

Caroline A Jefferies

List of Publications by Year in descending order

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72
papers

5,412
citations

109321

35
h-index

102487

66
g-index

79
all docs

79
docs citations

79
times ranked

7491
citing authors

#	ARTICLE	IF	CITATIONS
1	Mal (MyD88-adaptor-like) is required for Toll-like receptor-4 signal transduction. <i>Nature</i> , 2001, 413, 78-83.	27.8	1,122
2	Targeted Liposomal Drug Delivery to Monocytes and Macrophages. <i>Journal of Drug Delivery</i> , 2011, 2011, 1-11.	2.5	293
3	The E3 Ubiquitin Ligase Ro52 Negatively Regulates IFN- γ Production Post-Pathogen Recognition by Polyubiquitin-Mediated Degradation of IRF3. <i>Journal of Immunology</i> , 2008, 181, 1780-1786.	0.8	268
4	Bruton's Tyrosine Kinase Is a Toll/Interleukin-1 Receptor Domain-binding Protein That Participates in Nuclear Factor κ B Activation by Toll-like Receptor 4. <i>Journal of Biological Chemistry</i> , 2003, 278, 26258-26264.	3.4	260
5	Loss of the lupus autoantigen Ro52/Trim21 induces tissue inflammation and systemic autoimmunity by dysregulating the IL-23 \rightarrow Th17 pathway. <i>Journal of Experimental Medicine</i> , 2009, 206, 1661-1671.	8.5	259
6	Regulating IRFs in IFN Driven Disease. <i>Frontiers in Immunology</i> , 2019, 10, 325.	4.8	243
7	MyD88 Adapter-like (Mal) Is Phosphorylated by Bruton's Tyrosine Kinase during TLR2 and TLR4 Signal Transduction. <i>Journal of Biological Chemistry</i> , 2006, 281, 10489-10495.	3.4	175
8	Ursodeoxycholic acid and lithocholic acid exert anti-inflammatory actions in the colon. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, G550-G558.	3.4	170
9	C9orf72 in myeloid cells suppresses STING-induced inflammation. <i>Nature</i> , 2020, 585, 96-101.	27.8	164
10	Bruton's Tyrosine Kinase Is Involved in p65-mediated Transactivation and Phosphorylation of p65 on Serine 536 during NF κ B Activation by Lipopolysaccharide. <i>Journal of Biological Chemistry</i> , 2005, 280, 23496-23501.	3.4	125
11	NF- κ B activation by the Toll-IL-1 receptor domain protein MyD88 adapter-like is regulated by caspase-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 3372-3377.	7.1	118
12	Self Protection from Anti-Viral Responses \rightarrow Ro52 Promotes Degradation of the Transcription Factor IRF7 Downstream of the Viral Toll-Like Receptors. <i>PLoS ONE</i> , 2010, 5, e11776.	2.5	115
13	Btk Regulates Macrophage Polarization in Response to Lipopolysaccharide. <i>PLoS ONE</i> , 2014, 9, e85834.	2.5	109
14	Signaling by Toll-like Receptors 8 and 9 Requires Bruton's Tyrosine Kinase. <i>Journal of Biological Chemistry</i> , 2007, 282, 36953-36960.	3.4	108
15	Interferon Regulatory Factor-3-mediated Activation of the Interferon-sensitive Response Element by Toll-like receptor (TLR) 4 but Not TLR3 Requires the p65 Subunit of NF- κ B. <i>Journal of Biological Chemistry</i> , 2003, 278, 50923-50931.	3.4	105
16	Transactivation by the p65 Subunit of NF- κ B in Response to Interleukin-1 (IL-1) Involves MyD88, IL-1 Receptor-Associated Kinase 1, TRAF-6, and Rac1. <i>Molecular and Cellular Biology</i> , 2001, 21, 4544-4552.	2.3	81
17	Rac1 Regulates Interleukin 1-induced Nuclear Factor κ B Activation in an Inhibitory Protein κ B \pm -independent Manner by Enhancing the Ability of the p65 Subunit to Transactivate Gene Expression. <i>Journal of Biological Chemistry</i> , 2000, 275, 3114-3120.	3.4	79
18	Antiviral TRIMs: friend or foe in autoimmune and autoinflammatory disease?. <i>Nature Reviews Immunology</i> , 2011, 11, 617-625.	22.7	79

