

Peter M Elias

List of Publications by Year in descending order

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208
papers

19,729
citations

6840

81
h-index

13635

134
g-index

214
all docs

214
docs citations

214
times ranked

12442
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of nitric oxide in regulating epidermal permeability barrier function. <i>Experimental Dermatology</i> , 2022, 31, 290-298.	1.4	19
2	Regulatory Role of Nitric Oxide in Cutaneous Inflammation. <i>Inflammation</i> , 2022, 45, 949-964.	1.7	25
3	Optimizing emollient therapy for skin barrier repair in atopic dermatitis. <i>Annals of Allergy, Asthma and Immunology</i> , 2022, 128, 505-511.	0.5	14
4	Atopic Dermatitis: The Fate of the Fat. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2121.	1.8	12
5	Mitochondrial Activity Is Upregulated in Nonlesional Atopic Dermatitis and Amenable to Therapeutic Intervention. <i>Journal of Investigative Dermatology</i> , 2022, 142, 2623-2634.e12.	0.3	11
6	Optimised emollient mixture for skin barrier repair: Applications to global child health. <i>Journal of Global Health</i> , 2022, 12, 03019.	1.2	3
7	Consensus recommendations for the use of retinoids in ichthyosis and other disorders of cornification in children and adolescents. <i>Pediatric Dermatology</i> , 2021, 38, 164-180.	0.5	34
8	Mutations in 3 β -hydroxysteroid Δ 8, Δ 7 α -isomerase paradoxically benefit epidermal permeability barrier homeostasis in mice. <i>Experimental Dermatology</i> , 2021, 30, 384-389.	1.4	1
9	Unbound Corneocyte Lipid Envelopes in 12R-Lipoxygenase Deficiency Support a Specific Role in Lipid-Protein Cross-Linking. <i>American Journal of Pathology</i> , 2021, 191, 921-929.	1.9	6
10	Phenotypic overlap between atopic dermatitis and autism. <i>BMC Neuroscience</i> , 2021, 22, 43.	0.8	10
11	Atopic dermatitis: Role of the skin barrier, environment, microbiome, and therapeutic agents. <i>Journal of Dermatological Science</i> , 2021, 102, 142-157.	1.0	80
12	Barrier Function in Aging: Comments on Pilkington et al. "Inflammaging and the Skin". <i>Journal of Investigative Dermatology</i> , 2021, , .	0.3	2
13	Commensal microbiota regulates skin barrier function and repair via signaling through the aryl hydrocarbon receptor. <i>Cell Host and Microbe</i> , 2021, 29, 1235-1248.e8.	5.1	119
14	Effect of sunflower seed oil emollient therapy on newborn infant survival in Uttar Pradesh, India: A community-based, cluster randomized, open-label controlled trial. <i>PLoS Medicine</i> , 2021, 18, e1003680.	3.9	16
15	Ichthyosis and hereditary cornification disorders in dogs. <i>Veterinary Dermatology</i> , 2021, 32, 567.	0.4	6
16	Conditional Alox12b Knockout: Degradation of the Corneocyte Lipid Envelope in a Mouse Model of Autosomal Recessive Congenital Ichthyoses. <i>Journal of Investigative Dermatology</i> , 2020, 140, 249-253.e6.	0.3	6
17	Stress test of the skin: The cutaneous permeability barrier treadmill. <i>Experimental Dermatology</i> , 2020, 29, 112-113.	1.4	8
18	Could cellular and signaling abnormalities converge to provoke atopic dermatitis?. <i>JDDG - Journal of the German Society of Dermatology</i> , 2020, 18, 1215-1223.	0.4	9

