

Betsy J Barnes

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

6,030
citations

159358

30
h-index

182168

51
g-index

54
all docs

54
docs citations

54
times ranked

9414
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting potential drivers of COVID-19: Neutrophil extracellular traps. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	1,193
2	Neutrophil extracellular traps in COVID-19. <i>JCI Insight</i> , 2020, 5, .	2.3	988
3	Virus-specific Activation of a Novel Interferon Regulatory Factor, IRF-5, Results in the Induction of Distinct Interferon α Genes. <i>Journal of Biological Chemistry</i> , 2001, 276, 23382-23390.	1.6	343
4	The Interferon Regulatory Factor, IRF5, Is a Central Mediator of Toll-like Receptor 7 Signaling. <i>Journal of Biological Chemistry</i> , 2005, 280, 17005-17012.	1.6	340
5	Comparative analysis of IRF and IFN- α expression in human plasmacytoid and monocyte-derived dendritic cells. <i>Journal of Leukocyte Biology</i> , 2003, 74, 1125-1138.	1.5	296
6	Review: On the Role of IRF in Host Defense. <i>Journal of Interferon and Cytokine Research</i> , 2002, 22, 59-71.	0.5	293
7	Multiple Regulatory Domains of IRF-5 Control Activation, Cellular Localization, and Induction of Chemokines That Mediate Recruitment of T Lymphocytes. <i>Molecular and Cellular Biology</i> , 2002, 22, 5721-5740.	1.1	224
8	Global and Distinct Targets of IRF-5 and IRF-7 during Innate Response to Viral Infection. <i>Journal of Biological Chemistry</i> , 2004, 279, 45194-45207.	1.6	195
9	Comprehensive evaluation of the genetic variants of interferon regulatory factor 5 (IRF5) reveals a novel 5 bp length polymorphism as strong risk factor for systemic lupus erythematosus. <i>Human Molecular Genetics</i> , 2008, 17, 872-881.	1.4	173
10	Two Discrete Promoters Regulate the Alternatively Spliced Human Interferon Regulatory Factor-5 Isoforms. <i>Journal of Biological Chemistry</i> , 2005, 280, 21078-21090.	1.6	136
11	Interferon regulatory factor 5, a novel mediator of cell cycle arrest and cell death. <i>Cancer Research</i> , 2003, 63, 6424-31.	0.4	125
12	Neutrophil phenotypes and functions in cancer: A consensus statement. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	119
13	Signaling through IFN Regulatory Factor-5 Sensitizes p53-Deficient Tumors to DNA Damage-Induced Apoptosis and Cell Death. <i>Cancer Research</i> , 2005, 65, 7403-7412.	0.4	111
14	Virus-induced Heterodimer Formation between IRF-5 and IRF-7 Modulates Assembly of the IFN α Enhanceosome in Vivo and Transcriptional Activity of IFN α Genes. <i>Journal of Biological Chemistry</i> , 2003, 278, 16630-16641.	1.6	103
15	Genetic variants and disease-associated factors contribute to enhanced interferon regulatory factor 5 expression in blood cells of patients with systemic lupus erythematosus. <i>Arthritis and Rheumatism</i> , 2010, 62, 562-573.	6.7	100
16	Chronic TLR7 and TLR9 signaling drives anemia via differentiation of specialized hemophagocytes. <i>Science</i> , 2019, 363, .	6.0	82
17	Differential Requirement of Histone Acetylase and Deacetylase Activities for IRF5-Mediated Proinflammatory Cytokine Expression. <i>Journal of Immunology</i> , 2010, 185, 6003-6012.	0.4	72
18	IRF-5 Is a Mediator of the Death Receptor-induced Apoptotic Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2009, 284, 2767-2777.	1.6	71

