

# Brian S Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

100  
papers

8,970  
citations

57758

44  
h-index

43889

91  
g-index

105  
all docs

105  
docs citations

105  
times ranked

10393  
citing authors

#	ARTICLE	IF	CITATIONS
1	Group 2 innate lymphoid cells promote beiging of white adipose tissue and limit obesity. <i>Nature</i> , 2015, 519, 242-246.	27.8	788
2	Sensory Neurons Co-opt Classical Immune Signaling Pathways to Mediate Chronic Itch. <i>Cell</i> , 2017, 171, 217-228.e13.	28.9	692
3	TSLP Elicits IL-33-Independent Innate Lymphoid Cell Responses to Promote Skin Inflammation. <i>Science Translational Medicine</i> , 2013, 5, 170ra16.	12.4	618
4	TSLP promotes interleukin-3-independent basophil haematopoiesis and type 2 inflammation. <i>Nature</i> , 2011, 477, 229-233.	27.8	453
5	Cutaneous immunosurveillance and regulation of inflammation by group 2 innate lymphoid cells. <i>Nature Immunology</i> , 2013, 14, 564-573.	14.5	410
6	Commensal bacteria-derived signals regulate basophil hematopoiesis and allergic inflammation. <i>Nature Medicine</i> , 2012, 18, 538-546.	30.7	408
7	Thymic stromal lymphopoietin-elicited basophil responses promote eosinophilic esophagitis. <i>Nature Medicine</i> , 2013, 19, 1005-1013.	30.7	351
8	Basophils and allergic inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 132, 789-801.	2.9	237
9	Basophils Promote Innate Lymphoid Cell Responses in Inflamed Skin. <i>Journal of Immunology</i> , 2014, 193, 3717-3725.	0.8	236
10	Exposure to food allergens through inflamed skin promotes intestinal food allergy through the thymic stromal lymphopoietin-basophil axis. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 1390-1399.e6.	2.9	233
11	Activation of Mast-Cell-Expressed Mas-Related G-Protein-Coupled Receptors Drives Non-histaminergic Itch. <i>Immunity</i> , 2019, 50, 1163-1171.e5.	14.3	213
12	IL-33-Dependent Group 2 Innate Lymphoid Cells Promote Cutaneous Wound Healing. <i>Journal of Investigative Dermatology</i> , 2016, 136, 487-496.	0.7	181
13	Germline hypomorphic CARD11 mutations in severe atopic disease. <i>Nature Genetics</i> , 2017, 49, 1192-1201.	21.4	174
14	Intercellular Mitochondria Transfer to Macrophages Regulates White Adipose Tissue Homeostasis and Is Impaired in Obesity. <i>Cell Metabolism</i> , 2021, 33, 270-282.e8.	16.2	160
15	Treatment of atopic dermatitis with ruxolitinib cream (JAK1/JAK2 inhibitor) or triamcinolone cream. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, 572-582.	2.9	151
16	Commensal microbiota modulate gene expression in the skin. <i>Microbiome</i> , 2018, 6, 20.	11.1	147
17	Piezo2 channel-Merkel cell signaling modulates the conversion of touch to itch. <i>Science</i> , 2018, 360, 530-533.	12.6	144
18	Perfect timing: circadian rhythms, sleep, and immunity – an NIH workshop summary. <i>JCI Insight</i> , 2020, 5, .	5.0	136

