

Mao-Qiang Man

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108
papers

3,777
citations

33
h-index

60
g-index

114
ext. papers

4,225
ext. citations

2.5
avg, IF

5
L-index

#	Paper	IF	Citations
108	Short-term glucocorticoid treatment compromises both permeability barrier homeostasis and stratum corneum integrity: inhibition of epidermal lipid synthesis accounts for functional abnormalities. <i>Journal of Investigative Dermatology</i> , 2003 , 120, 456-64	4.3	247
107	Barrier recovery is impeded at neutral pH, independent of ionic effects: implications for extracellular lipid processing. <i>Archives of Dermatological Research</i> , 1998 , 290, 215-22	3.3	227
106	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, 506.e1-6	11.5	217
105	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	4.3	191
104	Co-regulation and interdependence of the mammalian epidermal permeability and antimicrobial barriers. <i>Journal of Investigative Dermatology</i> , 2008 , 128, 917-25	4.3	179
103	Mechanisms by which psychologic stress alters cutaneous permeability barrier homeostasis and stratum corneum integrity. <i>Journal of Investigative Dermatology</i> , 2005 , 124, 587-95	4.3	142
102	Topical peroxisome proliferator activated receptor-alpha activators reduce inflammation in irritant and allergic contact dermatitis models. <i>Journal of Investigative Dermatology</i> , 2002 , 118, 94-101	4.3	140
101	Exogenous Lipids Influence Permeability Barrier Recovery in Acetone-Treated Murine Skin. <i>Archives of Dermatology</i> , 1993 , 129, 728		138
100	Stratum corneum acidification is impaired in moderately aged human and murine skin. <i>Journal of Investigative Dermatology</i> , 2007 , 127, 2847-56	4.3	136
99	Stimulation of PPARalpha promotes epidermal keratinocyte differentiation in vivo. <i>Journal of Investigative Dermatology</i> , 2000 , 115, 353-60	4.3	123
98	Permeability barrier disorder in Niemann-Pick disease: sphingomyelin-ceramide processing required for normal barrier homeostasis. <i>Journal of Investigative Dermatology</i> , 2000 , 115, 459-66	4.3	123
97	Hyaluronan-CD44 interaction stimulates keratinocyte differentiation, lamellar body formation/secretion, and permeability barrier homeostasis. <i>Journal of Investigative Dermatology</i> , 2006 , 126, 1356-65	4.3	113
96	Basis for improved permeability barrier homeostasis induced by PPAR and LXR activators: liposensors stimulate lipid synthesis, lamellar body secretion, and post-secretory lipid processing. <i>Journal of Investigative Dermatology</i> , 2006 , 126, 386-92	4.3	95
95	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, 500-10	4.3	91
94	Keratinocyte differentiation in hyperproliferative epidermis: topical application of PPARalpha activators restores tissue homeostasis. <i>Journal of Investigative Dermatology</i> , 2000 , 115, 361-7	4.3	91
93	Maintenance of an acidic stratum corneum prevents emergence of murine atopic dermatitis. <i>Journal of Investigative Dermatology</i> , 2009 , 129, 1824-35	4.3	84
92	Is endogenous glycerol a determinant of stratum corneum hydration in humans?. <i>Journal of Investigative Dermatology</i> , 2005 , 125, 288-93	4.3	78

