Katryn J Stacey

List of Publications by Year
in descending order

71 papers	6,553 citations	66343 42 h-index	85541 71 g-index
71 all docs	71 docs citations	71 times ranked	9526 citing authors

#	Article	IF	Citations
1	A broadly protective antibody that targets the flavivirus NS1 protein. Science, 2021, 371, 190-194.	12.6	66
2	MyD88 TIR domain higher-order assembly interactions revealed by microcrystal electron diffraction and serial femtosecond crystallography. Nature Communications, 2021, 12, 2578.	12.8	55
3	Manipulation of epithelial cell death pathways by <i>Shigella</i>. EMBO Journal, 2020, 39, e106202.	7.8	1
4	Compromised <scp>NLRP</scp>3 and <scp>AIM</scp>2 inflammasome function in autoimmune <scp>NZB</scp>/W F1 mouse macrophages. Immunology and Cell Biology, 2019, 97, 17-28.	2.3	8
5	<scp>IRF</scp> 1 and <scp>IRF</scp> 2 regulate the nonâ€canonical inflammasome. EMBO Reports, 2019, 20, e48891.	4.5	13
6	Dual targeting of dengue virus virions and NS1 protein with the heparan sulfate mimic PG545. Antiviral Research, 2019, 168, 121-127.	4.1	27
7	Caspase-1 self-cleavage is an intrinsic mechanism to terminate inflammasome activity. Journal of Experimental Medicine, 2018, 215, 827-840.	8.5	396
8	Caspase-1 Is an Apical Caspase Leading to Caspase-3 Cleavage in the AIM2 Inflammasome Response, Independent of Caspase-8. Journal of Molecular Biology, 2018, 430, 238-247.	4.2	71
9	Plugging the Leak in Dengue Shock. Advances in Experimental Medicine and Biology, 2018, 1062, 89-106.	1.6	4
10	Membrane vesicles from <i>Pseudomonas aeruginosa</i> activate the noncanonical inflammasome through caspaseâ€5 in human monocytes. Immunology and Cell Biology, 2018, 96, 1120-1130.	2.3	65
11	Dengue virus NS1 protein activates immune cells via TLR4 but not TLR2 or TLR6. Immunology and Cell Biology, 2017, 95, 491-495.	2.3	89
12	The molecular mechanisms of signaling by cooperative assembly formation in innate immunity pathways. Molecular Immunology, 2017, 86, 23-37.	2.2	95
13	Structural basis of TIR-domain-assembly formation in MAL- and MyD88-dependent TLR4 signaling. Nature Structural and Molecular Biology, 2017, 24, 743-751.	8.2	140
14	Bacterial membrane vesicles transport their DNA cargo into host cells. Scientific Reports, 2017, 7, 7072.	3.3	267
15	Assessment of Inflammasome Formation by Flow Cytometry. Current Protocols in Immunology, 2016, 114, 14.40.1-14.40.29.	3.6	27
16	Programmed Death-1 Ligand 2-Mediated Regulation of the PD-L1 to PD-1 Axis Is Essential for Establishing CD4 + T Cell Immunity. Immunity, 2016, 45, 333-345.	14.3	92
17	Cryo-EM Structure of Caspase-8 Tandem DED Filament Reveals Assembly and Regulation Mechanisms of the Death-Inducing Signaling Complex. Molecular Cell, 2016, 64, 236-250.	9.7	128
18	Methods for Delivering DNA to Intracellular Receptors. Methods in Molecular Biology, 2016, 1390, 93-106.	0.9	6