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19	The Itchâ€“Scratch Cycle: A Neuroimmune Perspective. <i>Trends in Immunology</i> , 2018, 39, 980-991.	6.8	135
20	A basophil-neuronal axis promotes itch. <i>Cell</i> , 2021, 184, 422-440.e17.	28.9	130
21	IL-25 simultaneously elicits distinct populations of innate lymphoid cells and multipotent progenitor type 2 (MPPtype2) cells. <i>Journal of Experimental Medicine</i> , 2013, 210, 1823-1837.	8.5	127
22	Basophil-derived IL-4 promotes epicutaneous antigen sensitization concomitant with the development of food allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 223-234.e5.	2.9	119
23	Macrophage angiotensin II type 2 receptor triggers neuropathic pain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E8057-E8066.	7.1	107
24	Sensory TRP channels contribute differentially to skin inflammation and persistent itch. <i>Nature Communications</i> , 2017, 8, 980.	12.8	106
25	Tumor Necrosis Factor Inhibitorâ€“Associated Dermatomyositis. <i>Archives of Dermatology</i> , 2010, 146, 780-4.	1.4	103
26	Innate lymphoid cells and allergic inflammation. <i>Current Opinion in Immunology</i> , 2013, 25, 738-744.	5.5	85
27	Transient receptor potential vanilloid 4â€“expressing macrophages and keratinocytes contribute differentially to allergic and nonallergic chronic itch. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 608-619.e7.	2.9	85
28	High dietary fat intake induces a microbiota signature that promotes food allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 144, 157-170.e8.	2.9	84
29	Itch: A Paradigm of Neuroimmune Crosstalk. <i>Immunity</i> , 2020, 52, 753-766.	14.3	77
30	Thymic Stromal Lymphopoietin Variation, Filaggrin Loss of Function, and the Persistence of Atopic Dermatitis. <i>JAMA Dermatology</i> , 2014, 150, 254.	4.1	76
31	Dupilumab treatment results in early and sustained improvements in itch in adolescents and adults with moderate to severe atopic dermatitis: Analysis of the randomized phase 3 studies SOLO 1 and SOLO 2, AD ADOL, and CHRONOS. <i>Journal of the American Academy of Dermatology</i> , 2020, 82, 1328-1336.	1.2	74
32	Pruritus in allergy and immunology. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 144, 353-360.	2.9	73
33	Effects of ruxolitinib cream on pruritus and quality of life in atopic dermatitis: Results from a phase 2, randomized, dose-ranging, vehicle- and active-controlled study. <i>Journal of the American Academy of Dermatology</i> , 2020, 82, 1305-1313.	1.2	73
34	Innate Lymphoid Cells in the Skin. <i>Journal of Investigative Dermatology</i> , 2015, 135, 673-678.	0.7	68
35	Group 2 Innate Lymphoid Cells in Health and Disease. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015, 7, a016337.	5.5	65
36	Thymic Stromal Lymphopoietin-Mediated Extramedullary Hematopoiesis Promotes Allergic Inflammation. <i>Immunity</i> , 2013, 39, 1158-1170.	14.3	64

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37	PAR2 Mediates Itch via TRPV3 Signaling in Keratinocytes. <i>Journal of Investigative Dermatology</i> , 2020, 140, 1524-1532.	0.7	64
38	Keratinocytes Function as Accessory Cells for Presentation of Endogenous Antigen Expressed in the Epidermis. <i>Journal of Investigative Dermatology</i> , 2009, 129, 2805-2817.	0.7	63
39	TRPV4 Channel Signaling in Macrophages Promotes Gastrointestinal Motility via Direct Effects on Smooth Muscle Cells. <i>Immunity</i> , 2018, 49, 107-119.e4.	14.3	63
40	Uncommon Filaggrin Variants Are Associated with Persistent Atopic Dermatitis in African Americans. <i>Journal of Investigative Dermatology</i> , 2018, 138, 1501-1506.	0.7	59
41	Blood natural killer cell deficiency reveals an immunotherapy strategy for atopic dermatitis. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	57
42	Transfer of Cell-Surface Antigens by Scavenger Receptor CD36 Promotes Thymic Regulatory T Cell Receptor Repertoire Development and Allo-tolerance. <i>Immunity</i> , 2018, 48, 923-936.e4.	14.3	54
43	New and emerging treatments for inflammatory itch. <i>Annals of Allergy, Asthma and Immunology</i> , 2021, 126, 13-20.	1.0	49
44	Practical approaches for diagnosis and management of prurigo nodularis: United States expert panel consensus. <i>Journal of the American Academy of Dermatology</i> , 2021, 84, 747-760.	1.2	47
45	Cytokine modulation of atopic itch. <i>Current Opinion in Immunology</i> , 2018, 54, 7-12.	5.5	44
46	IL-33 signaling in sensory neurons promotes dry skin itch. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 1473-1480.e6.	2.9	44
47	Pathophysiological relevance of deiodinase polymorphism. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2018, 25, 341-346.	2.3	40
48	The Neuroimmune Axis in Skin Sensation, Inflammation, and Immunity. <i>Journal of Immunology</i> , 2019, 202, 2829-2835.	0.8	39
49	Interleukin-17 Drives Interstitial Entrapment of Tissue Lipoproteins in Experimental Psoriasis. <i>Cell Metabolism</i> , 2019, 29, 475-487.e7.	16.2	38
50	CD164 and FCRL3 Are Highly Expressed on CD4 <sup>+</sup> CD26 <sup>hi</sup> T Cells in SÅ©zary Syndrome Patients. <i>Journal of Investigative Dermatology</i> , 2014, 134, 229-236.	0.7	37
51	Immune dysregulation underlies a subset of patients with chronic idiopathic pruritus. <i>Journal of the American Academy of Dermatology</i> , 2016, 74, 1017-1020.	1.2	37
52	Kallikrein 7 Promotes Atopic Dermatitis-Associated Itch Independently of ÅSkin Inflammation. <i>Journal of Investigative Dermatology</i> , 2020, 140, 1244-1252.e4.	0.7	36
53	Thymic stromal lymphopoietin induces adipose loss through sebum hypersecretion. <i>Science</i> , 2021, 373, .	12.6	36
54	Mechanosensitive TRPV4 is required for crystal-induced inflammation. <i>Annals of the Rheumatic Diseases</i> , 2021, 80, 1604-1614.	0.9	36

