Melanie J Scott

List of Publications by Year
in descending order

64	2,799	172457	182427
papers	citations	29 h-index	51 g-index

71	71	71	4244
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Role of autophagy in intervertebral disc degeneration. Journal of Cellular Physiology, 2022, 237, 1266-1284.	4.1	27
2	Hepatocytes Are Resistant to Cell Death From Canonical and Non-Canonical Inflammasome-Activated Pyroptosis. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 739-757.	4.5	16
3	GRK2 regulates group 2 innate lymphoid cell mobilization in sepsis. Molecular Medicine, 2022, 28, 32.	4.4	2
4	Inflammatory Caspase Activity Mediates HMGB1 Release and Differentiation in Myoblasts Affected by Peripheral Arterial Disease. Cells, 2022, 11, 1163.	4.1	3
5	Interferon Type I Regulates Inflammasome Activation and High Mobility Group Box 1 Translocation in Hepatocytes During Ehrlichiaâ€Induced Acute Liver Injury. Hepatology Communications, 2021, 5, 33-51.	4.3	13
6	Maresin 1 protects the liver against ischemia/reperfusion injury via the ALXR/Akt signaling pathway. Molecular Medicine, 2021, 27, 18.	4.4	19
7	Single-Cell Transcriptomics Reveals Compartment-Specific Differences in Immune Responses and Contributions for Complement Factor 3 in Hemorrhagic Shock Plus Tissue Trauma. Shock, 2021, 56, 994-1008.	2.1	2
8	The emerging therapeutic potential of extracellular vesicles in trauma. Journal of Leukocyte Biology, 2021, 111, 93-111.	3.3	5
9	Plateletâ€“Monocyte Aggregates: Understanding Mechanisms and Functions in Sepsis. Shock, 2021, 55, 156-166.	2.1	17
10	TBK1/IKKÎµ Negatively Regulate LPS-Induced Neutrophil Necroptosis and Lung Inflammation. Shock, 2021, 55, 338-348.	2.1	6
11	EGFR signaling augments TLR4 cell surface expression and function in macrophages via regulation of Rab5a activation. Protein and Cell, 2020, 11, 144-149.	11.0	14
12	Hepatocyte high-mobility group box 1 protects against steatosis and cellular stress during high fat diet feeding. Molecular Medicine, 2020, 26, 115.	4.4	9
13	Notch signaling protects CD4 T cells from STING-mediated apoptosis during acute systemic inflammation. Science Advances, 2020, 6, .	10.3	29
14	RAGE-induced ILC2 expansion in acute lung injury due to haemorrhagic shock. Thorax, 2020, 75, 209-219.	5.6	23
15	Return of Individual Research Results. American Journal of Pathology, 2020, 190, 918-933.	3.8	11
16	Caspase1/11 signaling affects muscle regeneration and recovery following ischemia, and can be modulated by chloroquine. Molecular Medicine, 2020, 26, 69.	4.4	6
17	Immuneâ€Responsive Gene 1/Itaconate Activates Nuclear Factor Erythroid 2â€“Related Factor 2 in Hepatocytes to Protect Against Liver Ischemiaâ€“Reperfusion Injury. Hepatology, 2020, 72, 1394-1411.	7.3	124
18	LPS Induces Active HMGB1 Release From Hepatocytes Into Exosomes Through the Coordinated Activities of TLR4 and Caspase-11/GSDMD Signaling. Frontiers in Immunology, 2020, 11, 229.	4.8	81