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19	<i>Salmonella</i> employs multiple mechanisms to subvert the TLRâ€inducible zincâ€mediated antimicrobial response of human macrophages. FASEB Journal, 2016, 30, 1901-1912.	0.5	91
20	Correcting the NLRP3 inflammasome deficiency in macrophages from autoimmune NZB mice with exon skipping antisense oligonucleotides. Immunology and Cell Biology, 2016, 94, 520-524.	2.3	7
21	Induction of interferon and cell death in response to cytosolic DNA in chicken macrophages. Developmental and Comparative Immunology, 2016, 59, 145-152.	2.3	15
22	Response to comment on â€œDengue virus NS1 protein activates cells via Toll-like receptor 4 and disrupts endothelial cell monolayer integrityâ€•and â€œDengue virus NS1 triggers endothelial permeability and vascular leak that is prevented by NS1 vaccinationâ€• Science Translational Medicine, 2015, 7, 318lr4.	12.4	3
23	The Inflammasome Adaptor ASC Induces Procaspase-8 Death Effector Domain Filaments. Journal of Biological Chemistry, 2015, 290, 29217-29230.	3.4	69
24	Deficient NLRP3 and AIM2 Inflammasome Function in Autoimmune NZB Mice. Journal of Immunology, 2015, 195, 1233-1241.	0.8	32
25	Dengue virus NS1 protein activates cells via Toll-like receptor 4 and disrupts endothelial cell monolayer integrity. Science Translational Medicine, 2015, 7, 304ra142.	12.4	394
26	Response to Comment on â€œDeficient NLRP3 and AIM2 Inflammasome Function in Autoimmune NZB Miceâ€• Journal of Immunology, 2015, 195, 4552-4553.	0.8	3
27	A Novel Pathway of Cell Death in Response to Cytosolic DNA in <i>Drosophila</i> Cells. Journal of Innate Immunity, 2015, 7, 212-222.	3.8	6
28	A Novel Flow Cytometric Method To Assess Inflammasome Formation. Journal of Immunology, 2015, 194, 455-462.	0.8	90
29	Identification of Multifaceted Binding Modes for Pyrin and ASC Pyrin Domains Gives Insights into Pyrin Inflammasome Assembly. Journal of Biological Chemistry, 2014, 289, 23504-23519.	3.4	37
30	The Neutrophil NLRC4 Inflammasome Selectively Promotes IL-1Î² Maturation without Pyroptosis during Acute Salmonella Challenge. Cell Reports, 2014, 8, 570-582.	6.4	341
31	Mitochondrial apoptosis is dispensable for <scp>NLRP</scp>3 inflammasome activation but nonâ€apoptotic caspaseâ€8 is required for inflammasome priming. EMBO Reports, 2014, 15, 982-990.	4.5	189
32	Molecular Mechanism for p202-Mediated Specific Inhibition of AIM2 Inflammasome Activation. Cell Reports, 2013, 4, 327-339.	6.4	81
33	Inflammasome-mediated pyroptotic and apoptotic cell death, and defense against infection. Current Opinion in Microbiology, 2013, 16, 319-326.	5.1	235
34	Malaria infection alters the expression of <scp>B</scp>â€cell activating factor resulting in diminished memory antibody responses and survival. European Journal of Immunology, 2012, 42, 3291-3301.	2.9	38
35	Acute lipopolysaccharide priming boosts inflammasome activation independently of inflammasome sensor induction. Immunobiology, 2012, 217, 1325-1329.	1.9	140
36	DEC-205 is a cell surface receptor for CpG oligonucleotides. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16270-16275.	7.1	155

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37	The mammalian PYHIN gene family: Phylogeny, evolution and expression. BMC Evolutionary Biology, 2012, 12, 140.	3.2	168
38	Intramacrophage survival of uropathogenic Escherichia coli: Differences between diverse clinical isolates and between mouse and human macrophages. Immunobiology, 2011, 216, 1164-1171.	1.9	61
39	Macrophage Activation and Differentiation Signals Regulate Schlafen-4 Gene Expression: Evidence for Schlafen-4 as a Modulator of Myelopoiesis. PLoS ONE, 2011, 6, e15723.	2.5	67
40	The immunostimulatory activity of phosphorothioate CpG oligonucleotides is affected by distal sequence changes. Molecular Immunology, 2011, 48, 1027-1034.	2.2	15
41	B cells do not take up bacterial DNA: an essential role for antigen in exposure of DNA to tollâ€like receptorâ€9. Immunology and Cell Biology, 2011, 89, 517-525.	2.3	14
42	A visual framework for sequence analysis using <i>n</i>-grams and spectral rearrangement. Bioinformatics, 2010, 26, 737-744.	4.1	14
43	A clear link between endogenous retroviral LTR activity and Hodgkin's lymphoma. Cell Research, 2010, 20, 869-871.	12.0	11
44	TLR9â€independent effects of inhibitory oligonucleotides on macrophage responses to <i>S. typhimurium</i>. Immunology and Cell Biology, 2009, 87, 218-225.	2.3	11
45	HIN-200 Proteins Regulate Caspase Activation in Response to Foreign Cytoplasmic DNA. Science, 2009, 323, 1057-1060.	12.6	737
46	Differential Effects of CpG DNA on IFN-Î² Induction and STAT1 Activation in Murine Macrophages versus Dendritic Cells: Alternatively Activated STAT1 Negatively Regulates TLR Signaling in Macrophages. Journal of Immunology, 2007, 179, 3495-3503.	0.8	44
47	Plasmodium Strain Determines Dendritic Cell Function Essential for Survival from Malaria. PLoS Pathogens, 2007, 3, e96.	4.7	72
48	PU.1 and ICSBP control constitutive and IFN-Î³-regulated Tlr9 gene expression in mouse macrophages. Journal of Leukocyte Biology, 2007, 81, 1577-1590.	3.3	41
49	Higher-order CpG-DNA stimulation reveals distinct activation requirements for marginal zone and follicular B cells in lupus mice. European Journal of Immunology, 2006, 36, 1951-1962.	2.9	20
50	CpG DNA Activates Survival in Murine Macrophages through TLR9 and the Phosphatidylinositol 3-Kinase-Akt Pathway. Journal of Immunology, 2006, 177, 4473-4480.	0.8	62
51	DNA Motifs Suppressing TLR9 Responses. Critical Reviews in Immunology, 2006, 26, 527-544.	0.5	33
52	Interaction between conventional dendritic cells and natural killer cells is integral to the activation of effective antiviral immunity. Nature Immunology, 2005, 6, 1011-1019.	14.5	241
53	The phasevarion: A genetic system controlling coordinated, random switching of expression of multiple genes. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 5547-5551.	7.1	191
54	Cutting Edge: Species-Specific TLR9-Mediated Recognition of CpG and Non-CpG Phosphorothioate-Modified Oligonucleotides. Journal of Immunology, 2005, 174, 605-608.	0.8	129