91	Epidermal vascular endothelial growth factor production is required for permeability barrier homeostasis, dermal angiogenesis, and the development of epidermal hyperplasia: implications for the pathogenesis of psoriasis. <i>American Journal of Pathology</i> , 2008 , 173, 689-99	5.8	75
90	Oxysterol stimulation of epidermal differentiation is mediated by liver X receptor-beta in murine epidermis. <i>Journal of Investigative Dermatology</i> , 2002 , 118, 25-34	4.3	70
89	Murine atopic dermatitis responds to peroxisome proliferator-activated receptors alpha and beta/delta (but not gamma) and liver X receptor activators. <i>Journal of Allergy and Clinical Immunology</i> , 2010 , 125, 160-9.e1-5	11.5	65
88	Deficiency of PPARbeta/delta in the epidermis results in defective cutaneous permeability barrier homeostasis and increased inflammation. <i>Journal of Investigative Dermatology</i> , 2008 , 128, 370-7	4.3	65
87	Ablation of the calcium-sensing receptor in keratinocytes impairs epidermal differentiation and barrier function. <i>Journal of Investigative Dermatology</i> , 2012 , 132, 2350-2359	4.3	63
86	Activators of PPARs and LXR decrease the adverse effects of exogenous glucocorticoids on the epidermis. <i>Experimental Dermatology</i> , 2009 , 18, 643-9	4	50
85	Selective matrix (hyaluronan) interaction with CD44 and RhoGTPase signaling promotes keratinocyte functions and overcomes age-related epidermal dysfunction. <i>Journal of Dermatological Science</i> , 2013 , 72, 32-44	4.3	49
84	Topical calcineurin inhibitors compromise stratum corneum integrity, epidermal permeability and antimicrobial barrier function. <i>Experimental Dermatology</i> , 2010 , 19, 501-10	4	48
83	Epidermal Dysfunction Leads to an Age-Associated Increase in Levels of Serum Inflammatory Cytokines. <i>Journal of Investigative Dermatology</i> , 2017 , 137, 1277-1285	4.3	46
82	Benefits of Hesperidin for Cutaneous Functions. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019 , 2019, 2676307	2.3	42
81	Topical antihistamines display potent anti-inflammatory activity linked in part to enhanced permeability barrier function. <i>Journal of Investigative Dermatology</i> , 2013 , 133, 469-78	4.3	42
80	Abnormal epidermal barrier recovery in uninvolved skin supports the notion of an epidermal pathogenesis of psoriasis. <i>Journal of Investigative Dermatology</i> , 2014 , 134, 2843-2846	4.3	39
79	Basis for enhanced barrier function of pigmented skin. <i>Journal of Investigative Dermatology</i> , 2014 , 134, 2399-2407	4.3	37
78	Topical apigenin improves epidermal permeability barrier homeostasis in normal murine skin by divergent mechanisms. <i>Experimental Dermatology</i> , 2013 , 22, 210-5	4	37
77	Topical hesperidin improves epidermal permeability barrier function and epidermal differentiation in normal murine skin. <i>Experimental Dermatology</i> , 2012 , 21, 337-40	4	34
76	Moisturizers versus Current and Next-Generation Barrier Repair Therapy for the Management of Atopic Dermatitis. <i>Skin Pharmacology and Physiology</i> , 2019 , 32, 1-7	3	34
75	Cutaneous resonance running time varies with age, body site and gender in a normal Chinese population. <i>Skin Research and Technology</i> , 2010 , 16, 413-21	1.9	27
74	Mutations in Recessive Congenital Ichthyoses Illuminate the Origin and Functions of the Corneocyte Lipid Envelope. <i>Journal of Investigative Dermatology</i> , 2019 , 139, 760-768	4.3	26

