Jie Zheng

List of Publications by Year in descending order

82 papers	4,332 citations	159525 30 h-index	128225 60 g-index
87 all docs	87 docs citations	87 times ranked	6921 citing authors

#	Article	IF	Citations
1	Energy metabolism of cancer: Glycolysis versus oxidative phosphorylation (Review). Oncology Letters, 2012, 4, 1151-1157.	0.8	679
2	Molecular Mechanism of TRP Channels. , 2013, 3, 221-242.		284
3	Structural mechanism underlying capsaicin binding and activation of the TRPV1 ion channel. Nature Chemical Biology, 2015, 11, 518-524.	3.9	236
4	Understand spiciness: mechanism of TRPV1 channel activation by capsaicin. Protein and Cell, 2017, 8, 169-177.	4.8	219
5	A pivotal phase III, randomised, placebo-controlled study of belimumab in patients with systemic lupus erythematosus located in China, Japan and South Korea. Annals of the Rheumatic Diseases, 2018, 77, 355-363.	0.5	196
6	Deep sequencing of the MHC region in the Chinese population contributes to studies of complex disease. Nature Genetics, 2016, 48, 740-746.	9.4	188
7	Thermosensitive TRP channel pore turret is part of the temperature activation pathway. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7083-7088.	3.3	183
8	Thermosensitive TRPV Channel Subunits Coassemble into Heteromeric Channels with Intermediate Conductance and Gating Properties. Journal of General Physiology, 2007, 129, 191-207.	0.9	172
9	A Critical Role of the IL-1Î²â€“IL-1R Signaling Pathway in Skin Inflammation and Psoriasis Pathogenesis. Journal of Investigative Dermatology, 2019, 139, 146-156.	0.3	152
10	Differential developmental requirement and peripheral regulation for dermal VÎ³4 and VÎ³6T17 cells in health and inflammation. Nature Communications, 2014, 5, 3986.	5.8	137
11	Selectivity Changes during Activation of Mutant Shaker Potassium Channels. Journal of General Physiology, 1997, 110, 101-117.	0.9	121
12	Gating Rearrangements in Cyclic Nucleotide-Gated Channels Revealed by Patch-Clamp Fluorometry. Neuron, 2000, 28, 369-374.	3.8	100
13	Selective disruption of high sensitivity heat activation but not capsaicin activation of TRPV1 channels by pore turret mutations. Journal of General Physiology, 2012, 139, 273-283.	0.9	96
14	A pain-inducing centipede toxin targets the heat activation machinery of nociceptor TRPV1. Nature Communications, 2015, 6, 8297.	5.8	96
15	The imbalance of Th17 and regulatory T cells in pemphigus patients. European Journal of Dermatology, 2013, 23, 795-802.	0.3	58
16	High temperature sensitivity is intrinsic to voltage-gated potassium channels. ELife, 2014, 3, e03255.	2.8	58
17	Oncogenic chromosomal translocations and human cancer (Review). Oncology Reports, 2013, 30, 2011-2019.	1.2	56
18	The conformational wave in capsaicin activation of transient receptor potential vanilloid 1 ion channel. Nature Communications, 2018, 9, 2879.	5.8	54

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19	Long non-coding RNA KRT19P3 suppresses proliferation and metastasis through COPS7A-mediated NF-Î¹B pathway in gastric cancer. Oncogene, 2019, 38, 7073-7088.	2.6	54
20	Psoriatic lesions are characterized by higher bacterial load and imbalance between Cutibacterium and Corynebacterium. Journal of the American Academy of Dermatology, 2020, 82, 955-961.	0.6	54
21	A Non-covalent Ligand Reveals Biased Agonism of the TRPA1 Ion Channel. Neuron, 2021, 109, 273-284.e4.	3.8	52
22	Divalent cations activate TRPV1 through promoting conformational change of the extracellular region. Journal of General Physiology, 2014, 143, 91-103.	0.9	51
23	Rational design and validation of a vanilloid-sensitive TRPV2 ion channel. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3657-66.	3.3	47
24	Differential Roles of the mTOR-STAT3 Signaling in Dermal Î³Î´ T Cell Effector Function in Skin Inflammation. Cell Reports, 2019, 27, 3034-3048.e5.	2.9	46
25	Molecular basis for heat desensitization of TRPV1 ion channels. Nature Communications, 2019, 10, 2134.	5.8	46
26	Divalent cations potentiate TRPV1 channel by lowering the heat activation threshold. Journal of General Physiology, 2014, 143, 75-90.	0.9	44
27	A bimodal activation mechanism underlies scorpion toxinâ€“induced pain. Science Advances, 2017, 3, e1700810.	4.7	42
28	MicroRNA Signatures in Diagnosis and Prognosis of Cutaneous T-Cell Lymphoma. Journal of Investigative Dermatology, 2018, 138, 2024-2032.	0.3	41
29	Gottron Papules and Gottron Sign with Ulceration: A Distinctive Cutaneous Feature in a Subset of Patients with Classic Dermatomyositis and Clinically Amyopathic Dermatomyositis. Journal of Rheumatology, 2016, 43, 1735-1742.	1.0	39
30	Hidden Markov Model Analysis of Intermediate Gating Steps Associated with the Pore Gate of Shaker Potassium Channels. Journal of General Physiology, 2001, 118, 547-564.	0.9	37
31	Structural mechanisms underlying activation of TRPV1 channels by pungent compounds in gingers. British Journal of Pharmacology, 2019, 176, 3364-3377.	2.7	36
32	Topical application of a linoleic acid-ceramide containing moisturizer exhibit therapeutic and preventive benefits for psoriasis vulgaris: a randomized controlled trial. Dermatologic Therapy, 2015, 28, 373-382.	0.8	35
33	Prokineticin 2 Plays a Pivotal Role in Psoriasis. EBioMedicine, 2016, 13, 248-261.	2.7	33
34	Gain-of-Function Mutations in TRPM4 Activation Gate Cause Progressive Symmetric Erythrokeratodermia. Journal of Investigative Dermatology, 2019, 139, 1089-1097.	0.3	32
35	A distinct structural mechanism underlies TRPV1 activation by piperine. Biochemical and Biophysical Research Communications, 2019, 516, 365-372.	1.0	31
36	Spectroscopy-Based Quantitative Fluorescence Resonance Energy Transfer Analysis. , 2006, 337, 65-77.		29

