Jane H Buckner

List of Publications by Year
in descending order

86 papers	8,090 citations	66343 42 h-index	54911 84 g-index
90 all docs	90 docs citations	90 times ranked	10874 citing authors

#	Article	IF	Citations
1	Induction of FoxP3 and acquisition of T regulatory activity by stimulated human CD4+CD25â€“ T cells. Journal of Clinical Investigation, 2003, 112, 1437-1443.	8.2	1,056
2	Type 1 diabetes immunotherapy using polyclonal regulatory T cells. Science Translational Medicine, 2015, 7, 315ra189.	12.4	767
3	Complement receptor 2/CD21â˜ human naive B cells contain mostly autoreactive unresponsive clones. Blood, 2010, 115, 5026-5036.	1.4	399
4	Genetic Variation in PTPN22 Corresponds to Altered Function of T and B Lymphocytes. Journal of Immunology, 2007, 179, 4704-4710.	0.8	295
5	De novogeneration of antigen-specific CD4⁺CD25⁺regulatory T cells from human CD4⁺CD25^{â€“}cells. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 4103-4108.	7.1	266
6	The Effector T Cells of Diabetic Subjects Are Resistant to Regulation via CD4+FOXP3+ Regulatory T Cells. Journal of Immunology, 2008, 181, 7350-7355.	0.8	265
7	The PTPN22 allele encoding an R620W variant interferes with the removal of developing autoreactive B cells in humans. Journal of Clinical Investigation, 2011, 121, 3635-3644.	8.2	259
8	CD4+FOXP3+ T Regulatory Cells in Human Autoimmunity: More Than a Numbers Game. Journal of Immunology, 2011, 187, 2061-2066.	0.8	250
9	Defects in IL-2R Signaling Contribute to Diminished Maintenance of FOXP3 Expression in CD4+CD25+ Regulatory T-Cells of Type 1 Diabetic Subjects. Diabetes, 2010, 59, 407-415.	0.6	242
10	Synovial fibroblast-neutrophil interactions promote pathogenic adaptive immunity in rheumatoid arthritis. Science Immunology, 2017, 2, .	11.9	228
11	Rheumatoid arthritis and the mucosal origins hypothesis: protection turns toÂdestruction. Nature Reviews Rheumatology, 2018, 14, 542-557.	8.0	219
12	B cell IFN-Î³ receptor signaling promotes autoimmune germinal centers via cell-intrinsic induction of BCL-6. Journal of Experimental Medicine, 2016, 213, 733-750.	8.5	182
13	Citrullineâ€Specific Th1 Cells Are Increased in Rheumatoid Arthritis and Their Frequency Is Influenced by Disease Duration and Therapy. Arthritis and Rheumatology, 2014, 66, 1712-1722.	5.6	168
14	B cellâ€“derived IL-6 initiates spontaneous germinal center formation during systemic autoimmunity. Journal of Experimental Medicine, 2017, 214, 3207-3217.	8.5	168
15	A disease-associated PTPN22 variant promotes systemic autoimmunity in murine models. Journal of Clinical Investigation, 2013, 123, 2024-2036.	8.2	162
16	FOXP3 and the regulation of Treg/Th17 differentiation. Microbes and Infection, 2009, 11, 594-598.	1.9	143
17	Fine-mapping, trans-ancestral and genomic analyses identify causal variants, cells, genes and drug targets for type 1 diabetes. Nature Genetics, 2021, 53, 962-971.	21.4	133
18	Intact extracellular matrix and the maintenance of immune tolerance: high molecular weight hyaluronan promotes persistence of induced CD4+CD25+ regulatory T cells. Journal of Leukocyte Biology, 2009, 86, 567-572.	3.3	131