73	Topical apigenin alleviates cutaneous inflammation in murine models. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012 , 2012, 912028	2.3	25
72	Chinese herbal medicine (Tuhuai extract) exhibits topical anti-proliferative and anti-inflammatory activity in murine disease models. <i>Experimental Dermatology</i> , 2008 , 17, 681-7	4	23
71	Validation of GPSkin Barrier for assessing epidermal permeability barrier function and stratum corneum hydration in humans. <i>Skin Research and Technology</i> , 2019 , 25, 25-29	1.9	22
70	Expression of epidermal CAMP changes in parallel with permeability barrier status. <i>Journal of Investigative Dermatology</i> , 2011 , 131, 2263-70	4.3	22
69	Aging-associated alterations in epidermal function and their clinical significance. <i>Aging</i> , 2020 , 12, 5551-5565	5.65	22
68	Cutaneous barrier repair and pathophysiology following barrier disruption in IL-1 and TNF type I receptor deficient mice. <i>Experimental Dermatology</i> , 2007 , 8, 261-266	4	21
67	Paradoxical benefits of psychological stress in inflammatory dermatoses models are glucocorticoid mediated. <i>Journal of Investigative Dermatology</i> , 2014 , 134, 2890-2897	4.3	20
66	Topical hesperidin prevents glucocorticoid-induced abnormalities in epidermal barrier function in murine skin. <i>Experimental Dermatology</i> , 2014 , 23, 645-51	4	17
65	Sun-induced changes in stratum corneum function are gender and dose dependent in a Chinese population. <i>Skin Pharmacology and Physiology</i> , 2010 , 23, 313-9	3	17
64	Heavy Cigarette Smokers in a Chinese Population Display a Compromised Permeability Barrier. <i>BioMed Research International</i> , 2016 , 2016, 9704598	3	16
63	Lasers for Becker's nevus. <i>Lasers in Medical Science</i> , 2019 , 34, 1071-1079	3.1	15
62	Topical hesperidin enhances epidermal function in an aged murine model. <i>Journal of Investigative Dermatology</i> , 2015 , 135, 1184-1187	4.3	15
61	Skin care products can aggravate epidermal function: studies in a murine model suggest a pathogenic role in sensitive skin. <i>Contact Dermatitis</i> , 2018 , 78, 151-158	2.7	15
60	A topical Chinese herbal mixture improves epidermal permeability barrier function in normal murine skin. <i>Experimental Dermatology</i> , 2011 , 20, 285-8	4	14
59	Role of Resveratrol in Regulating Cutaneous Functions. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020 , 2020, 2416837	2.3	14
58	Comparison of publication trends in dermatology among Japan, South Korea and Mainland China. <i>BMC Dermatology</i> , 2014 , 14, 1	2.1	13
57	The role of CD44 in cutaneous inflammation. <i>Experimental Dermatology</i> , 2009 , 18, 962-8	4	12
56	Improvements in epidermal function prevent relapse of psoriasis: a self-controlled study. <i>Clinical and Experimental Dermatology</i> , 2019 , 44, 654-657	1.8	12

55	Comparison of the Efficacy of Atopalm() Multi-Lamellar Emulsion Cream and Physiogel() Intensive Cream in Improving Epidermal Permeability Barrier in Sensitive Skin. <i>Dermatology and Therapy</i> , 2016 , 6, 47-56	4	11
54	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		11
53	Phospholipase C deficiency delays the early stage of cutaneous wound healing and attenuates scar formation in mice. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 484, 144-151	3-4	10
52	A cream of herbal mixture to improve melasma. <i>Journal of Cosmetic Dermatology</i> , 2019 , 18, 1721-1728	2.5	9
51	Lightening Becker nevus with topical glycolic acid. <i>Journal of the American Academy of Dermatology</i> , 2019 , 80, e3	4-5	9
50	Adverse cutaneous reactions to skin care products on the face vary with age, but not with sex. <i>Contact Dermatitis</i> , 2018 , 79, 365-369	2-7	9
49	Stratum corneum hydration regulates key epidermal function and serves as an indicator and contributor to other conditions. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2019 , 33, 15-16	4.6	8
48	Therapeutic Benefits of Natural Ingredients for Atopic Dermatitis. <i>Chinese Journal of Integrative Medicine</i> , 2018 , 24, 308-314	2.9	8
47	Could Inflammaging and Its Sequelae Be Prevented or Mitigated?. <i>Clinical Interventions in Aging</i> , 2019 , 14, 2301-2304	4	8
46	Seasonal variations of epidermal biophysical properties in Kunming, China: A self-controlled cohort study. <i>Skin Research and Technology</i> , 2020 , 26, 702-707	1.9	7
45	A topical heparinoid-containing product improves epidermal permeability barrier homeostasis in mice. <i>Experimental Dermatology</i> , 2019 , 28, 956-960	4	6
44	Could psoriasis be preventable?. <i>Dermatologica Sinica</i> , 2015 , 33, 243-244	1.1	6
43	By protecting against cutaneous inflammation, epidermal pigmentation provided an additional advantage for ancestral humans. <i>Evolutionary Applications</i> , 2019 , 12, 1960-1970	4.8	6
42	Herbal Medicines Prevent the Development of Atopic Dermatitis by Multiple Mechanisms. <i>Chinese Journal of Integrative Medicine</i> , 2019 , 25, 151-160	2.9	6
41	Gender-related characterization of sensitive skin in normal young Chinese. <i>Journal of Cosmetic Dermatology</i> , 2020 , 19, 1137-1142	2.5	6
40	Association between lactic acid sting test scores, self-assessed sensitive skin scores and biophysical properties in Chinese females. <i>International Journal of Cosmetic Science</i> , 2019 , 41, 398-404	2-7	5
39	Herbal medicines that benefit epidermal permeability barrier function. <i>Dermatologica Sinica</i> , 2015 , 33, 90-95	1.1	5
38	Regulatory Role of Nitric Oxide in Cutaneous Inflammation.. <i>Inflammation</i> , 2022 , 1	5-1	5