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37	Structure and Function of the ThermoTRP Channel Pore. Current Topics in Membranes, 2014, 74, 233-257.	0.5	29
38	Mechanistic Scrutiny Identifies a Kinetic Role for Cytochrome b5 Regulation of Human Cytochrome P450c17 (CYP17A1, P450 17A1). PLoS ONE, 2015, 10, e0141252.	1.1	28
39	Identification of a Tetrameric Assembly Domain in the C Terminus of Heat-activated TRPV1 Channels. Journal of Biological Chemistry, 2011, 286, 15308-15316.	1.6	27
40	Temperature-dependent Activation of Neurons by Continuous Near-infrared Laser. Cell Biochemistry and Biophysics, 2009, 53, 33-42.	0.9	26
41	Is SATB1 a Master Regulator in Breast Cancer Growth and Metastasis?. Women's Health, 2008, 4, 329-332.	0.7	25
42	Arsenic trioxide inhibits cell proliferation and human papillomavirus oncogene expression in cervical cancer cells. Biochemical and Biophysical Research Communications, 2014, 451, 556-561.	1.0	23
43	Proton block of proton-activated TRPV1 current. Journal of General Physiology, 2015, 146, 147-159.	0.9	22
44	Molecular mechanism of the tree shrewâ€™s insensitivity to spiciness. PLoS Biology, 2018, 16, e2004921.	2.6	19
45	An Unorthodox Mechanism Underlying Voltage Sensitivity of TRPV1 Ion Channel. Advanced Science, 2020, 7, 2000575.	5.6	19
46	The expression and phosphorylation of ezrin and merlin in human pancreatic cancer. International Journal of Oncology, 2014, 44, 2059-2067.	1.4	16
47	A specialized pore turret in the mammalian cation channel TRPV1 is responsible for distinct and species-specific heat activation thresholds. Journal of Biological Chemistry, 2020, 295, 9641-9649.	1.6	16
48	Topical ALA-PDT as alternative therapeutic option in treatment-recalcitrant dermatosis: Report of 4 cases. Photodiagnosis and Photodynamic Therapy, 2017, 20, 189-192.	1.3	15
49	A centipede toxin causes rapid desensitization of nociceptor TRPV1 ion channel. Toxicon, 2020, 178, 41-49.	0.8	15
50	Role of BP230 autoantibodies in bullous pemphigoid. Journal of Dermatology, 2020, 47, 317-326.	0.6	13
51	Metabolic profiling reveals interleukin-17A monoclonal antibody treatment ameliorate lipids metabolism with the potentiality to reduce cardiovascular risk in psoriasis patients. Lipids in Health and Disease, 2021, 20, 16.	1.2	12
52	Diffuse hyperpigmented plaques as cutaneous manifestation of multicentric Castleman disease and treatment with thalidomide: Report of three cases. Journal of the American Academy of Dermatology, 2011, 65, 430-432.	0.6	11
53	Domainâ€“domain interactions in ion channels. Journal of General Physiology, 2013, 142, 347-350.	0.9	11
54	Hedgehog-glioma-associated oncogene homolog-1 signaling in colon cancer cells and its role in the celecoxib-mediated anti-cancer effect. Oncology Letters, 2014, 8, 2203-2208.	0.8	11