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55	Interactions of the immune and sensory nervous systems in atopy. <i>FEBS Journal</i> , 2018, 285, 3138-3151.	4.7	34
56	Sneezing reflex is mediated by a peptidergic pathway from nose to brainstem. <i>Cell</i> , 2021, 184, 3762-3773.e10.	28.9	33
57	Chronic pruritus of unknown origin (CPUO): Uniform nomenclature and diagnosis as a pathway to standardized understanding and treatment. <i>Journal of the American Academy of Dermatology</i> , 2019, 81, 1223-1224.	1.2	30
58	New insights into basophil heterogeneity. <i>Seminars in Immunopathology</i> , 2016, 38, 549-561.	6.1	28
59	The Return of the Mast Cell: New Roles in Neuroimmune Itch Biology. <i>Journal of Investigative Dermatology</i> , 2020, 140, 945-951.	0.7	27
60	Skin-derived TSLP systemically expands regulatory T cells. <i>Journal of Autoimmunity</i> , 2017, 79, 39-52.	6.5	26
61	The B antigen protects against the development of red meat allergy. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2018, 6, 1790-1791.e3.	3.8	25
62	Immunosensation: Neuroimmune Cross Talk in the Skin. <i>Annual Review of Immunology</i> , 2021, 39, 369-393.	21.8	25
63	CD164 identifies CD4+ T cells highly expressing genes associated with malignancy in SÅ©zary syndrome: the SÅ©zary signature genes, FCRL3, Tox, and miR-214. <i>Archives of Dermatological Research</i> , 2017, 309, 11-19.	1.9	21
64	TIGIT and Helios Are Highly Expressed on CD4+ T Cells in SÅ©zary Syndrome Patients. <i>Journal of Investigative Dermatology</i> , 2017, 137, 257-260.	0.7	20
65	IL-15 Serves as a Costimulator in Determining the Activity of Autoreactive CD8 T Cells in an Experimental Mouse Model of Graft-versus-Host-Like Disease. <i>Journal of Immunology</i> , 2008, 181, 1109-1119.	0.8	19
66	Treatment of Refractory Chronic Pruritus of Unknown Origin With Tofacitinib in Patients With Rheumatoid Arthritis. <i>JAMA Dermatology</i> , 2019, 155, 1426.	4.1	19
67	Immunomodulating Agents as Antipruritics. <i>Dermatologic Clinics</i> , 2018, 36, 325-334.	1.7	18
68	MicroRNA signature of central nervous systemâ€ infiltrating dendritic cells in an animal model of multiple sclerosis. <i>Immunology</i> , 2018, 155, 112-122.	4.4	18
69	Simultaneous improvement of alopecia universalis and atopic dermatitis in a patient treated with a JAK inhibitor. <i>JAAD Case Reports</i> , 2018, 4, 515-517.	0.8	18
70	The translational revolution of itch. <i>Neuron</i> , 2022, 110, 2209-2214.	8.1	17
71	Association of HLA-DRB1 genetic variants with the persistence of atopic dermatitis. <i>Human Immunology</i> , 2015, 76, 571-577.	2.4	15
72	Improved Irritative Voiding Symptoms 3 Years after Stereotactic Body Radiation Therapy for Prostate Cancer. <i>Frontiers in Oncology</i> , 2014, 4, 290.	2.8	13