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19	A prospective approach to investigating the natural history of preclinical rheumatoid arthritis (RA) using firstâ€degree relatives of probands with RA. Arthritis and Rheumatism, 2009, 61, 1735-1742.	6.7	129
20	Identification and functional characterization of T cells reactive to citrullinated vimentin in HLA-DRB1*0401-positive humanized mice and rheumatoid arthritis patients. Arthritis and Rheumatism, 2011, 63, 2873-2883.	6.7	128
21	The A946T variant of the RNA sensor IFIH1 mediates an interferon program that limits viral infection but increases the risk for autoimmunity. Nature Immunology, 2017, 18, 744-752.	14.5	119
22	Multiple cytokines and chemokines are associated with rheumatoid arthritis-related autoimmunity in first-degree relatives without rheumatoid arthritis: Studies of the Aetiology of Rheumatoid Arthritis (SERA). Annals of the Rheumatic Diseases, 2013, 72, 901-907.	0.9	115
23	Altered B Cell Homeostasis Is Associated with Type I Diabetes and Carriers of the PTPN22 Allelic Variant. Journal of Immunology, 2012, 188, 487-496.	0.8	114
24	Neutrophil extracellular traps mediate articular cartilage damage and enhance cartilage component immunogenicity in rheumatoid arthritis. JCI Insight, 2020, 5, .	5.0	97
25	Multiple Autoimmune-Associated Variants Confer Decreased IL-2R Signaling in CD4+CD25hi T Cells of Type 1 Diabetic and Multiple Sclerosis Patients. PLoS ONE, 2013, 8, e83811.	2.5	91
26	HLAâ€“DR1001 presents â€œalteredâ€•selfâ€•peptides derived from jointâ€•associated proteins by accepting citrulline in three of its binding pockets. Arthritis and Rheumatism, 2010, 62, 2909-2918.	6.7	86
27	Identification of type II collagen peptide 261-273-specific T cell clones in a patient with relapsing polychondritis. Arthritis and Rheumatism, 2002, 46, 238-244.	6.7	84
28	Enhanced T cell responses to IL-6 in type 1 diabetes are associated with early clinical disease and increased IL-6 receptor expression. Science Translational Medicine, 2016, 8, 356ra119.	12.4	82
29	Immunotherapy: Building a bridge to a cure for type 1 diabetes. Science, 2021, 373, 510-516.	12.6	81
30	Functional and Structural Characterization of a Novel HLA-DRB1*04:01-Restricted Î±-Enolase T Cell Epitope in Rheumatoid Arthritis. Frontiers in Immunology, 2016, 7, 494.	4.8	73
31	IL-6: a cytokine at the crossroads of autoimmunity. Current Opinion in Immunology, 2018, 55, 9-14.	5.5	73
32	Gene editing to induce FOXP3 expression in human CD4 ⁺ T cells leads to a stable regulatory phenotype and function. Science Translational Medicine, 2020, 12, .	12.4	73
33	The Relapsing Polychondritis Disease Activity Index: Development of a disease activity score for relapsing polychondritis. Autoimmunity Reviews, 2012, 12, 204-209.	5.8	71
34	The Role of PTPN22 Risk Variant in the Development of Autoimmunity: Finding Common Ground between Mouse and Human. Journal of Immunology, 2015, 194, 2977-2984.	0.8	66
35	Performance of Antiâ€“Cyclic Citrullinated Peptide Assays Differs in Subjects at Increased Risk of Rheumatoid Arthritis and Subjects With Established Disease. Arthritis and Rheumatism, 2013, 65, 2243-2252.	6.7	64
36	Combination of rapamycin and IL-2 increases de novo induction of human CD4+CD25+FOXP3+ T cells. Journal of Autoimmunity, 2008, 30, 293-302.	6.5	63

