

Joshua A Boyce

List of Publications by Year in descending order

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67
papers

8,084
citations

109321

35
h-index

114465

63
g-index

67
all docs

67
docs citations

67
times ranked

11925
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 Receptor ACE2 Is an Interferon-Stimulated Gene in Human Airway Epithelial Cells and Is Detected in Specific Cell Subsets across Tissues. <i>Cell</i> , 2020, 181, 1016-1035.e19.	28.9	1,956
2	Guidelines for the Diagnosis and Management of Food Allergy in the United States: Summary of the NIAID-Sponsored Expert Panel Report. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 126, 1105-1118.	2.9	1,614
3	Addendum guidelines for the prevention of peanut allergy in the United States: Report of the National Institute of Allergy and Infectious Diseases-sponsored expert panel. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 29-44.	2.9	374
4	Allergic inflammatory memory in human respiratory epithelial progenitor cells. <i>Nature</i> , 2018, 560, 649-654.	27.8	368
5	T Helper Cell Type 2 Cytokine-Mediated Comitogenic Responses and Ccr3 Expression during Differentiation of Human Mast Cells in Vitro. <i>Journal of Experimental Medicine</i> , 1999, 190, 267-280.	8.5	323
6	Mast cells and eicosanoid mediators: a system of reciprocal paracrine and autocrine regulation. <i>Immunological Reviews</i> , 2007, 217, 168-185.	6.0	218
7	Cysteinyl leukotriene overproduction in aspirin-exacerbated respiratory disease is driven by platelet-adherent leukocytes. <i>Blood</i> , 2012, 119, 3790-3798.	1.4	213
8	Prostaglandin D2: A dominant mediator of aspirin-exacerbated respiratory disease. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 135, 245-252.	2.9	191
9	Successful treatment of cold-induced urticaria/anaphylaxis with anti-IgE. <i>Journal of Allergy and Clinical Immunology</i> , 2006, 117, 1415-1418.	2.9	186
10	KIT Inhibition by Imatinib in Patients with Severe Refractory Asthma. <i>New England Journal of Medicine</i> , 2017, 376, 1911-1920.	27.0	159
11	Thymic stromal lymphopoietin controls prostaglandin D2 generation in patients with aspirin-exacerbated respiratory disease. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 1566-1576.e5.	2.9	142
12	Mast cells: Beyond IgE. <i>Journal of Allergy and Clinical Immunology</i> , 2003, 111, 24-32.	2.9	141
13	Alpha-4 integrins and VCAM-1, but not MAdCAM-1, are essential for recruitment of mast cell progenitors to the inflamed lung. <i>Blood</i> , 2006, 108, 1588-1594.	1.4	139
14	Guidelines for the Diagnosis and Management of Food Allergy in the United States: Summary of the NIAID-Sponsored Expert Panel Report. <i>Nutrition Research</i> , 2011, 31, 61-75.	2.9	138
15	Cysteinyl Leukotrienes and Their Receptors; Emerging Concepts. <i>Allergy, Asthma and Immunology Research</i> , 2014, 6, 288.	2.9	105
16	Aspirin-Exacerbated Respiratory Disease Involves a Cysteinyl Leukotriene-Driven IL-33-Mediated Mast Cell Activation Pathway. <i>Journal of Immunology</i> , 2015, 195, 3537-3545.	0.8	103
17	Leukotriene E ₄ elicits respiratory epithelial cell mucin release through the G-protein-coupled receptor, GPR99. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6242-6247.	7.1	99
18	The leukotriene E4 puzzle: Finding the missing pieces and revealing the pathobiologic implications. <i>Journal of Allergy and Clinical Immunology</i> , 2009, 124, 406-414.	2.9	93

