# Sarah R Walmsley

List of Publications by Year
in descending order



| 60 | 4,119 | 147801 | 133252 |
|---|---|---|---|
| papers | citations | 31 h-index | 59 g-index |

| 64 | 64 | 64 | 6231 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Neutrophil HIF-1Î± stabilization is augmented by mitochondrial ROS produced via the glycerol 3-phosphate shuttle. Blood, 2022, 139, 281-286. | 1.4 | 56 |
| 2 | Coagulation factor V is a T-cell inhibitor expressed by leukocytes in COVID-19. IScience, 2022, 25, 103971. | 4.1 | 7 |
| 3 | Hypoxia shapes the immune landscape in lung injury and promotes the persistence of inflammation. Nature Immunology, 2022, 23, 927-939. | 14.5 | 21 |
| 4 | Neutrophils Fuel Effective Immune Responses through Gluconeogenesis and Glycogenesis. Cell Metabolism, 2021, 33, 411-423.e4. | 16.2 | 84 |
| 5 | ÂÂÂÂÂÂÂA type I IFN, prothrombotic hyperinflammatory neutrophil signature is distinct for COVID-19 ARDSÂÂÂ. Wellcome Open Research, 2021, 6, 38. | 1.8 | 29 |
| 6 | Hypoxia drives murine neutrophil protein scavenging to maintain central carbon metabolism. Journal of Clinical Investigation, 2021, 131, . | 8.2 | 21 |
| 7 | ÂÂÂÂÂÂÂA type I IFN, prothrombotic hyperinflammatory neutrophil signature is distinct for COVID-19 ARDSÂÂÂ. Wellcome Open Research, 2021, 6, 38. | 1.8 | 35 |
| 8 | Macrophage miR-210 induction and metabolic reprogramming in response to pathogen interaction boost life-threatening inflammation. Science Advances, 2021, 7, . | 10.3 | 26 |
| 9 | The transcription factor EGR2 is indispensable for tissue-specific imprinting of alveolar macrophages in health and tissue repair. Science Immunology, 2021, 6, eabj2132. | 11.9 | 23 |
| 10 | Hypoxia Modulates Platelet Purinergic Signalling Pathways. Thrombosis and Haemostasis, 2020, 120, 253-261. | 3.4 | 12 |
| 11 | Making a bed for viral infections. Science, 2020, 370, 166-167. | 12.6 | 1 |
| 12 | Rate of replenishment and microenvironment contribute to the sexually dimorphic phenotype and function of peritoneal macrophages. Science Immunology, 2020, 5, . | 11.9 | 60 |
| 13 | Semaphorin 3F signaling actively retains neutrophils at sites of inflammation. Journal of Clinical Investigation, 2020, 130, 3221-3237. | 8.2 | 12 |
| 14 | Pressure regulates immune-cell function. Nature, 2019, 573, 41-42. | 27.8 | 7 |
| 15 | Hypoxia and reprogramming of host pathogen interactions. Current Opinion in Physiology, 2019, 7, 15-20. | 1.8 | 11 |
| 16 | IL4RÎ± Signaling Abrogates Hypoxic Neutrophil Survival and Limits Acute Lung Injury Responses In Vivo. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 235-246. | 5.6 | 33 |
| 17 | Hypoxia and the regulation of myeloid cell metabolic imprinting: consequences for the inflammatory response. EMBO Reports, 2019, 20, . | 4.5 | 57 |
| 18 | Inflammation and Hypoxia: HIF and PHD Isoform Selectivity. Trends in Molecular Medicine, 2019, 25, 33-46. | 6.7 | 151 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Opsonic Phagocytosis in Chronic Obstructive Pulmonary Disease Is Enhanced by Nrf2 Agonists. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 739-750. | 5.6 | 53 |
| 20 | Getting DAMP(s) Wets the Whistle for Neutrophil Recruitment. Immunity, 2018, 48, 846-848. | 14.3 | 8 |