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19	Laudatio in Honor of Professor Peter Fritsché™s 80th Birthday. JDDG - Journal of the German Society of Dermatology, 2020, 18, 1347-1347.	0.4	0
20	Protease-Activated Receptor-2 Regulates Neuro-Epidermal Communication in Atopic Dermatitis. Frontiers in Immunology, 2020, 11, 1740.	2.2	46
21	Inducible nitric oxide synthase is required for epidermal permeability barrier homeostasis in mice. Experimental Dermatology, 2020, 29, 1027-1032.	1.4	7
22	Topical Applications of Thiosulfinate-Enriched Allium sativum Extract Accelerates Acute Cutaneous Wound Healing in Murine Model. Chinese Journal of Integrative Medicine, 2020, 26, 812-818.	0.7	3
23	Exosomes from Human Adipose Tissue-Derived Mesenchymal Stem Cells Promote Epidermal Barrier Repair by Inducing de Novo Synthesis of Ceramides in Atopic Dermatitis. Cells, 2020, 9, 680.	1.8	95
24	Aging-associated alterations in epidermal function and their clinical significance. Aging, 2020, 12, 5551-5565.	1.4	72
25	Fatty acid transport protein 4 is required for incorporation of saturated ultralong-chain fatty acids into epidermal ceramides and monoacylglycerols. Scientific Reports, 2019, 9, 13254.	1.6	17
26	Transient epidermal barrier deficiency and lowered allergic threshold in filaggrin ^{fl/fl} double-deficient mice. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 1327-1339.	2.7	21
27	Benefits of Hesperidin for Cutaneous Functions. Evidence-based Complementary and Alternative Medicine, 2019, 2019, 1-19.	0.5	83
28	Mutations in Recessive Congenital Ichthyoses Illuminate the Origin and Functions of the Corneocyte Lipid Envelope. Journal of Investigative Dermatology, 2019, 139, 760-768.	0.3	41
29	The nonlesional skin surface distinguishes atopic dermatitis with food allergy as a unique endotype. Science Translational Medicine, 2019, 11, .	5.8	159
30	<p>Could Inflammaging and Its Sequelae Be Prevented or Mitigated?<p>. Clinical Interventions in Aging, 2019, Volume 14, 2301-2304.	1.3	15
31	By protecting against cutaneous inflammation, epidermal pigmentation provided an additional advantage for ancestral humans. Evolutionary Applications, 2019, 12, 1960-1970.	1.5	11
32	Tissue microenvironment initiates an immune response to structural components of <i>Staphylococcus aureus</i>. Experimental Dermatology, 2019, 28, 161-168.	1.4	1
33	Moisturizers versus Current and Next-Generation Barrier Repair Therapy for the Management of Atopic Dermatitis. Skin Pharmacology and Physiology, 2019, 32, 1-7.	1.1	55
34	Topical 11Î²-Hydroxysteroid Dehydrogenase Type 1 Inhibition Corrects Cutaneous Features of Systemic Glucocorticoid Excess in Female Mice. Endocrinology, 2018, 159, 547-556.	1.4	21
35	Cellular and Metabolic Basis for the Ichthyotic Phenotype in NIPAL4 (Ichthyin)â€“Deficient Canines. American Journal of Pathology, 2018, 188, 1419-1429.	1.9	19
36	Skin care products can aggravate epidermal function: studies in a murine model suggest a pathogenic role in sensitive skin. Contact Dermatitis, 2018, 78, 151-158.	0.8	23