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19	Absence of SHIP-1 Results in Constitutive Phosphorylation of Tank-Binding Kinase 1 and Enhanced TLR3-Dependent IFN- β Production. <i>Journal of Immunology</i> , 2010, 184, 2314-2320.	0.8	72
20	The association of cytokines with disease activity and damage scores in systemic lupus erythematosus patients. <i>Rheumatology</i> , 2014, 53, 1586-1594.	1.9	71
21	Siglec-E Is Up-Regulated and Phosphorylated Following Lipopolysaccharide Stimulation in Order to Limit TLR-Driven Cytokine Production. <i>Journal of Immunology</i> , 2009, 183, 7703-7709.	0.8	70
22	Bruton's tyrosine kinase (Btk) - the critical tyrosine kinase in LPS signalling?. <i>Immunology Letters</i> , 2004, 92, 15-22.	2.5	68
23	MicroRNA-302d targets IRF9 to regulate the IFN-induced gene expression in SLE. <i>Journal of Autoimmunity</i> , 2017, 79, 105-111.	6.5	66
24	SOCS3 Targets Siglec 7 for Proteasomal Degradation and Blocks Siglec 7-mediated Responses. <i>Journal of Biological Chemistry</i> , 2007, 282, 3418-3422.	3.4	55
25	TRIPartite Motif 21 (TRIM21) Differentially Regulates the Stability of Interferon Regulatory Factor 5 (IRF5) Isoforms. <i>PLoS ONE</i> , 2014, 9, e103609.	2.5	53
26	IRF5-mediated signaling and implications for SLE. <i>Clinical Immunology</i> , 2014, 153, 343-352.	3.2	53
27	Bruton's Tyrosine Kinase Is Required for Apoptotic Cell Uptake via Regulating the Phosphorylation and Localization of Calreticulin. <i>Journal of Immunology</i> , 2013, 190, 5207-5215.	0.8	48
28	Role of DNA/RNA sensors and contribution to autoimmunity. <i>Cytokine and Growth Factor Reviews</i> , 2014, 25, 745-757.	7.2	46
29	IL-33: A Sheep in Wolf's Clothing?. <i>Science Signaling</i> , 2007, 2007, pe31.	3.6	45
30	Nucleic Acid Sensors as Therapeutic Targets for Human Disease. <i>Immunity</i> , 2020, 53, 78-97.	14.3	44
31	Elevated B lymphocyte stimulator levels are associated with increased damage in an Irish systemic lupus erythematosus cohort. <i>Rheumatology</i> , 2013, 52, 1279-1284.	1.9	43
32	TMEM203 is a binding partner and regulator of STING-mediated inflammatory signaling in macrophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16479-16488.	7.1	43
33	Genetics of SLE: Functional Relevance for Monocytes/Macrophages in Disease. <i>Clinical and Developmental Immunology</i> , 2012, 2012, 1-15.	3.3	41
34	Mal and MyD88: adapter proteins involved in signal transduction by Toll-like receptors. <i>Journal of Endotoxin Research</i> , 2003, 9, 55-59.	2.5	36
35	Protein tyrosine phosphatase receptor delta acts as a neuroblastoma tumor suppressor by destabilizing the aurora kinase a oncogene. <i>Molecular Cancer</i> , 2012, 11, 6.	19.2	36
36	IL-16/miR-125a axis controls neutrophil recruitment in pristane-induced lung inflammation. <i>JCI Insight</i> , 2018, 3, .	5.0	34