| 21 | The role of neutrophils in cancer. British Medical Bulletin, 2018, 128, 5-14. | 6.9 | 90 |
| 22 | Hypoxia and host pathogen responses. Microbes and Infection, 2017, 19, 143. | 1.9 | 2 |
| 23 | Hypoxia determines survival outcomes of bacterial infection through HIF-1Î±â€“dependent reprogramming of leukocyte metabolism. Science Immunology, 2017, 2, . | 11.9 | 61 |
| 24 | Microenvironmental Regulation of Innate Immune Cell Function. , 2017, , 947-970. | | 1 |
| 25 | Prolyl hydroxylase 2 inactivation enhances glycogen storage and promotes excessive neutrophilic responses. Journal of Clinical Investigation, 2017, 127, 3407-3420. | 8.2 | 71 |
| 26 | Pseudomonas expression of an oxygen sensing prolyl hydroxylase homologue regulates neutrophil host responses in vitro and in vivo. Wellcome Open Research, 2017, 2, 104. | 1.8 | 11 |
| 27 | Mutations in succinate dehydrogenase B (SDHB) enhance neutrophil survival independent of HIF-1Î± expression. Blood, 2016, 127, 2641-2644. | 1.4 | 21 |
| 28 | MET is required for the recruitment of anti-tumoural neutrophils. Nature, 2015, 522, 349-353. | 27.8 | 359 |
| 29 | Exploring the HIFs, buts and maybes of hypoxia signalling in disease: lessons from zebrafish models. DMM Disease Models and Mechanisms, 2015, 8, 1349-1360. | 2.4 | 57 |
| 30 | HIF-mediated innate immune responses: cell signaling and therapeutic implications. Hypoxia (Auckland,) Tj ETQq0 0 0 rgBT /Overlock 10 | 1.9 | 58 |
| 31 | The Regulation of Pulmonary Inflammation by the Hypoxia-Inducible Factorâ€“Hydroxylase Oxygen-Sensing Pathway. Annals of the American Thoracic Society, 2014, 11, S271-S276. | 3.2 | 18 |
| 32 | A Zebrafish Compound Screen Reveals Modulation of Neutrophil Reverse Migration as an Anti-Inflammatory Mechanism. Science Translational Medicine, 2014, 6, 225ra29. | 12.4 | 229 |
| 33 | Hypoxia-inducible factor 2Î± regulates key neutrophil functions in humans, mice, and zebrafish. Blood, 2014, 123, 366-376. | 1.4 | 124 |
| 34 | A local circadian clock calls time on lung inflammation. Nature Medicine, 2014, 20, 809-811. | 30.7 | 8 |
| 35 | Neutrophil energetics and oxygen sensing. Blood, 2014, 123, 2753-2754. | 1.4 | 9 |
| 36 | Hypoxia, the HIF pathway and neutrophilic inflammatory responses. Biological Chemistry, 2013, 394, 471-477. | 2.5 | 28 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Hypoxia Inducible Factor Signaling Modulates Susceptibility to Mycobacterial Infection via a Nitric Oxide Dependent Mechanism. PLoS Pathogens, 2013, 9, e1003789. | 4.7 | 129 |
| 38 | Cezanne Regulates Inflammatory Responses to Hypoxia in Endothelial Cells by Targeting TRAF6 for Deubiquitination. Circulation Research, 2013, 112, 1583-1591. | 4.5 | 51 |
| 39 | Roles of neutrophils in the regulation of the extent of human inflammation through delivery of IL-1 and clearance of chemokines. Journal of Leukocyte Biology, 2013, 93, 7-19. | 3.3 | 21 |
| 40 | Deficiency of tumour necrosis factor-related apoptosis-inducing ligand exacerbates lung injury and fibrosis. Thorax, 2012, 67, 796-803. | 5.6 | 31 |
| 41 | A decoy receptor 3 analogue reduces localised defects in phagocyte function in pneumococcal pneumonia. Thorax, 2012, 67, 985-992. | 5.6 | 10 |
