practice</i> , 1989, 184, 263-267.	2.3	12
87	The Amino-Terminal Part of Human FLG2 Is a Component of Cornified Envelopes. <i>Journal of Investigative Dermatology</i> , 2019, 139, 1395-1397.	0.7	12
88	IL-22 Downregulates Peptidylarginine Deiminase-1 in Human Keratinocytes: Adding Another Piece to the IL-22 Puzzle in Epidermal Barrier Formation. <i>Journal of Investigative Dermatology</i> , 2022, 142, 333-342.e6.	0.7	12
89	Acefylline activates filaggrin deimination by peptidylarginine deiminases in the upper epidermis. <i>Journal of Dermatological Science</i> , 2016, 81, 101-106.	1.9	11
90	Latent class analysis categorizes chronic hand eczema patients according to skin barrier impairment. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2020, 34, 1529-1535.	2.4	11

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91	Stabilization of microtubules restores barrier function after cytokine-induced defects in reconstructed human epidermis. <i>Journal of Dermatological Science</i> , 2018, 91, 87-96.	1.9	10
92	High Levels of Cytokeratin 19 Fragments But No Evidence of Cytokeratins 1, 2, 10/11, 14 or Filaggrin in the Serum of Squamous Cell Lung Carcinoma Patients. <i>Tumor Biology</i> , 2001, 22, 19-26.	1.8	9
93	The proteins associated with the soluble form of p36, the main target of the <i>v-src</i> oncogene product in chicken fibroblasts, are glycolytic enzymes. <i>Biochemistry and Cell Biology</i> , 1989, 67, 740-748.	2.0	7
94	The Actin-Based Motor Myosin Vb Is Crucial to Maintain Epidermal Barrier Integrity. <i>Journal of Investigative Dermatology</i> , 2019, 139, 1430-1438.	0.7	7
95	Refined Immunochemical Characterization in Healthy Dog Skin of the Epidermal Cornification Proteins, Filaggrin, and Corneodesmosin. <i>Journal of Histochemistry and Cytochemistry</i> , 2019, 67, 85-97.	2.5	7
96	A longitudinal study of a harlequin infant presenting clinically as non-bullous congenital ichthyosiform erythroderma. <i>British Journal of Dermatology</i> , 1996, 135, 448-53.	1.5	7
97	The upper epidermis of atopic dogs is altered at the functional and structural levels. <i>Veterinary Dermatology</i> , 2021, 32, 620.	1.2	5
98	Immunohistochemical characterization of the differentiation state of basal cell carcinomas with special interest for infiltrating relapsing tumors. <i>European Journal of Dermatology</i> , 1998, 8, 320-4.	0.6	5
99	Peptidylarginine Deiminases and Protein Deimination in Skin Physiopathology. , 0, , .		4
100	Association of three chicken proteins with the 34 kD target of rous sarcoma virus tyrosine kinase. <i>Experimental Cell Research</i> , 1987, 169, 419-431.	2.6	3
101	La dermatite atopique est-elle toujours associée à une altération de la barrière épidermique?. <i>Revue Française D'allergologie</i> , 2013, 53, 125-128.	0.2	2
102	Effects of environmental skin stressors on filaggrin degradation products: importance for eczema. <i>British Journal of Dermatology</i> , 2018, 179, 560-561.	1.5	2
103	Hot Topic: [Epidermal Barrier: Structure and Functions (Guest Editor: Michel Simon)]. <i>Open Dermatology Journal</i> , 2010, 4, 1-51.	0.3	2
104	Normal human epidermal keratinocytes express in vitro specific molecular forms of (pro)filaggrin recognized by rheumatoid arthritis-associated antifilaggrin autoantibodies. <i>Molecular Medicine</i> , 1997, 3, 145-56.	4.4	2
105	Protease Sensitivity of Corneodesmosin Variants Encoded by the Six More Common CDSN Haplotypes. <i>Journal of Investigative Dermatology</i> , 2011, 131, 1381-1384.	0.7	1
106	Filaggrin is expressed in the epithelial cells of the buccal mucosae. <i>Pediatric Allergy and Immunology</i> , 2014, 25, 600-601.	2.6	1
107	Cold helium plasma jet does not stimulate collagen remodeling in a 3D human dermal substitute. <i>Bioelectrochemistry</i> , 2022, 143, 107985.	4.6	1
108	Diferenciación epidérmica. Proceso de formación de la capa córnea. <i>EMC - Dermatología</i> , 2020, 54, 1-14.	0.1	0

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109	Complications oculaires induites par le dupilumab au cours du traitement de la dermatite atopique. Revue Francaise D'allergologie, 2021, 61, 592-592.	0.2	0
110	Peptidylarginine Deiminases in Skin Biology. Basic and Clinical Dermatology, 2009, , 69-82.	0.1	0