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37	Tyrosine Phosphorylation of the E3 Ubiquitin Ligase TRIM21 Positively Regulates Interaction with IRF3 and Hence TRIM21 Activity. <i>PLoS ONE</i> , 2012, 7, e34041.	2.5	33
38	Enhanced interferon regulatory factor 3 binding to the interleukin-23p19 promoter correlates with enhanced interleukin-23 expression in systemic lupus erythematosus. <i>Arthritis and Rheumatism</i> , 2012, 64, 1601-1609.	6.7	32
39	Oxidative DNA Damage Accelerates Skin Inflammation in Pristane-Induced Lupus Model. <i>Frontiers in Immunology</i> , 2020, 11, 554725.	4.8	32
40	Interferon gene regulation: not all roads lead to Tolls. <i>Trends in Molecular Medicine</i> , 2005, 11, 403-411.	6.7	31
41	Defects in acute responses to TLR4 in Btk-deficient mice result in impaired dendritic cell-induced IFN- γ production by natural killer cells. <i>Clinical Immunology</i> , 2012, 142, 373-382.	3.2	28
42	Suppressors of Cytokine Signaling 2 and 3 Diametrically Control Macrophage Polarization. <i>Immunity</i> , 2013, 39, 196-197.	14.3	27
43	Fibroblast growth factor homologous factor 1 interacts with NEMO to regulate NF- κ B signaling in neurons. <i>Journal of Cell Science</i> , 2012, 125, 6058-6070.	2.0	23
44	TRIM68 Negatively Regulates IFN- γ Production by Degrading TRK Fused Gene, a Novel Driver of IFN- γ Downstream of Anti-Viral Detection Systems. <i>PLoS ONE</i> , 2014, 9, e101503.	2.5	23
45	Estrogen Receptor α Regulates Tripartite Motif-Containing Protein 21 Expression, Contributing to Dysregulated Cytokine Production in Systemic Lupus Erythematosus. <i>Arthritis and Rheumatology</i> , 2014, 66, 163-172.	5.6	21
46	Targeting IRFs by ubiquitination: regulating antiviral responses. <i>Biochemical Society Transactions</i> , 2008, 36, 453-458.	3.4	19
47	High-throughput miRNA sequencing of the human placenta: expression throughout gestation. <i>Epigenomics</i> , 2021, 13, 995-1012.	2.1	19
48	2D-DIGE: Comparative Proteomics of Cellular Signalling Pathways. <i>Methods in Molecular Biology</i> , 2009, 517, 105-132.	0.9	18
49	Innate Immune Dysregulation in the Development of Cardiovascular Disease in Lupus. <i>Current Rheumatology Reports</i> , 2019, 21, 46.	4.7	15
50	Herpes simplex virus 1 targets IRF7 via ICPO to limit type I IFN induction. <i>Scientific Reports</i> , 2020, 10, 22216.	3.3	15
51	Inhibition of cathepsin L-like proteases by cathepsin V propeptide. <i>Biological Chemistry</i> , 2007, 388, 541-5.	2.5	14
52	miR-744-5p contributes to ocular inflammation in patients with primary Sjogrens Syndrome. <i>Scientific Reports</i> , 2020, 10, 7484.	3.3	13
53	TLR-induced activation of Btk - Role for endosomal MHC class II molecules revealed. <i>Cell Research</i> , 2011, 21, 998-1001.	12.0	12
54	Neutrophils Contribute to ER Stress in Lung Epithelial Cells in the Pristane-Induced Diffuse Alveolar Hemorrhage Mouse Model. <i>Frontiers in Immunology</i> , 2022, 13, 790043.	4.8	12

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55	Type 1 Interferon Gene Signature Promotes RBC Alloimmunization in a Lupus Mouse Model. <i>Frontiers in Immunology</i> , 2020, 11, 584254.	4.8	10
56	High-throughput methods for screening liposome-macrophage cell interaction. <i>Journal of Liposome Research</i> , 2015, 25, 211-221.	3.3	9
57	Macrophage MMP10 Regulates TLR7-Mediated Tolerance. <i>Frontiers in Immunology</i> , 2018, 9, 2817.	4.8	9
58	Evaluation and optimization of IgY Spin Column technology in the depletion of abundant proteins from human serum. <i>Proteomics</i> , 2011, 11, 3415-3419.	2.2	8
59	Isolation of microRNA from conjunctival impression cytology. <i>Experimental Eye Research</i> , 2015, 132, 109-114.	2.6	7
60	Coronary Microvascular Dysfunction in Patients With Systemic Lupus Erythematosus and Chest Pain. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 867155.	2.4	7
61	The RNA binding protein La/SS-B promotes RIG-I-mediated type I and type III IFN responses following Sendai viral infection. <i>Scientific Reports</i> , 2017, 7, 14537.	3.3	6
62	Regulation of cGAS-STING pathway - Implications for systemic lupus erythematosus. <i>Rheumatology and Immunology Research</i> , 2021, 2, 173-184.	0.8	6
63	Systemic IL-1 β production as a consequence of corneal HSV-1 infection-contribution to the development of herpes simplex keratitis. <i>International Journal of Ophthalmology</i> , 2019, 12, 1493-1497.	1.1	4
64	Extractable Nuclear Antigens and SLE: Specificity and Role in Disease Pathogenesis. , 2011, , 259-274.		3
65	Proteomic Analysis of Protein Complexes in Toll-Like Receptor Biology. <i>Methods in Molecular Biology</i> , 2009, 517, 91-104.	0.9	0
66	Siglec-E is up-regulated and phosphorylated following lipopolysaccharide stimulation in order to limit TLR-driven cytokine production. <i>Journal of Immunology</i> , 2010, 184, 1655-1655.	0.8	0
67	Pathogenesis of Fibrosis-The Lung as a Model. , 2019, , 261-268.		0
68	The lung in systemic lupus erythematosus. , 2021, , 427-438.		0
69	Human Placenta MicroRNA Differences Between First and Third Trimester. <i>Journal of the Endocrine Society</i> , 2021, 5, A504-A505.	0.2	0
70	Sex Differences in the Human Placenta MicroRNA Transcriptome. <i>Journal of the Endocrine Society</i> , 2021, 5, A753-A753.	0.2	0
71	Type 1 Interferon Promotes RBC Alloimmunization in a Lupus Mouse Model. <i>Blood</i> , 2019, 134, 101-101.	1.4	0
72	1501-Genetics of age at systemic lupus erythematosus diagnosis. , 2021, , .		0