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73	The antimicrobial peptide human beta-defensin 2 promotes itch through Toll-like receptor 4 signaling in mice. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 885-888.e6.	2.9	13
74	Association between fine mapping thymic stromal lymphopoietin and atopic dermatitis onset and persistence. <i>Annals of Allergy, Asthma and Immunology</i> , 2019, 123, 595-601.e1.	1.0	13
75	Research Techniques Made Simple: Itch Measurement in Clinical Trials. <i>Journal of Investigative Dermatology</i> , 2019, 139, 264-269.e1.	0.7	13
76	Miswiring of Merkel cell and pruriceptive C fiber drives the itch-scratch cycle. <i>Science Translational Medicine</i> , 2022, 14, .	12.4	13
77	Acute graft-versus-host disease following lung transplantation in a patient with a novel TERT mutation. <i>Thorax</i> , 2018, 73, 489-492.	5.6	12
78	Treatment of patients with chronic pruritus of unknown origin with dupilumab. <i>Journal of Dermatological Treatment</i> , 2022, 33, 1754-1757.	2.2	12
79	Urethrogram-Directed Stereotactic Body Radiation Therapy for Clinically Localized Prostate Cancer in Patients with Contraindications to Magnetic Resonance Imaging. <i>Frontiers in Oncology</i> , 2015, 5, 194.	2.8	11
80	Association of KIR Genes and MHC Class I Ligands with Atopic Dermatitis. <i>Journal of Immunology</i> , 2021, 207, 1522-1529.	0.8	10
81	Beyond somatosensation: Mrgprs in mucosal tissues. <i>Neuroscience Letters</i> , 2021, 748, 135689.	2.1	9
82	Rapid Improvement of Itch Associated With Atopic Dermatitis With Abrocitinib Is Partially Independent of Overall Disease Improvement. <i>Dermatitis</i> , 2021, Publish Ahead of Print, S39-S44.	1.6	9
83	Bidirectional sensory neuron-immune interactions: a new vision in the understanding of allergic inflammation. <i>Current Opinion in Immunology</i> , 2021, 72, 79-86.	5.5	9
84	Associating filaggrin copy number variation and atopic dermatitis in African-Americans: Challenges and opportunities. <i>Journal of Dermatological Science</i> , 2020, 98, 58-60.	1.9	8
85	HLA Class I Polymorphisms Influencing Both Peptide Binding and KIR Interactions Are Associated with Remission among Children with Atopic Dermatitis: A Longitudinal Study. <i>Journal of Immunology</i> , 2021, 206, 2038-2044.	0.8	8
86	Innate Immune Regulation of Dermatitis. <i>Immunology and Allergy Clinics of North America</i> , 2021, 41, 347-359.	1.9	8
87	Emerging targeted therapeutics underscore immunologic heterogeneity of asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 148, 719-721.	2.9	8
88	Evaluation of apremilast in chronic pruritus of unknown origin: A proof-of-concept, phase 2a, open-label, single-arm clinical trial. <i>Health Science Reports</i> , 2020, 3, e154.	1.5	7
89	Chronic Itch of Unknown Origin Is Associated With an Enhanced Th2 Skin Immune Profile. <i>American Journal of Dermatopathology</i> , 2021, 43, 773-775.	0.6	7
90	A precision medicine-based strategy for a severe adverse drug reaction. <i>Nature Medicine</i> , 2020, 26, 167-168.	30.7	6

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91	Structural insights into MRGPRX2: A new vision of itch and allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 1221-1222.	2.9	6
92	Generalized pruritus relieved by NSAIDs in the setting of mast cell activation syndrome. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2018, 6, 2130-2131.	3.8	5
93	PXR: A New Player in Atopic Dermatitis. <i>Journal of Investigative Dermatology</i> , 2018, 138, 8-10.	0.7	5
94	Generalized four-point characterization method using capacitive and ohmic contacts. <i>Review of Scientific Instruments</i> , 2012, 83, 024703.	1.3	3
95	Superficial Immunity: Antimicrobial Responses Are More Than Skin Deep. <i>Immunity</i> , 2016, 45, 6-8.	14.3	3
96	Sensory Neurons Drive Anticipatory Immunity. <i>Cell</i> , 2019, 178, 771-773.	28.9	3
97	Ethnic variations in scalp pruritus and hair loss. <i>Journal of the American Academy of Dermatology</i> , 2021, 84, 792-794.	1.2	3
98	Scratching Beyond the Surface of Itchy Wounds. <i>Immunity</i> , 2020, 53, 235-237.	14.3	1
99	The Sensation of Itch: From Biological Discovery to Medical Treatment. <i>Journal of Investigative Dermatology</i> , 2021, , .	0.7	1
100	Cutaneous mechanisms of itch signaling. <i>Itch (Philadelphia, Pa )</i> , 2021, 6, e50-e50.	0.2	0