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55	A sensitive method for digoxin determination using formate-adduct ion based on the effect of ionization enhancement in liquid chromatographâ€“mass spectrometer. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 978-979, 138-144.	1.2	11
56	If skin is a potential host of SARS-CoV-2, IL-17 antibody could reduce the risk of COVID-19. Journal of the American Academy of Dermatology, 2021, 84, e173.	0.6	11
57	Exploring functional roles of TRPV1 intracellular domains with unstructured peptide-insertion screening. Scientific Reports, 2016, 6, 33827.	1.6	10
58	The Latoia consocia Caterpillar Induces Pain by Targeting Nociceptive Ion Channel TRPV1. Toxins, 2019, 11, 695.	1.5	10
59	Distribution of anti-melanoma differentiation associated gene 5 (MDA5) IgG subclasses in MDA5+ dermatomyositis. Rheumatology, 2021, 61, 430-439.	0.9	10
60	New capsaicin analogs as molecular rulers to define the permissive conformation of the mouse TRPV1 ligand-binding pocket. ELife, 2020, 9, .	2.8	10
61	Systemic chemotherapy promotes HIFâ€1Î±â€mediated glycolysis and ILâ€17F pathways in cutaneous Tâ€cell lymphoma. Experimental Dermatology, 2020, 29, 987-992.	1.4	9
62	SRSF1 Facilitates Cytosolic DNA-Induced Production of Type I Interferons Recognized by RIG-I. PLoS ONE, 2015, 10, e0115354.	1.1	8
63	The benefit of a ceramideâ€linoleic acidâ€containing moisturizer as an adjunctive therapy for a set of xerotic dermatoses. Dermatologic Therapy, 2019, 32, e13017.	0.8	8
64	Efficacy and safety of a topical moisturizer containing linoleic acid and ceramide for mildâ€toâ€moderate psoriasis vulgaris: A multicenter randomized controlled trial. Dermatologic Therapy, 2020, 33, e14263.	0.8	8
65	SARS-CoV-2 might transmit through the skin while the skin barrier function could be the mediator. Medical Hypotheses, 2022, 159, 110752.	0.8	7
66	Accelerated, untargeted metabolomics analysis of cutaneous <scp>T</scp>â€cell lymphoma reveals metabolic shifts in plasma and tumor adjacent skins of xenograft mice. Journal of Mass Spectrometry, 2018, 53, 172-182.	0.7	6
67	Distribution and Assembly of TRP Ion Channels. Advances in Experimental Medicine and Biology, 2021, 1349, 111-138.	0.8	6
68	Potential Synergy between SNP and CpG-A or IL-1Î² in Regulating Transcriptional Activity of IL-20 Promoter. Journal of Investigative Dermatology, 2014, 134, 389-395.	0.3	5
69	Does sensitive skin represent a skin condition or manifestations of other disorders?. Journal of Cosmetic Dermatology, 2021, 20, 2058-2061.	0.8	5
70	BP230 IgE autoantibodies in topicalâ€steroidâ€resistant bullous pemphigoid. Journal of Dermatology, 2021, 48, 1372-1380.	0.6	5
71	Effects of osteopontin down-regulation on the growth of prostate cancer PC-3 cells. Molecular Medicine Reports, 2011, 4, 1225-31.	1.1	4
72	Protoporphyrin IX fluorescence as potential indicator of psoriasis severity and progression. Photodiagnosis and Photodynamic Therapy, 2017, 19, 304-307.	1.3	4

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73	Surfactant cocamide monoethanolamide causes eye irritation by activating nociceptor TRPV1 channels. British Journal of Pharmacology, 2021, 178, 3448-3462.	2.7	4
74	Phase 3, long-term, open-label extension period of safety and efficacy of belimumab in patients with systemic lupus erythematosus in China, for up to 6 years. RMD Open, 2022, 8, e001669.	1.8	4
75	Novel heterozygous mutation of protoporphyrinogen oxidase gene in a Chinese patient with variegate porphyria. Journal of Dermatology, 2017, 44, e317-e318.	0.6	2
76	Postherpetic Comedones in Two Chinese Han Patients. Chinese Medical Journal, 2017, 130, 1615-1616.	0.9	2
77	High Prevalence of Preexisting HBV Polymerase Mutations in Pregnant Women Does Not Limit the Antiviral Therapy Efficacy. Canadian Journal of Infectious Diseases and Medical Microbiology, 2021, 2021, 1-8.	0.7	2
78	Serum albumin at 1 year after peritoneal dialysis predicts long-term outcomes on continuous ambulatory peritoneal dialysis. Renal Failure, 2022, 44, 252-257.	0.8	2
79	Case Report: Concurrence of Dermatomyositis and Autoimmune Blistering Diseases: Two Case Reports and a Literature Review. Frontiers in Immunology, 2022, 13, 855408.	2.2	2
80	Infection: An Important Role in the Pathogenesis of Psoriasis. Journal of Investigative Dermatology Symposium Proceedings, 2015, 17, 42.	0.8	1
81	Drs. Cao and Zheng reply. Journal of Rheumatology, 2017, 44, 1100-1100.	1.0	0
82	A case of annular epidermolytic ichthyosis resulting from a de novo mutation, p.I479T, in Keratin 1 Gene. Indian Journal of Dermatology, 2021, 66, 224.	0.1	0