

Heather S Smallwood

List of Publications by Year in descending order

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28
papers

1,229
citations

471509

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docs citations

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times ranked

2293
citing authors

#	ARTICLE	IF	CITATIONS
1	Distinct Epigenetic Signatures Delineate Transcriptional Programs during Virus-Specific CD8+ T Cell Differentiation. <i>Immunity</i> , 2014, 41, 853-865.	14.3	189
2	Proteomic Analysis of Salmonella enterica Serovar Typhimurium Isolated from RAW 264.7 Macrophages. <i>Journal of Biological Chemistry</i> , 2006, 281, 29131-29140.	3.4	136
3	Targeting Metabolic Reprogramming by Influenza Infection for Therapeutic Intervention. <i>Cell Reports</i> , 2017, 19, 1640-1653.	6.4	127
4	Myeloid <i>Slc2a1</i> -Deficient Murine Model Revealed Macrophage Activation and Metabolic Phenotype Are Fueled by GLUT1. <i>Journal of Immunology</i> , 2019, 202, 1265-1286.	0.8	104
5	Oxidation of Met144 and Met145 in Calmodulin Blocks Calmodulin Dependent Activation of the Plasma Membrane Ca-ATPase. <i>Biochemistry</i> , 2003, 42, 3231-3238.	2.5	84
6	Identification of a Denitrase Activity against Calmodulin in Activated Macrophages Using High-Field Liquid Chromatography-FTICR Mass Spectrometry. <i>Biochemistry</i> , 2007, 46, 10498-10505.	2.5	63
7	Proteomic Investigation of the Time Course Responses of RAW 264.7 Macrophages to Infection with <i>Salmonella enterica</i> . <i>Infection and Immunity</i> , 2009, 77, 3227-3233.	2.2	54
8	Pharmacologic activation of estrogen receptor α increases mitochondrial function, energy expenditure, and brown adipose tissue. <i>FASEB Journal</i> , 2017, 31, 266-281.	0.5	52
9	Aging Enhances the Production of Reactive Oxygen Species and Bactericidal Activity in Peritoneal Macrophages by Upregulating Classical Activation Pathways. <i>Biochemistry</i> , 2011, 50, 9911-9922.	2.5	46
10	Mediating Molecular Recognition by Methionine Oxidation: Conformational Switching by Oxidation of Methionine in the Carboxyl-Terminal Domain of Calmodulin. <i>Biochemistry</i> , 2005, 44, 9486-9496.	2.5	40
11	Selective Nitration of Tyr99 in Calmodulin as a Marker of Cellular Conditions of Oxidative Stress. <i>Chemical Research in Toxicology</i> , 2003, 16, 95-102.	3.3	35
12	Evaluation of a High-Intensity Focused Ultrasound-Immobilized Trypsin Digestion and ¹⁸ O-Labeling Method for Quantitative Proteomics. <i>Analytical Chemistry</i> , 2009, 81, 6272-6277.	6.5	35
13	Functional link between TNF biosynthesis and CaM-dependent activation of inducible nitric oxide synthase in RAW 264.7 macrophages. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 290, C1512-C1520.	4.6	26
14	A top-down LC-FTICR MS-based strategy for characterizing oxidized calmodulin in activated macrophages. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 930-939.	2.8	23
15	Influenza A virus directly modulates mouse eosinophil responses. <i>Journal of Leukocyte Biology</i> , 2020, 108, 151-168.	3.3	23
16	Increases in Calmodulin Abundance and Stabilization of Activated Inducible Nitric Oxide Synthase Mediate Bacterial Killing in RAW 264.7 Macrophages. <i>Biochemistry</i> , 2006, 45, 9717-9726.	2.5	22
17	High-Affinity and Cooperative Binding of Oxidized Calmodulin by Methionine Sulfoxide Reductase. <i>Biochemistry</i> , 2006, 45, 14642-14654.	2.5	21
18	Proteome of Salmonella Enterica Serotype Typhimurium Grown in a Low Mg ²⁺ /pH Medium. <i>Journal of Proteomics and Bioinformatics</i> , 2009, 02, 388-397.	0.4	21

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19	Diverse Heterologous Primary Infections Radically Alter Immunodominance Hierarchies and Clinical Outcomes Following H7N9 Influenza Challenge in Mice. <i>PLoS Pathogens</i> , 2015, 11, e1004642.	4.7	20
20	Loss of the Calmodulin-Dependent Inhibition of the RyR1 Calcium Release Channel upon Oxidation of Methionines in Calmodulin. <i>Biochemistry</i> , 2008, 47, 131-142.	2.5	17
21	Fueling influenza and the immune response: Implications for metabolic reprogramming during influenza infection and immunometabolism. <i>Immunological Reviews</i> , 2020, 295, 140-166.	6.0	14
22	Dynamic metabolic reprogramming in dendritic cells: An early response to influenza infection that is essential for effector function. <i>PLoS Pathogens</i> , 2020, 16, e1008957.	4.7	13
23	Calmodulin Mediates DNA Repair Pathways Involving H2AX in Response to Low-Dose Radiation Exposure of RAW 264.7 Macrophages. <i>Chemical Research in Toxicology</i> , 2009, 22, 460-470.	3.3	12
24	Discovery and predictive modeling of urine microbiome, metabolite and cytokine biomarkers in hospitalized patients with community acquired pneumonia. <i>Scientific Reports</i> , 2020, 10, 13418.	3.3	12
25	Seasonal Influenza Vaccination Is the Strongest Correlate of Cross-Reactive Antibody Responses in Migratory Bird Handlers. <i>MBio</i> , 2014, 5, e02107.	4.1	10
26	Calmodulin Involvement in Stress-Activated Nuclear Localization of Albumin in JB6 Epithelial Cells. <i>Biochemistry</i> , 2004, 43, 7443-7450.	2.5	9
27	HIF-Dependent CKB Expression Promotes Breast Cancer Metastasis, Whereas Cyclocreatine Therapy Impairs Cellular Invasion and Improves Chemotherapy Efficacy. <i>Cancers</i> , 2022, 14, 27.	3.7	9
28	Mapping Influenza-Induced Posttranslational Modifications on Histones from CD8+ T Cells. <i>Viruses</i> , 2020, 12, 1409.	3.3	7