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37	Understanding and preventing type 1 diabetes through the unique working model of TrialNet. Diabetologia, 2017, 60, 2139-2147.	6.3	59
38	Efficient ex vivo analysis of CD4+ T-cell responses using combinatorial HLA class II tetramer staining. Nature Communications, 2016, 7, 12614.	12.8	58
39	The dynamic epigenetic regulation of the inactive X chromosome in healthy human B cells is dysregulated in lupus patients. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	54
40	Citrullinated Aggrecan Epitopes as Targets of Autoreactive <scp>CD</scp>4+ T Cells in Patients With Rheumatoid Arthritis. Arthritis and Rheumatology, 2019, 71, 518-528.	5.6	47
41	Associations of Smoking and Age With Inflammatory Joint Signs Among Unaffected Firstâ€Degree Relatives of Rheumatoid Arthritis Patients: Results From Studies of the Etiology of Rheumatoid Arthritis. Arthritis and Rheumatology, 2016, 68, 1828-1838.	5.6	46
42	Abatacept Targets T Follicular Helper and Regulatory T Cells, Disrupting Molecular Pathways That Regulate Their Proliferation and Maintenance. Journal of Immunology, 2019, 202, 1373-1382.	0.8	46
43	Functional isletâ€specific Treg can be generated from CD4⁺CD25^{â^'} T cells of healthy and type 1 diabetic subjects. European Journal of Immunology, 2009, 39, 612-620.	2.9	44
44	Relatives Without Rheumatoid Arthritis Show Reactivity to Antiâ€“Citrullinated Protein/Peptide Antibodies That Are Associated With Arthritisâ€Related Traits: Studies of the Etiology of Rheumatoid Arthritis. Arthritis and Rheumatism, 2013, 65, 1995-2004.	6.7	44
45	Functional Analysis of FOXP3. Annals of the New York Academy of Sciences, 2008, 1143, 151-169.	3.8	43
46	Memory T cells specific to citrullinated Î±-enolase are enriched in the rheumatic joint. Journal of Autoimmunity, 2018, 92, 47-56.	6.5	43
47	The BANK1 SLE-risk variants are associated with alterations in peripheral B cell signaling and development in humans. Clinical Immunology, 2016, 173, 171-180.	3.2	41
48	HLA autoimmune risk alleles restrict the hypervariable region of T cell receptors. Nature Genetics, 2022, 54, 393-402.	21.4	40
49	Impact of Age and Antibody Type on Progression From Single to Multiple Autoantibodies in Type 1 Diabetes Relatives. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 2881-2886.	3.6	35
50	Low-Dose Antigen Promotes Induction of FOXP3 in Human CD4+ T Cells. Journal of Immunology, 2011, 187, 3511-3520.	0.8	34
51	The COVID-19 immune landscape is dynamically and reversibly correlated with disease severity. Journal of Clinical Investigation, 2021, 131, .	8.2	32
52	The TYK2-P1104A Autoimmune Protective Variant Limits Coordinate Signals Required to Generate Specialized T Cell Subsets. Frontiers in Immunology, 2019, 10, 44.	4.8	30
53	The Autoimmune Risk Variant PTPN22 C1858T Alters B Cell Tolerance at Discrete Checkpoints and Differentially Shapes the Naive Repertoire. Journal of Immunology, 2017, 199, 2249-2260.	0.8	29
54	Strength in Numbers: Opportunities for Enhancing the Development of Effective Treatments for Type 1 Diabetesâ€"The TrialNet Experience. Diabetes, 2018, 67, 1216-1225.	0.6	29

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55	IL-6 receptor blockade does not slow Î² cell loss in new-onset type 1 diabetes. JCI Insight, 2021, 6, .	5.0	25
56	Autoantibodies against Neurologic Antigens in Nonneurologic Autoimmunity. Journal of Immunology, 2019, 202, 2210-2219.	0.8	22
57	Multimodal analysis for human exÂvivo studies shows extensive molecular changes from delays in blood processing. IScience, 2021, 24, 102404.	4.1	22
58	Dynamic Immune Phenotypes of B and T Helper Cells Mark Distinct Stages of T1D Progression. Diabetes, 2019, 68, 1240-1250.	0.6	21
59	Factors associated with progression to inflammatory arthritis in first-degree relatives of individuals with RA following autoantibody positive screening in a non-clinical setting. Annals of the Rheumatic Diseases, 2021, 80, 154-161.	0.9	21
60	T Cell Selection and Differential Activation on Structurally Related HLA-DR4 Ligands. Journal of Immunology, 2001, 167, 3250-3256.	0.8	20
61	Multiparameter Analysis Identifies Heterogeneity in Knee Osteoarthritis Synovial Responses. Arthritis and Rheumatology, 2020, 72, 598-608.	5.6	20
62	Deep immune phenotyping reveals similarities between aging, Down syndrome, and autoimmunity. Science Translational Medicine, 2022, 14, eabi4888.	12.4	20
63	Distinct T cell signatures define subsets of patients with multiple sclerosis. Neurology: Neuroimmunology and NeuroInflammation, 2016, 3, e278.	6.0	19
64	Obstacles and opportunities for targeting the effector T cell response in type 1 diabetes. Journal of Autoimmunity, 2016, 71, 44-50.	6.5	18
65	Genetic Mechanisms Highlight Shared Pathways for the Pathogenesis of Polygenic Type 1 Diabetes and Monogenic Autoimmune Diabetes. Current Diabetes Reports, 2019, 19, 20.	4.2	18
66	Shared recognition of citrullinated tenascin-C peptides by T and B cells in rheumatoid arthritis. JCI Insight, 2021, 6, .	5.0	18
67	Fewer LAG-3+ T Cells in Relapsing-Remitting Multiple Sclerosis and Type 1 Diabetes. Journal of Immunology, 2022, 208, 594-602.	0.8	18
68	A novel and rapid method to quantify Treg mediated suppression of CD4 T cells. Journal of Immunological Methods, 2017, 449, 15-22.	1.4	17
69	Assessment of Suppressive Capacity by Human Regulatory T Cells Using a Reproducible, Bi-Directional CFSE-Based In Vitro Assay. Methods in Molecular Biology, 2011, 707, 233-241.	0.9	16
70	Recognition of altered self major histocompatibility complex molecules modulated by specific peptide interactions. European Journal of Immunology, 1996, 26, 949-952.	2.9	15
71	Anticyclic Citrullinated Peptide Antibodies 3.1 and Anti-CCP-IgA Are Associated with Increasing Age in Individuals Without Rheumatoid Arthritis. Journal of Rheumatology, 2019, 46, 1556-1559.	2.0	12
72	Cutting Edge: Genetic Variation in TLR1 Is Associated with Pam3CSK4-Induced Effector T Cell Resistance to Regulatory T Cell Suppression. Journal of Immunology, 2014, 193, 5786-5790.	0.8	9