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55	Differences in Macrophage Activation by Bacterial DNA and CpG-Containing Oligonucleotides. Journal of Immunology, 2005, 175, 3569-3576.	0.8	71
56	LPS regulates a set of genes in primary murine macrophages by antagonising CSF-1 action. Immunobiology, 2005, 210, 97-107.	1.9	58
57	The Molecular Basis for the Lack of Immunostimulatory Activity of Vertebrate DNA. Journal of Immunology, 2003, 170, 3614-3620.	0.8	164
58	Colony-Stimulating Factor-1 Suppresses Responses to CpG DNA and Expression of Toll-Like Receptor 9 but Enhances Responses to Lipopolysaccharide in Murine Macrophages. Journal of Immunology, 2002, 168, 392-399.	0.8	93
59	Regulation of urokinase plasminogen activator gene transcription in the RAW264 murine macrophage cell line by macrophage colony-stimulating factor (CSF-1) is dependent upon the level of cell-surface receptor. Biochemical Journal, 2000, 347, 313.	3.7	3
60	Regulation of urokinase plasminogen activator gene transcription in the RAW264 murine macrophage cell line by macrophage colony-stimulating factor (CSF-1) is dependent upon the level of cell-surface receptor. Biochemical Journal, 2000, 347, 313-320.	3.7	18
61	Phosphorothioate Backbone Modification Modulates Macrophage Activation by CpG DNA. Journal of Immunology, 2000, 165, 4165-4173.	0.8	116
62	Mechanisms of regulation of the MacMARCKS gene in macrophages by bacterial lipopolysaccharide. Journal of Leukocyte Biology, 1999, 66, 528-534.	3.3	21
63	The actions of bacterial DNA on murine macrophages. Journal of Leukocyte Biology, 1999, 66, 542-548.	3.3	33
64	Regulation of the plasminogen activator inhibitor-2 (PAI-2) gene in murine macrophages. Demonstration of a novel pattern of responsiveness to bacterial endotoxin. Journal of Leukocyte Biology, 1999, 66, 172-182.	3.3	53
65	Immunostimulatory DNA as an Adjuvant in Vaccination against<i>Leishmania major</i>. Infection and Immunity, 1999, 67, 3719-3726.	2.2	134
66	IFN-Î³ Primes Macrophage Responses to Bacterial DNA. Journal of Interferon and Cytokine Research, 1998, 18, 263-271.	1.2	82
67	Persistent Activation of Mitogen-Activated Protein Kinases p42 and p44 and ets-2 Phosphorylation in Response to Colony-Stimulating Factor 1/c-fms Signaling. Molecular and Cellular Biology, 1998, 18, 5148-5156.	2.3	98
68	RNA synthesis inhibition stabilises urokinase mRNA in macrophages. FEBS Letters, 1994, 356, 311-313.	2.8	20
69	Electroporation and DNAâ€dependent cell death in murine macrophages. Immunology and Cell Biology, 1993, 71, 75-85.	2.3	113
70	The resistance of macrophage-like tumour cell lines to growth inhibition by lipopolysaccharide and pertussis toxin. British Journal of Haematology, 1993, 84, 392-401.	2.5	16
71	Constitutive expression of the urokinase plasminogen activator gene in murine RAW264 macrophages involves distal and 5â€² non-coding sequences that are conserved between mouse and pig. Nucleic Acids Research, 1991, 19, 6839-6847.	14.5	53