#	Article	IF	Citations
19	The upside-downside nature of Vitamin D signaling in liver. Journal of Leukocyte Biology, 2019, 106, 783-785.	3.3	1
20	Gasdermin D protects against noninfectious liver injury by regulating apoptosis and necroptosis. Cell Death and Disease, 2019, 10, 481.	6.3	31
21	Location is the key to function: HMGB1 in sepsis and trauma-induced inflammation. Journal of Leukocyte Biology, 2019, 106, 161-169.	3.3	115
22	TSLP protects against liver I/R injury via activation of the PI3K/Akt pathway. JCI Insight, 2019, 4, .	5.0	27
23	Frontline Science: Macrophage-derived exosomes promote neutrophil necroptosis following hemorrhagic shock. Journal of Leukocyte Biology, 2018, 103, 175-183.	3.3	30
24	Group 2 innate lymphoid cells protect lung endothelial cells from pyroptosis in sepsis. Cell Death and Disease, 2018, 9, 369.	6.3	62
25	The Endotoxin Delivery Protein HMGB1 Mediates Caspase-11-Dependent Lethality in Sepsis. Immunity, 2018, 49, 740-753.e7.	14.3	377
26	Cutting Edge: The Heat Shock Protein gp96 Activates Inflammasome-Signaling Platforms in APCs. Journal of Immunology, 2018, 201, 2209-2214.	0.8	20
27	Platelet HMGB1 is required for efficient bacterial clearance in intra-abdominal bacterial sepsis in mice. Blood Advances, 2018, 2, 638-648.	5.2	41
28	cGAS-mediated autophagy protects the liver from ischemia-reperfusion injury independently of STING. American Journal of Physiology - Renal Physiology, 2018, 314, G655-G667.	3.4	74
29	Lung epithelial cell-derived IL-25 negatively regulates LPS-induced exosome release from macrophages. Military Medical Research, 2018, 5, 24.	3.4	41
30	Typeâ€Ⅰ interferonâ€mediated Akt/mTORC2 signaling regulates autophagy and inflammasome activation in mouse liver injury/sepsis model. FASEB Journal, 2018, 32, 41.7.	0.5	0
31	Regulation of HMGB1 in Hepatocytes by MyD88 and Typeâ€Ⅰ interferon (IFNâ€Ⅰ) During Ehrlichiaâ€induced acute liver injury.. FASEB Journal, 2018, 32, 406.10.	0.5	0
32	What's New in Shock, January 2017?. Shock, 2017, 47, 1-4.	2.1	0
33	Cold-inducible RNA-binding protein through TLR4 signaling induces mitochondrial DNA fragmentation and regulates macrophage cell death after trauma. Cell Death and Disease, 2017, 8, e2775-e2775.	6.3	39
34	NK1.1+ cells promote sustained tissue injury and inflammation after trauma with hemorrhagic shock. Journal of Leukocyte Biology, 2017, 102, 127-134.	3.3	9
35	Aging-Impaired Filamentous Actin Polymerization Signaling Reduces Alveolar Macrophage Phagocytosis of Bacteria. Journal of Immunology, 2017, 199, 3176-3186.	0.8	40
36	Metformin improves nonalcoholic fatty liver disease in obese mice via down-regulation of apolipoprotein A5 as part of the AMPK/LXRÎ± signaling pathway. Oncotarget, 2017, 8, 108802-108809.	1.8	24