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73	Attenuated IL-2R signaling in CD4 memory T cells of T1D subjects is intrinsic and dependent on activation state. Clinical Immunology, 2017, 181, 67-74.	3.2	9
74	Mechanismâ€driven strategies for prevention of rheumatoid arthritis. Rheumatology & Autoimmunity, 2022, 2, 109-119.	0.8	9
75	Influence of FOXP3 on CD4+CD25+regulatory T cells. Expert Review of Clinical Immunology, 2006, 2, 639-647.	3.0	8
76	Cutting Edge: Effect of Disease-Modifying Therapies on SARS-CoV-2 Vaccineâ€“Induced Immune Responses in Multiple Sclerosis Patients. Journal of Immunology, 2022, 208, 1519-1524.	0.8	7
77	Response to comment on â€œSynovial fibroblast-neutrophil interactions promote pathogenic adaptive immunity in rheumatoid arthritisâ€. Science Immunology, 2018, 3, .	11.9	5
78	The Autoimmune Risk R262W Variant of the Adaptor SH2B3 Improves Survival in Sepsis. Journal of Immunology, 2021, 207, 2710-2719.	0.8	5
79	Th17 cells: from gut homeostasis to CNS pathogenesis. Trends in Immunology, 2022, 43, 167-169.	6.8	4
80	Stacking the Deck: Studies of Patients with Multiple Autoimmune Diseases Propelled Our Understanding of Type 1 Diabetes as an Autoimmune Disease. Journal of Immunology, 2017, 199, 3011-3013.	0.8	3
81	Evaluating associations of joint swelling, joint stiffness and joint pain with physical activity in first-degree relatives of patients with rheumatoid arthritis: Studies of the Aetiology of Rheumatoid Arthritis (SERA), a prospective cohort study. BMJ Open, 2021, 11, e050883.	1.9	2
82	Sudden Cardiac Death due to Coronary Artery Vasculitis in a Patient with Relapsing Polychondritis. Case Reports in Rheumatology, 2020, 2020, 1-6.	0.6	2
83	Crosstalk between CD4 T cells and synovial fibroblasts from human arthritic joints promotes hyaluronan-dependent leukocyte adhesion and inflammatory cytokine expression in vitro. Matrix Biology Plus, 2022, 14, 100110.	3.5	2
84	Early Prognostic Indicators of Subsequent Hospitalization in Patients with Mild COVID-19. Journal of Clinical Medicine, 2021, 10, 1562.	2.4	1
85	A simple strategy for sample annotation error detection in cytometry datasets. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2022, 101, 351-360.	1.5	1
86	IL-6-Driven pSTAT1 Response Is Linked to T Cell Features Implicated in Early Immune Dysregulation. Frontiers in Immunology, 0, 13, .	4.8	0