| 42 | Loss of the Oxygen Sensor PHD3 Enhances the Innate Immune Response to Abdominal Sepsis. Journal of Immunology, 2012, 189, 1955-1965. | 0.8 | 70 |
| 43 | Functional Redundancy of Class I Phosphoinositide 3-Kinase (PI3K) Isoforms in Signaling Growth Factor-Mediated Human Neutrophil Survival. PLoS ONE, 2012, 7, e45933. | 2.5 | 45 |
| 44 | Activation of hypoxia-inducible factor-1Î± (Hif-1Î±) delays inflammation resolution by reducing neutrophil apoptosis and reverse migration in a zebrafish inflammation model. Blood, 2011, 118, 712-722. | 1.4 | 218 |
| 45 | Hypoxia Selectively Inhibits Respiratory Burst Activity and Killing of Staphylococcus aureus in Human Neutrophils. Journal of Immunology, 2011, 186, 453-463. | 0.8 | 116 |
| 46 | Prolyl hydroxylase 3 (PHD3) is essential for hypoxic regulation of neutrophilic inflammation in humans and mice. Journal of Clinical Investigation, 2011, 121, 1053-1063. | 8.2 | 147 |
| 47 | Distinct Cell Death Programs in Monocytes Regulate Innate Responses Following Challenge with Common Causes of Invasive Bacterial Disease. Journal of Immunology, 2010, 185, 2968-2979. | 0.8 | 84 |
| 48 | Hypoxia. Hypoxia, hypoxia inducible factor and myeloid cell function. Arthritis Research and Therapy, 2009, 11, 219. | 3.5 | 21 |
| 49 | The HIF/VHL Pathway. American Journal of Respiratory Cell and Molecular Biology, 2008, 38, 251-255. | 2.9 | 40 |
| 50 | Subversion of a Lysosomal Pathway Regulating Neutrophil Apoptosis by a Major Bacterial Toxin, Pyocyanin. Journal of Immunology, 2008, 180, 3502-3511. | 0.8 | 67 |
| 51 | Neutrophils from patients with heterozygous germline mutations in the von Hippel Lindau protein (pVHL) display delayed apoptosis and enhanced bacterial phagocytosis. Blood, 2006, 108, 3176-3178. | 1.4 | 63 |
| 52 | z-VAD-fmk augmentation of TNFÎ±-stimulated neutrophil apoptosis is compound specific and does not involve the generation of reactive oxygen species. Blood, 2005, 105, 2970-2972. | 1.4 | 49 |
| 53 | Hypoxia-induced neutrophil survival is mediated by HIF-1Î±â€“dependent NF-ÎºB activity. Journal of Experimental Medicine, 2005, 201, 105-115. | 8.5 | 762 |
| 54 | The role of HIF-1Î± in myeloid cell inflammation. Trends in Immunology, 2005, 26, 434-439. | 6.8 | 72 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | New insights into oxygen sensing at a cellular level. Thorax, 2004, 59, 90-92. | 5.6 | 2 |
| 56 | The survival effect of TNF-Î±â€‰ in human neutrophils is mediated via NF-ÎºB-dependent IL-8 release. European Journal of Immunology, 2004, 34, 1733-1743. | 2.9 | 92 |
| 57 | What can we learn from highly purified neutrophils?. Biochemical Society Transactions, 2004, 32, 468-469. | 3.4 | 34 |
| 58 | Characterization of the survival effect of tumour necrosis factor-Î± in human neutrophils. Biochemical Society Transactions, 2004, 32, 456-460. | 3.4 | 21 |
| 59 | Hypoxic Regulation of Neutrophil Apoptosis Role: of Reactive Oxygen Intermediates in Constitutive and Tumor Necrosis Factor Î±-Induced Cell Death. Annals of the New York Academy of Sciences, 2003, 1010, 417-425. | 3.8 | 12 |
| 60 | Involvement of a ferroprotein sensor in hypoxia-mediated inhibition of neutrophil apoptosis. Blood, 2002, 100, 3008-3016. | 1.4 | 100 |