#	Article	IF	Citations
37	Toll-Like Receptor 4 on both Myeloid Cells and Dendritic Cells Is Required for Systemic Inflammation and Organ Damage after Hemorrhagic Shock with Tissue Trauma in Mice. Frontiers in Immunology, 2017, 8, 1672.	4.8	15
38	MyD88-dependent inflammasome activation and autophagy inhibition contributes to Ehrlichia-induced liver injury and toxic shock. PLoS Pathogens, 2017, 13, e1006644.	4.7	38
39	Inflammasome and Autophagy Regulation: A Two-way Street. Molecular Medicine, 2017, 23, 188-195.	4.4	155
40	N-tert-butylmethanimine N-oxide is an efficient spin-trapping probe for EPR analysis of glutathione thiyl radical. Scientific Reports, 2016, 6, 38773.	3.3	22
41	Caspase-1 as a multifunctional inflammatory mediator: noncytokine maturation roles. Journal of Leukocyte Biology, 2016, 100, 961-967.	3.3	86
42	Toll-like Receptor 4 Signaling on Dendritic Cells Suppresses Polymorphonuclear Leukocyte CXCR2 Expression and Trafficking via Interleukin 10 During Intra-abdominal Sepsis. Journal of Infectious Diseases, 2016, 213, 1280-1288.	4.0	24
43	Immune Activation in the Liver by Nucleic Acids. Journal of Clinical and Translational Hepatology, 2016, 4, 151-7.	1.4	6
44	What's New in Shock? November 2015. Shock, 2015, 44, 387-389.	2.1	0
45	Purposeful Repurposing. Critical Care Medicine, 2015, 43, 2043-2045.	0.9	2
46	Anti-HMGB1 Monoclonal Antibody Ameliorates Immunosuppression after Peripheral Tissue Trauma: Attenuated T-Lymphocyte Response and Increased Splenic CD11b⁺Gr-1⁺Myeloid-Derived Suppressor Cells Require HMGB1. Mediators of Inflammation, 2015, 2015, 1-10.	3.0	36
47	Whatâ€™s New in Shock? April 2015. Shock, 2015, 43, 301-303.	2.1	0
48	Type I Interferon Contributes to Noncanonical Inflammasome Activation, Mediates Immunopathology, and Impairs Protective Immunity during Fatal Infection with Lipopolysaccharide-Negative Ehrlichiae. American Journal of Pathology, 2015, 185, 446-461.	3.8	34
49	Shedding of the tumor necrosis factor (TNF) receptor from the surface of hepatocytes during sepsis limits inflammation through cGMP signaling. Science Signaling, 2015, 8, ra11.	3.6	56
50	Lipopolysaccharide Stimulates p62-Dependent Autophagy-Like Aggregate Clearance in Hepatocytes. BioMed Research International, 2014, 2014, 1-13.	1.9	32
51	Neutrophils Counteract Autophagy-Mediated Anti-Inflammatory Mechanisms in Alveolar Macrophage: Role in Posthemorrhagic Shock Acute Lung Inflammation. Journal of Immunology, 2014, 193, 4623-4633.	0.8	52
52	Caspase 1 Activation Is Protective against Hepatocyte Cell Death by Up-regulating Beclin 1 Protein and Mitochondrial Autophagy in the Setting of Redox Stress. Journal of Biological Chemistry, 2013, 288, 15947-15958.	3.4	70
53	Hemorrhagic Shock Augments Nlrp3 Inflammasome Activation in the Lung through Impaired Pyrin Induction. Journal of Immunology, 2013, 190, 5247-5255.	0.8	42
54	Lipopolysaccharide Clearance, Bacterial Clearance, and Systemic Inflammatory Responses Are Regulated by Cell Typeâ€“Specific Functions of TLR4 during Sepsis. Journal of Immunology, 2013, 190, 5152-5160.	0.8	165

#	Article	IF	Citations
55	Mammalian DNA Is an Endogenous Danger Signal That Stimulates Local Synthesis and Release of Complement Factor B. Molecular Medicine, 2012, 18, 851-860.	4.4	24
56	Caspase-1 Is Hepatoprotective during Trauma and Hemorrhagic Shock by Reducing Liver Injury and Inflammation. Molecular Medicine, 2011, 17, 1031-1038.	4.4	51
57	Hemorrhagic Shock Activation of NLRP3 Inflammasome in Lung Endothelial Cells. Journal of Immunology, 2011, 187, 4809-4817.	0.8	136
58	Hepatocytes express functional NOD1 and NOD2 receptors: A role for NOD1 in hepatocyte CC and CXC chemokine production. Journal of Hepatology, 2010, 53, 693-701.	3.7	78
59	Endotoxin uptake in mouse liver is blocked by endotoxin pretreatment through a suppressor of cytokine signaling-1-dependent mechanism. Hepatology, 2009, 49, 1695-1708.	7.3	67
60	Systemic inflammation and end organ damage following trauma involves functional TLR4 signaling in both bone marrow-derived cells and parenchymal cells. Journal of Leukocyte Biology, 2008, 83, 80-88.	3.3	69
61	Î²2-Integrin-induced p38 MAPK Activation Is a Key Mediator in the CD14/TLR4/MD2-dependent Uptake of Lipopolysaccharide by Hepatocytes. Journal of Biological Chemistry, 2008, 283, 29433-29446.	3.4	92
62	HEPATOCYTES ENHANCE EFFECTS OF LIPOPOLYSACCHARIDE ON LIVER NONPARENCHYMAL CELLS THROUGH CLOSE CELL INTERACTIONS. Shock, 2005, 23, 453-458.	2.1	34
63	Leukotriene B4 Receptor (BLT-1) Modulates Neutrophil Influx into the Peritoneum but Not the Lung and Liver during Surgically Induced Bacterial Peritonitis in Mice. Vaccine Journal, 2004, 11, 936-941.	2.6	24
64	Genetic background influences natural killer cell activation during bacterial peritonitis in mice, and is interleukin 12 and interleukin 18 independent. Cytokine, 2004, 28, 124-136.	3.2	8