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19	No audible wheezing. <i>Journal of Experimental Medicine</i> , 2005, 201, 1869-1873.	8.5	85
20	Human airway mast cells proliferate and acquire distinct inflammation-driven phenotypes during type 2 inflammation. <i>Science Immunology</i> , 2021, 6, .	11.9	79
21	Guidelines for the diagnosis and management of food allergy in the United States: Summary of the NIAID-Sponsored Expert Panel Report. <i>Nutrition</i> , 2011, 27, 253-267.	2.4	77
22	Guidelines for the Diagnosis and Management of Food Allergy in the United States: Summary of the NIAID-Sponsored Expert Panel Report. <i>Journal of the American Academy of Dermatology</i> , 2011, 64, 175-192.	1.2	67
23	Characterization of a novel human mast cell line that responds to stem cell factor and expresses functional Fc μ R1. <i>Journal of Allergy and Clinical Immunology</i> , 2011, 127, 815-822.e5.	2.9	59
24	Addendum guidelines for the prevention of peanut allergy in the United States: Report of the National Institute of Allergy and Infectious Diseasesâ€™sponsored expert panel. <i>Annals of Allergy, Asthma and Immunology</i> , 2017, 118, 166-173.e7.	1.0	59
25	The role of mast cells in asthma. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2003, 69, 195-205.	2.2	56
26	Eicosanoid Mediators of Mast Cells: Receptors, Regulation of Synthesis, and Pathobiologic Implications. , 2005, 87, 59-79.		55
27	IL-5R β marks nasal polyp IgG4- and IgE-expressing cells in aspirin-exacerbated respiratory disease. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, 1574-1584.	2.9	55
28	Type 2 Cysteinyl Leukotriene Receptors Drive IL-33â€œDependent Type 2 Immunopathology and Aspirin Sensitivity. <i>Journal of Immunology</i> , 2018, 200, 915-927.	0.8	51
29	Human mast cell progenitors use β 4-integrin, VCAM-1, and PSGL-1 E-selectin for adhesive interactions with human vascular endothelium under flow conditions. <i>Blood</i> , 2002, 99, 2890-2896.	1.4	50
30	Tuft cellâ€œproduced cysteinyl leukotrienes and IL-25 synergistically initiate lung type 2 inflammation. <i>Science Immunology</i> , 2021, 6, eabj0474.	11.9	48
31	The Transcription Factor Early Growth-response Factor 1 Modulates Tumor Necrosis Factor- β , Immunoglobulin E, and Airway Responsiveness in Mice. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001, 163, 778-785.	5.6	46
32	Platelets in patients with aspirin-exacerbated respiratory disease. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 135, 1407-1414.	2.9	46
33	Guidelines for the Diagnosis and Management of Food Allergy in the United States: Summary of the NIAID-Sponsored Expert Panel Report. <i>Journal of the American Dietetic Association</i> , 2011, 111, 17-27.	1.1	44
34	Prostaglandin E2 resistance in granulocytes from patients with aspirin-exacerbated respiratory disease. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 1692-1701.e3.	2.9	44
35	Aspirin-exacerbated respiratory disease: Mediators and mechanisms of a clinical disease. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 764-766.	2.9	42
36	Lineage-specific regulation of inducible and constitutive mast cells in allergic airway inflammation. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	42