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37	Comment on: The Vitamin D-Folate Hypothesis as an Evolutionary Model for Skin Pigmentation: An Update and Integration of Current Ideas, <i>Nutrients</i> 2018, 10, 554. <i>Nutrients</i> , 2018, 10, 1753.	1.7	1
38	Primary role of barrier dysfunction in the pathogenesis of atopic dermatitis. <i>Experimental Dermatology</i> , 2018, 27, 847-851.	1.4	49
39	Does moisturizing the skin equate with barrier repair therapy?. <i>Annals of Allergy, Asthma and Immunology</i> , 2018, 121, 653-656.e2.	0.5	17
40	A data mining paradigm for identifying key factors in biological processes using gene expression data. <i>Scientific Reports</i> , 2018, 8, 9083.	1.6	14
41	Epidermal Dysfunction Leads to an Age-Associated Increase in Levels of Serum Inflammatory Cytokines. <i>Journal of Investigative Dermatology</i> , 2017, 137, 1277-1285.	0.3	84
42	The how, why and clinical importance of stratum corneum acidification. <i>Experimental Dermatology</i> , 2017, 26, 999-1003.	1.4	55
43	Skin Barrier Development Depends on CGI-58 Protein Expression during Late-Stage Keratinocyte Differentiation. <i>Journal of Investigative Dermatology</i> , 2017, 137, 403-413.	0.3	33
44	Embryonic AP1 Transcription Factor Deficiency Causes a Collodion Baby-Like Phenotype. <i>Journal of Investigative Dermatology</i> , 2017, 137, 1868-1877.	0.3	3
45	It Remains Unknown Whether Filaggrin Gene Mutations Evolved to Increase Cutaneous Synthesis of Vitamin D. <i>Genome Biology and Evolution</i> , 2017, 9, 900-901.	1.1	8
46	PNPLA1 Deficiency in Mice and Humans Leads to a Defect in the Synthesis of Omega-O-Acylceramides. <i>Journal of Investigative Dermatology</i> , 2017, 137, 394-402.	0.3	78
47	Alterations in Epidermal Eicosanoid Metabolism Contribute to Inflammation and Impaired Late Differentiation in FLG-Mutated Atopic Dermatitis. <i>Journal of Investigative Dermatology</i> , 2017, 137, 706-715.	0.3	43
48	Defects in Stratum Corneum Desquamation Are the Predominant Effect of Impaired ABCA12 Function in a Novel Mouse Model of Harlequin Ichthyosis. <i>PLoS ONE</i> , 2016, 11, e0161465.	1.1	25
49	Basis for the gain and subsequent dilution of epidermal pigmentation during human evolution: The barrier and metabolic conservation hypotheses revisited. <i>American Journal of Physical Anthropology</i> , 2016, 161, 189-207.	2.1	21
50	The vitamin D hypothesis: Dead or alive?. <i>American Journal of Physical Anthropology</i> , 2016, 161, 756-757.	2.1	1
51	ER stress stimulates production of the key antimicrobial peptide, cathelicidin, by forming a previously unidentified intracellular S1P signaling complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1334-42.	3.3	77
52	Combined Benefits of a PAR2 Inhibitor and Stratum Corneum Acidification for Murine Atopic Dermatitis. <i>Journal of Investigative Dermatology</i> , 2016, 136, 538-541.	0.3	7
53	Cellular Basis of Secondary Infections and Impaired Desquamation in Certain Inherited Ichthyoses. <i>JAMA Dermatology</i> , 2015, 151, 285.	2.0	24
54	Topical Hesperidin Enhances Epidermal Function in an Aged Murine Model. <i>Journal of Investigative Dermatology</i> , 2015, 135, 1184-1187.	0.3	20