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19	HMGB1-C1q complexes regulate macrophage function by switching between leukotriene and specialized proresolving mediator biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23254-23263.	3.3	64
20	Nebulized in-line endotracheal dornase alfa and albuterol administered to mechanically ventilated COVID-19 patients: a case series. <i>Molecular Medicine</i> , 2020, 26, 91.	1.9	62
21	Interferon regulatory factor 5 activation in monocytes of systemic lupus erythematosus patients is triggered by circulating autoantigens independent of type I interferons. <i>Arthritis and Rheumatism</i> , 2012, 64, 788-798.	6.7	61
22	Role of Tertiary Lymphoid Structures (TLS) in Anti-Tumor Immunity: Potential Tumor-Induced Cytokines/Chemokines that Regulate TLS Formation in Epithelial-Derived Cancers. <i>Cancers</i> , 2014, 6, 969-997.	1.7	60
23	IRF5-deficient mice are protected from pristane-induced lupus via increased Th2 cytokines and altered Th1/Th17 class switching. <i>European Journal of Immunology</i> , 2012, 42, 1477-1487.	1.6	58
24	Loss of interferon regulatory factor 5 (IRF5) expression in human ductal carcinoma correlates with disease stage and contributes to metastasis. <i>Breast Cancer Research</i> , 2011, 13, R111.	2.2	56
25	TRIM21 Differentially Regulates the Stability of Interferon Regulatory Factor 5 (IRF5) Isoforms. <i>PLoS ONE</i> , 2014, 9, e103609.	1.1	53
26	Monocytes from IRF5-deficient Mice Have an Intrinsic Defect in Their Response to Pristane-Induced Lupus. <i>Journal of Immunology</i> , 2012, 189, 3741-3750.	0.4	49
27	B Cell-Intrinsic Role for IRF5 in TLR9/BCR-Induced Human B Cell Activation, Proliferation, and Plasmablast Differentiation. <i>Frontiers in Immunology</i> , 2017, 8, 1938.	2.2	48
28	Inhibition of IRF5 hyperactivation protects from lupus onset and severity. <i>Journal of Clinical Investigation</i> , 2020, 130, 6700-6717.	3.9	48
29	RNA-Seq for Enrichment and Analysis of IRF5 Transcript Expression in SLE. <i>PLoS ONE</i> , 2013, 8, e54487.	1.1	42
30	Therapeutic Targeting of IRFs: Pathway-Dependence or Structure-Based?. <i>Frontiers in Immunology</i> , 2018, 9, 2622.	2.2	35
31	Interferon regulatory factor 5 (IRF5) suppresses hepatitis C virus (HCV) replication and HCV-associated hepatocellular carcinoma. <i>Journal of Biological Chemistry</i> , 2017, 292, 21676-21689.	1.6	34
32	IRF5 is a novel regulator of CXCL13 expression in breast cancer that regulates CXCR5 ⁺ cell trafficking to tumor-conditioned media. <i>Immunology and Cell Biology</i> , 2015, 93, 486-499.	1.0	33
33	Insulin-like growth factor receptor signaling in breast tumor epithelium protects cells from endoplasmic reticulum stress and regulates the tumor microenvironment. <i>Breast Cancer Research</i> , 2018, 20, 138.	2.2	32
34	Interferon regulatory factor signaling in autoimmune disease. <i>Cytokine</i> , 2017, 98, 15-26.	1.4	27
35	IRF5 genetic risk variants drive myeloid-specific IRF5 hyperactivation and presymptomatic SLE. <i>JCI Insight</i> , 2020, 5, .	2.3	27
36	T Cell-Intrinsic IRF5 Regulates T Cell Signaling, Migration, and Differentiation and Promotes Intestinal Inflammation. <i>Cell Reports</i> , 2020, 31, 107820.	2.9	25

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37	HMGB1-mediated restriction of EPO signaling contributes to anemia of inflammation. <i>Blood</i> , 2022, 139, 3181-3193.	0.6	23
38	Bioinformatics Analysis of the Factors Controlling Type I IFN Gene Expression in Autoimmune Disease and Virus-Induced Immunity. <i>Frontiers in Immunology</i> , 2013, 4, 291.	2.2	19
39	Coordination between innate immune cells, type I IFNs and IRF5 drives SLE pathogenesis. <i>Cytokine</i> , 2020, 132, 154731.	1.4	19
40	Inhibition of IRF5 cellular activity with cell-penetrating peptides that target homodimerization. <i>Science Advances</i> , 2020, 6, eaay1057.	4.7	18
41	Specific detection of interferon regulatory factor 5 (IRF5): A case of antibody inequality. <i>Scientific Reports</i> , 2016, 6, 31002.	1.6	13
42	Genetic Versus Non-genetic Drivers of SLE: Implications of IRF5 Dysregulation in Both Roads Leading to SLE. <i>Current Rheumatology Reports</i> , 2019, 21, 2.	2.1	13
43	B cell transcription factors: Potential new therapeutic targets for SLE. <i>Clinical Immunology</i> , 2014, 152, 140-151.	1.4	12
44	CD4 T Follicular Helper Cells Prevent Depletion of Follicular B Cells in Response to Cecal Ligation and Puncture. <i>Frontiers in Immunology</i> , 2020, 11, 1946.	2.2	12
45	Potential T Cell-Intrinsic Regulatory Roles for IRF5 via Cytokine Modulation in T Helper Subset Differentiation and Function. <i>Frontiers in Immunology</i> , 2020, 11, 1143.	2.2	11
46	<i>Aim2</i> Couples With <i>Ube2i</i> for Sumoylation-Mediated Repression of Interferon Signatures in Systemic Lupus Erythematosus. <i>Arthritis and Rheumatology</i> , 2021, 73, 1467-1477.	2.9	10
47	A conserved region within interferon regulatory factor 5 controls breast cancer cell migration through a cytoplasmic and transcription-independent mechanism. <i>Molecular Cancer</i> , 2015, 14, 32.	7.9	8
48	RNAi Transfection Optimized in Primary Naïve B Cells for the Targeted Analysis of Human Plasma Cell Differentiation. <i>Frontiers in Immunology</i> , 2019, 10, 1652.	2.2	5
49	Constitutive expression of IRF-5 in HTLV-1-infected T cells. <i>International Journal of Oncology</i> , 2015, 47, 361-369.	1.4	4
50	Intracellular IRF5 Dimerization Assay. <i>Bio-protocol</i> , 2021, 11, e4021.	0.2	1