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37	Leukotriene D ₄ and prostaglandin E ₂ signals synergize and potentiate vascular inflammation in a mast cell-dependent manner through cysteinyl leukotriene receptor 1 and E-prostanoid receptor 3. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 289-298.	2.9	41
38	Advances in mechanisms of asthma, allergy, and immunology in 2011. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 129, 335-341.	2.9	40
39	Cutting Edge: Leukotriene C ₄ Activates Mouse Platelets in Plasma Exclusively through the Type 2 Cysteinyl Leukotriene Receptor. <i>Journal of Immunology</i> , 2013, 191, 5807-5810.	0.8	36
40	Endogenous prostaglandin E ₂ amplifies IL-33 production by macrophages through an E prostanoid (EP) ₂ /EP ₄ -cAMP-EPAC-dependent pathway. <i>Journal of Biological Chemistry</i> , 2017, 292, 8195-8206.	3.4	36
41	Role of lipid mediators and control of lymphocyte responses in type 2 immunopathology. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 1182-1190.	2.9	36
42	Advances in mechanisms of asthma, allergy, and immunology in 2008. <i>Journal of Allergy and Clinical Immunology</i> , 2009, 123, 569-574.	2.9	34
43	A trial of type 12 purinergic (P ₂ Y ₁₂) receptor inhibition with prasugrel identifies a potentially distinct endotype of patients with aspirin-exacerbated respiratory disease. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 316-324.e7.	2.9	34
44	Aspirin sensitivity: Lessons in the regulation (and dysregulation) of mast cell function. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 144, 875-881.	2.9	23
45	Plasma tryptase elevation during aspirin-induced reactions in aspirin-exacerbated respiratory disease. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 799-803.e2.	2.9	22
46	The biology of the mast cell. <i>Allergy and Asthma Proceedings</i> , 2004, 25, 27-30.	2.2	22
47	Addendum Guidelines for the Prevention of Peanut Allergy in the United States: Report of the National Institute of Allergy and Infectious Diseases-sponsored Expert Panel. <i>Pediatric Dermatology</i> , 2017, 34, e1-e21.	0.9	20
48	Cysteinyl leukotriene receptor 2 drives lung immunopathology through a platelet and high mobility box 1-dependent mechanism. <i>Mucosal Immunology</i> , 2019, 12, 679-690.	6.0	20
49	Platelet-Driven Leukotriene C ₄ -Mediated Airway Inflammation in Mice Is Aspirin-Sensitive and Depends on T Prostanoid Receptors. <i>Journal of Immunology</i> , 2015, 194, 5061-5068.	0.8	19
50	Addendum guidelines for the prevention of peanut allergy in the United States. <i>Pediatric Dermatology</i> , 2017, 34, 5-12.	0.9	17
51	COX-1 mediates IL-33-induced extracellular signal-regulated kinase activation in mast cells: Implications for aspirin sensitivity. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 1047-1057.e8.	2.9	17
52	P ₂ Y ₆ signaling in alveolar macrophages prevents leukotriene-dependent type 2 allergic lung inflammation. <i>Journal of Clinical Investigation</i> , 2019, 129, 5169-5186.	8.2	16
53	Addendum Guidelines for the Prevention of Peanut Allergy in the United States: Report of the National Institute of Allergy and Infectious Diseases-sponsored Expert Panel. <i>Journal of Pediatric Nursing</i> , 2017, 32, 91-98.	1.5	14
54	A new spin on mast cells and cysteinyl leukotrienes: Leukotriene E ₄ activates mast cells in vivo. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 1056-1057.	2.9	13

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55	Eicosanoid dysregulation and type 2 inflammation in AERD. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 148, 1157-1160.	2.9	13
56	Phenotypic and functional characteristics of macrophage-like cells differentiated in pro-inflammatory cytokine-containing cultures. <i>Immunology and Cell Biology</i> , 2000, 78, 205-213.	2.3	9
57	Advances in mast cell biology. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 1919-1925.	2.9	8
58	Leukotriene D4 paradoxically limits LTC4-driven platelet activation and lung immunopathology. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 148, 195-208.e5.	2.9	7
59	Neonatal mast cells and transplacental IgE transfer: A mechanism of disease inheritance or of passive infant barrier defense?. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 148, 76-77.	2.9	5
60	Mast cells can be commandeered for staphylococcal pathogenicity in patients with chronic rhinosinusitis with nasal polyposis. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, 103-104.	2.9	4
61	Mediator production and severity of aspirin-induced respiratory reactions: Impact of sampling site and body mass index. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 150, 170-177.e6.	2.9	4
62	LTC4 synthase polymorphism modifies efficacy of botanical seed oil combination in asthma. SpringerPlus, 2014, 3, 661.	1.2	3
63	Asthma 2005-2006: Bench to bedside. <i>Journal of Allergy and Clinical Immunology</i> , 2006, 118, 582-586.	2.9	2
64	Lymphoplasmacytic Cells and Mast Cells Are Targets for Imatinib Mesylate (Gleevec, Glivec) in Waldenström's Macroglobulinemia. <i>Blood</i> , 2004, 104, 4929-4929.	1.4	2
65	Mast Cells as Sentinels of Inflammation. , 0, , 65-73.		0
66	Legends of allergy and immunology: K. Frank Austen. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 1001-1002.	5.7	0
67	Reply. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 148, 904.	2.9	0