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55	Severe dermatitis, multiple allergies, and metabolic wasting syndrome caused by a novel mutation in the N-terminal plakin domain of desmoplakin. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 136, 1268-1276.	1.5	103
56	Evolution of Skin Color. , 2015, , 273-283.		1
57	Sphingosine kinase 1 activation enhances epidermal innate immunity through sphingosine-1-phosphate stimulation of cathelicidin production. <i>Journal of Dermatological Science</i> , 2015, 79, 229-234.	1.0	20
58	Sebaceous Gland, Hair Shaft, and Epidermal Barrier Abnormalities in Keratosis Pilaris with and without Filaggrin Deficiency. <i>American Journal of Pathology</i> , 2015, 185, 1012-1021.	1.9	23
59	Potential role of reduced environmental UV exposure as a driver of the current epidemic of atopic dermatitis. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 136, 1163-1169.	1.5	56
60	Stratum corneum acidification: how and why?. <i>Experimental Dermatology</i> , 2015, 24, 179-180.	1.4	38
61	Frequent somatic reversion of KRT1 mutations in ichthyosis with confetti. <i>Journal of Clinical Investigation</i> , 2015, 125, 1703-1707.	3.9	57
62	Paradoxical Benefits of Psychological Stress in Inflammatory Dermatoses Models Are Glucocorticoid Mediated. <i>Journal of Investigative Dermatology</i> , 2014, 134, 2890-2897.	0.3	25
63	An Endoplasmic Reticulum Stress-Initiated Sphingolipid Metabolite, Ceramide-1-Phosphate, Regulates Epithelial Innate Immunity by Stimulating β -Defensin Production. <i>Molecular and Cellular Biology</i> , 2014, 34, 4368-4378.	1.1	25
64	Topical hesperidin prevents glucocorticoid-induced abnormalities in epidermal barrier function in murine skin. <i>Experimental Dermatology</i> , 2014, 23, 645-651.	1.4	23
65	The important role of lipids in the epidermis and their role in the formation and maintenance of the cutaneous barrier. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 279.	1.2	26
66	Lipid abnormalities and lipid-based repair strategies in atopic dermatitis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 323-330.	1.2	63
67	Role of lipids in the formation and maintenance of the cutaneous permeability barrier. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 280-294.	1.2	288
68	Mechanisms of abnormal lamellar body secretion and the dysfunctional skin barrier in patients with atopic dermatitis. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 134, 781-791.e1.	1.5	171
69	Ultrastructure of skin from Refsum disease with emphasis on epidermal lamellar bodies and stratum corneum barrier lipid organization. <i>Archives of Dermatological Research</i> , 2014, 306, 731-737.	1.1	9
70	Evidence That Loss-of-Function Filaggrin Gene Mutations Evolved in Northern Europeans to Favor Intracutaneous Vitamin D3 Production. <i>Evolutionary Biology</i> , 2014, 41, 388-396.	0.5	45
71	The dietary ingredient, genistein, stimulates cathelicidin antimicrobial peptide expression through a novel S1P-dependent mechanism. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 734-740.	1.9	27
72	Role of cholesterol sulfate in epidermal structure and function: Lessons from X-linked ichthyosis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 353-361.	1.2	86

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73	Formation and functions of the corneocyte lipid envelope (CLE). <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 314-318.	1.2	121
74	Basis for Enhanced Barrier Function of Pigmented Skin. <i>Journal of Investigative Dermatology</i> , 2014, 134, 2399-2407.	0.3	51
75	Treating atopic dermatitis at the source: corrective barrier repair therapy based upon new pathogenic insights. <i>Expert Review of Dermatology</i> , 2013, 8, 27-36.	0.3	16
76	Altered sphingoid base profiles predict compromised membrane structure and permeability in atopic dermatitis. <i>Journal of Dermatological Science</i> , 2013, 72, 296-303.	1.0	41
77	The Th_2 cytokine, interleukin-4, abrogates the cohesion of normal stratum corneum in mice: implications for pathogenesis of atopic dermatitis. <i>Experimental Dermatology</i> , 2013, 22, 30-35.	1.4	51
78	Re-appraisal of current theories for the development and loss of epidermal pigmentation in hominins and modern humans. <i>Journal of Human Evolution</i> , 2013, 64, 687-692.	1.3	30
79	Topical Antihistamines Display Potent Anti-Inflammatory Activity Linked in Part to Enhanced Permeability Barrier Function. <i>Journal of Investigative Dermatology</i> , 2013, 133, 469-478.	0.3	51
80	Resveratrol Stimulates Sphingosine-1-Phosphate Signaling of Cathelicidin Production. <i>Journal of Investigative Dermatology</i> , 2013, 133, 1942-1949.	0.3	45
81	Topical apigenin improves epidermal permeability barrier homeostasis in normal murine skin by divergent mechanisms. <i>Experimental Dermatology</i> , 2013, 22, 210-215.	1.4	46
82	Update on the Structure and Function of the Skin Barrier: Atopic Dermatitis as an Exemplar of Clinical Implications. <i>Seminars in Cutaneous Medicine and Surgery</i> , 2013, 32, S21-S24.	1.6	27
83	Cellular Changes that Accompany Shedding of Human Corneocytes. <i>Journal of Investigative Dermatology</i> , 2012, 132, 2430-2439.	0.3	48
84	Topical Apigenin Alleviates Cutaneous Inflammation in Murine Models. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012, 2012, 1-7.	0.5	32
85	Cannabinoid receptors 1 and 2 oppositely regulate epidermal permeability barrier status and differentiation. <i>Experimental Dermatology</i> , 2012, 21, 688-693.	1.4	38
86	Tight junction properties change during epidermis development. <i>Experimental Dermatology</i> , 2012, 21, 798-801.	1.4	23
87	Abnormal barrier function in the pathogenesis of ichthyosis: Therapeutic implications for lipid metabolic disorders. <i>Clinics in Dermatology</i> , 2012, 30, 311-322.	0.8	50
88	Ablation of the Calcium-Sensing Receptor in Keratinocytes Impairs Epidermal Differentiation and Barrier Function. <i>Journal of Investigative Dermatology</i> , 2012, 132, 2350-2359.	0.3	73
89	Structure and Function of the Stratum Corneum Extracellular Matrix. <i>Journal of Investigative Dermatology</i> , 2012, 132, 2131-2133.	0.3	108
90	Topical hesperidin improves epidermal permeability barrier function and epidermal differentiation in normal murine skin. <i>Experimental Dermatology</i> , 2012, 21, 337-340.	1.4	47