37	Commonly Employed African Neonatal Skin Care Products Compromise Epidermal Function in Mice. <i>Pediatric Dermatology</i> , 2016 , 33, 493-500	1.9	5
36	An optimized inexpensive emollient mixture improves barrier repair in murine skin. <i>Dermatologica Sinica</i> , 2015 , 33, 96-102	1.1	4
35	Cutaneous resonance running time is decreased in psoriatic lesions. <i>Skin Research and Technology</i> , 2012 , 18, 232-7	1.9	4
34	Topical herbal extract (Huangdang mixture) exhibits both preventive and therapeutic effects in murine acute irritant contact dermatitis. <i>International Journal of Dermatology</i> , 2011 , 50, 1421-7	1.7	4
33	Altered Epidermal Permeability Barrier Function in the Uninvolved Skin Supports a Role of Epidermal Dysfunction in the Pathogenesis of Occupational Hand Eczema. <i>Skin Pharmacology and Physiology</i> , 2020 , 33, 94-101	3	4
32	Ten-year publication trends in dermatology in mainland China. <i>International Journal of Dermatology</i> , 2014 , 53, e438-42	1.7	3
31	Role of nitric oxide in regulating epidermal permeability barrier function. <i>Experimental Dermatology</i> , 2021 ,	4	3
30	Comparison of transepidermal water loss rates in subjects with skin patch test positive vs negative to skin care products. <i>Journal of Cosmetic Dermatology</i> , 2020 , 19, 2021-2024	2.5	3
29	Inducible nitric oxide synthase is required for epidermal permeability barrier homeostasis in mice. <i>Experimental Dermatology</i> , 2020 , 29, 1027-1032	4	3
28	Novel nonsense mutation of the SLC39A4 gene in a family with atypical acrodermatitis enteropathica. <i>Clinical and Experimental Dermatology</i> , 2019 , 44, 933-936	1.8	2
27	ANTI-ULCEROGENIC EFFICACY AND MECHANISMS OF EDIBLE AND NATURAL INGREDIENTS IN NSAID-INDUCED ANIMAL MODELS. <i>Tropical Journal of Obstetrics and Gynaecology</i> , 2017 , 14, 221-238	0.3	2
26	Disruption of epidermal permeability barrier enhances UV-induced hyperpigmentation. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2020 , 36, 156-158	2.4	2
25	The efficacy of intense pulsed light for Becker's nevus: A retrospective analysis of 45 cases. <i>Journal of Cosmetic Dermatology</i> , 2021 , 20, 466-471	2.5	2
24	755-nm Q-switched alexandrite laser does not markedly benefit Becker's nevus: a retrospective analysis of 59 cases. <i>Lasers in Medical Science</i> , 2021 , 36, 699-702	3.1	2
23	Topical Applications of a Heparinoid-Containing Product Attenuate Glucocorticoid-Induced Alterations in Epidermal Permeability Barrier in Mice. <i>Skin Pharmacology and Physiology</i> , 2021 , 34, 86-93 ³		2
22	Prevalence and Severity of Dermatological Condition-Associated Skin Pain in the Chinese. <i>Journal of Pain Research</i> , 2020 , 13, 1201-1207	2.9	1
21	800nm diode laser does not display long-term benefit for hair removal in Becker's nevus: A retrospective analysis of 24 cases. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2020 , 36, 387-389	2.4	1
20	Phospholipase C epsilon mediates cytokine cascade induced by acute disruption of epidermal permeability barrier in mice. <i>Biochemistry and Biophysics Reports</i> , 2020 , 24, 100869	2.2	1

19	Both Prevalence and Severity of Pruritus are Associated with Age in Chinese Patients with Skin Diseases. <i>Clinical, Cosmetic and Investigational Dermatology</i> , 2021 , 14, 217-223	2.9	1
18	Topical Applications of a Novel Emollient Inhibit Inflammation in Murine Models of Acute Contact Dermatitis. <i>BioMed Research International</i> , 2021 , 2021, 5594646	3	1
17	Efficacy and safety of 755nm Q-switched Alexandrite Laser for Hori's nevus: a retrospective analysis of 482 Chinese women. <i>Lasers in Medical Science</i> , 2021 , 1	3.1	1
16	Either transepidermal water loss rates or stratum corneum hydration levels can predict quality of life in children with atopic dermatitis.. <i>Pediatric Investigation</i> , 2021 , 5, 277-280	1.3	1
15	Gender-related characterisation of Becker naevus in Chinese patients: A retrospective analysis of 193 cases. <i>Australasian Journal of Dermatology</i> , 2020 , 61, e132-e133	1.3	1
14	Mutations in 3-hydroxysteroid- β , η -isomerase paradoxically benefit epidermal permeability barrier homeostasis in mice. <i>Experimental Dermatology</i> , 2021 , 30, 384-389	4	1
13	Both Age and Disease Duration are Associated with Clinical Phenotype of Hori's Nevus in Chinese: A Retrospective Analysis of 497 Cases. <i>Clinical, Cosmetic and Investigational Dermatology</i> , 2021 , 14, 65-71	2.9	1
12	Topical Applications of Thiosulfinate-Enriched Allium sativum Extract Accelerates Acute Cutaneous Wound Healing in Murine Model. <i>Chinese Journal of Integrative Medicine</i> , 2020 , 26, 812-818	2.9	0
11	Topical applications of a novel formulation improve epidermal permeability barrier in chronologically aged humans. <i>Journal of Cosmetic Dermatology</i> , 2021 ,	2.5	0
10	Deficiency of vitamin D receptor in keratinocytes augments dermal fibrosis and inflammation in a mouse model of HOCl-induced scleroderma.. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 591, 1-6	3.4	0
9	Characterization of rosacea in Chinese: An analysis of 254 cases. <i>Journal of Cosmetic Dermatology</i> , 2021 , 20, 3666-3671	2.5	0
8	Sex differences of Chinese patients with primary localized cutaneous amyloidosis. <i>Journal of Dermatology</i> , 2019 , 46, e242-e243	1.6	
7	Comparison of Epidermal Gene Expression Profiles in Mice Aged 1 to 20 Months.. <i>Clinical, Cosmetic and Investigational Dermatology</i> , 2022 , 15, 69-76	2.9	
6	Topical N-palmitoyl serinol, a commensal bacterial metabolite, prevents the development of epidermal permeability barrier dysfunction in a murine model of atopic dermatitis-like skin. <i>Canadian Journal of Veterinary Research</i> , 2021 , 85, 201-204	0.5	
5	Cells in the Skin 2017 , 63-113		
4	Reply to: "Lightening Becker nevus: Role of topical therapies". <i>Journal of the American Academy of Dermatology</i> , 2019 , 80, e41	4.5	
3	Double knockout of vitamin D receptor and its coactivator mediator complex subunit 1 unexpectedly enhances epidermal permeability barrier function in mice. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021 , 1868, 119131	4.9	
2	Optimised emollient mixture for skin barrier repair: Applications to global child health.. <i>Journal of Global Health</i> , 2022 , 12, 03019	4.3	

1 UVB-Induced Secretion of IL-1 Promotes Melanogenesis by Upregulating TYR/TRP-1 Expression In Vitro.. *BioMed Research International*, **2022**, 2022, 8230646

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