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91	Filaggrin Genotype in Ichthyosis Vulgaris Predicts Abnormalities in Epidermal Structure and Function. <i>American Journal of Pathology</i> , 2011, 178, 2252-2263.	1.9	213
92	Skin ultrastructural findings in type 2 Gaucher disease: Diagnostic implications. <i>Molecular Genetics and Metabolism</i> , 2011, 104, 631-636.	0.5	32
93	A topical Chinese herbal mixture improves epidermal permeability barrier function in normal murine skin. <i>Experimental Dermatology</i> , 2011, 20, 285-288.	1.4	16
94	Pathogenesis of the cutaneous phenotype in inherited disorders of cholesterol metabolism. <i>Dermato-Endocrinology</i> , 2011, 3, 100-106.	1.9	24
95	Expression of Epidermal CAMP Changes in Parallel with Permeability Barrier Status. <i>Journal of Investigative Dermatology</i> , 2011, 131, 2263-2270.	0.3	28
96	Regulation of Cathelicidin Antimicrobial Peptide Expression by an Endoplasmic Reticulum (ER) Stress Signaling, Vitamin D Receptor-independent Pathway. <i>Journal of Biological Chemistry</i> , 2011, 286, 34121-34130.	1.6	120
97	Lipoxygenases Mediate the Effect of Essential Fatty Acid in Skin Barrier Formation. <i>Journal of Biological Chemistry</i> , 2011, 286, 24046-24056.	1.6	132
98	Efficacy of Combined Peroxisome Proliferator-Activated Receptor- δ Ligand and Glucocorticoid Therapy in a Murine Model of Atopic Dermatitis. <i>Journal of Investigative Dermatology</i> , 2011, 131, 1845-1852.	0.3	37
99	Pathogenesis-Based Therapy Reverses Cutaneous Abnormalities in an Inherited Disorder of Distal Cholesterol Metabolism. <i>Journal of Investigative Dermatology</i> , 2011, 131, 2242-2248.	0.3	95
100	Topical calcineurin inhibitors compromise stratum corneum integrity, epidermal permeability and antimicrobial barrier function. <i>Experimental Dermatology</i> , 2010, 19, 501-510.	1.4	55
101	Ichthyosis in Sjögren-Larsson syndrome reflects defective barrier function due to abnormal lamellar body structure and secretion. <i>Archives of Dermatological Research</i> , 2010, 302, 443-451.	1.1	39
102	Barrier requirements as the evolutionary "driver" of epidermal pigmentation in humans. <i>American Journal of Human Biology</i> , 2010, 22, 526-537.	0.8	46
103	Acute Acidification of Stratum Corneum Membrane Domains Using Polyhydroxyl Acids Improves Lipid Processing and Inhibits Degradation of Corneodesmosomes. <i>Journal of Investigative Dermatology</i> , 2010, 130, 500-510.	0.3	115
104	Therapeutic Implications of a Barrier-based Pathogenesis of Atopic Dermatitis. <i>Annals of Dermatology</i> , 2010, 22, 245.	0.3	54
105	Mitotic Recombination in Patients with Ichthyosis Causes Reversion of Dominant Mutations in <i>KRT10</i> . <i>Science</i> , 2010, 330, 94-97.	6.0	176
106	Neutral Lipid Storage Leads to Acylceramide Deficiency, Likely Contributing to the Pathogenesis of Dorfman-Chanarin Syndrome. <i>Journal of Investigative Dermatology</i> , 2010, 130, 2497-2499.	0.3	53
107	Murine atopic dermatitis responds to peroxisome proliferator-activated receptors δ and β (but not γ) and liver X receptor activators. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 125, 160-169.e5.	1.5	74
108	Revised nomenclature and classification of inherited ichthyoses: Results of the First Ichthyosis Consensus Conference in Sorðze 2009. <i>Journal of the American Academy of Dermatology</i> , 2010, 63, 607-641.	0.6	610

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109	Neuroendocrine Nicotinic Receptor Activation Increases Susceptibility to Bacterial Infections by Suppressing Antimicrobial Peptide Production. <i>Cell Host and Microbe</i> , 2010, 7, 277-289.	5.1	69
110	Abnormal skin barrier in the etiopathogenesis of atopic dermatitis. <i>Current Allergy and Asthma Reports</i> , 2009, 9, 265-272.	2.4	76
111	pH-Regulated Mechanisms Account for Pigment-Type Differences in Epidermal Barrier Function. <i>Journal of Investigative Dermatology</i> , 2009, 129, 1719-1729.	0.3	125
112	Maintenance of an Acidic Stratum Corneum Prevents Emergence of Murine Atopic Dermatitis. <i>Journal of Investigative Dermatology</i> , 2009, 129, 1824-1835.	0.3	105
113	Activators of PPARs and LXR decrease the adverse effects of exogenous glucocorticoids on the epidermis. <i>Experimental Dermatology</i> , 2009, 18, 643-649.	1.4	56
114	Filaggrin deficiency confers a paracellular barrier abnormality that reduces inflammatory thresholds to irritants and haptens. <i>Journal of Allergy and Clinical Immunology</i> , 2009, 124, 496-506.e6.	1.5	248
115	Evidence that stress to the epidermal barrier influenced the development of pigmentation in humans. <i>Pigment Cell and Melanoma Research</i> , 2009, 22, 420-434.	1.5	39
116	Abnormal skin barrier in the etiopathogenesis of atopic dermatitis. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2009, 9, 437-446.	1.1	204
117	An Appropriate Response to the Black-Box Warning: Corrective, Barrier Repair Therapy in Atopic Dermatitis. <i>Clinical Medicine Dermatology</i> , 2009, 2, 1-3.	3.0	5
118	Skin barrier function. <i>Current Allergy and Asthma Reports</i> , 2008, 8, 299-305.	2.4	147
119	Biopositive Effects of Low-Dose UVB on Epidermis: Coordinate Upregulation of Antimicrobial Peptides and Permeability Barrier Reinforcement. <i>Journal of Investigative Dermatology</i> , 2008, 128, 2880-2887.	0.3	137
120	“Outside-to-Inside” (and Now Back to “Outside”) Pathogenic Mechanisms in Atopic Dermatitis. <i>Journal of Investigative Dermatology</i> , 2008, 128, 1067-1070.	0.3	263
121	Characterization of a Hapten-Induced, Murine Model with Multiple Features of Atopic Dermatitis: Structural, Immunologic, and Biochemical Changes following Single Versus Multiple Oxazolone Challenges. <i>Journal of Investigative Dermatology</i> , 2008, 128, 79-86.	0.3	219
122	Co-Regulation and Interdependence of the Mammalian Epidermal Permeability and Antimicrobial Barriers. <i>Journal of Investigative Dermatology</i> , 2008, 128, 917-925.	0.3	199
123	Basis for the barrier abnormality in atopic dermatitis: Outside-inside-outside pathogenic mechanisms. <i>Journal of Allergy and Clinical Immunology</i> , 2008, 121, 1337-1343.	1.5	403
124	Barrier repair trumps immunology in the pathogenesis and therapy of atopic dermatitis. <i>Drug Discovery Today Disease Mechanisms</i> , 2008, 5, e33-e38.	0.8	16
125	Acute Modulations in Permeability Barrier Function Regulate Epidermal Cornification. <i>American Journal of Pathology</i> , 2008, 172, 86-97.	1.9	124
126	Epidermal Vascular Endothelial Growth Factor Production Is Required for Permeability Barrier Homeostasis, Dermal Angiogenesis, and the Development of Epidermal Hyperplasia. <i>American Journal of Pathology</i> , 2008, 173, 689-699.	1.9	90

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127	Thematic Review Series: Skin Lipids. Peroxisome proliferator-activated receptors and liver X receptors in epidermal biology. <i>Journal of Lipid Research</i> , 2008, 49, 499-509.	2.0	170
128	Thematic review series: Skin Lipids. Pathogenesis of permeability barrier abnormalities in the ichthyoses: inherited disorders of lipid metabolism. <i>Journal of Lipid Research</i> , 2008, 49, 697-714.	2.0	171
129	Barrier-repair therapy for atopic dermatitis: corrective lipid biochemical therapy. <i>Expert Review of Dermatology</i> , 2008, 3, 441-452.	0.3	18
130	Loss of functional ELOVL4 depletes very long-chain fatty acids (â€C28) and the unique ̑-O-acylceramides in skin leading to neonatal death. <i>Human Molecular Genetics</i> , 2007, 16, 471-482.	1.4	234
131	Ichthyosis Update: Towards a Function-Driven Model of Pathogenesis of the Disorders of Cornification and the Role of Corneocyte Proteins in These Disorders. <i>Advances in Dermatology</i> , 2007, 23, 231-256.	2.0	94
132	The Regulation of Permeability Barrier Homeostasis. <i>Journal of Investigative Dermatology</i> , 2007, 127, 1574-1576.	0.3	87
133	Stratum Corneum Acidification Is Impaired in Moderately Aged Human and Murine Skin. <i>Journal of Investigative Dermatology</i> , 2007, 127, 2847-2856.	0.3	176
134	The skin barrier as an innate immune element. <i>Seminars in Immunopathology</i> , 2007, 29, 3-14.	2.8	333
135	Psychological stress downregulates epidermal antimicrobial peptide expression and increases severity of cutaneous infections in mice. <i>Journal of Clinical Investigation</i> , 2007, 117, 3339-3349.	3.9	193
136	Serine Protease Activity and Residual LEKTI Expression Determine Phenotype in Netherton Syndrome. <i>Journal of Investigative Dermatology</i> , 2006, 126, 1609-1621.	0.3	163
137	Serine Protease Signaling of Epidermal Permeability Barrier Homeostasis. <i>Journal of Investigative Dermatology</i> , 2006, 126, 2074-2086.	0.3	187
138	Glucocorticoid blockade reverses psychological stress-induced abnormalities in epidermal structure and function. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 291, R1657-R1662.	0.9	90
139	Interactions among stratum corneum defensive functions. <i>Experimental Dermatology</i> , 2005, 14, 719-726.	1.4	174
140	Interactions among stratum corneum defensive functions. <i>Experimental Dermatology</i> , 2005, 14, 776-776.	1.4	3
141	Mechanisms by Which Psychologic Stress Alters Cutaneous Permeability Barrier Homeostasis and Stratum Corneum Integrity. <i>Journal of Investigative Dermatology</i> , 2005, 124, 587-595.	0.3	176
142	Stratum Corneum Defensive Functions: An Integrated View. <i>Journal of Investigative Dermatology</i> , 2005, 125, 183-200.	0.3	589
143	Differential Expression of Fatty Acid Transport Proteins in Epidermis and Skin Appendages. <i>Journal of Investigative Dermatology</i> , 2005, 125, 1174-1181.	0.3	75
144	Pro-differentiating effects of oxysterols in keratinocytes. <i>Experimental Dermatology</i> , 2005, 14, 154-155.	1.4	3

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145	Peroxisome Proliferator-Activated Receptor (PPAR)- α Stimulates Differentiation and Lipid Accumulation in Keratinocytes. <i>Journal of Investigative Dermatology</i> , 2004, 122, 971-983.	0.3	206
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