

Regulation of immunity and inflammation by hypoxia

Nature Reviews Immunology

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Aging, Obesity, and Inflammatory Age-Related Diseases. <i>Frontiers in Immunology</i> , 2017, 8, 1745.	2.2	246
2	HIF-1 α hampers dendritic cell function and Th1 generation during chronic visceral leishmaniasis. <i>Scientific Reports</i> , 2018, 8, 3500.	1.6	41
3	Two-photon fluorescent probe for detection of nitroreductase and hypoxia-specific microenvironment of cancer stem cell. <i>Analytica Chimica Acta</i> , 2018, 1024, 177-186.	2.6	28
4	The PHD1 oxygen sensor in health and disease. <i>Journal of Physiology</i> , 2018, 596, 3899-3913.	1.3	24
5	Sporadic on/off switching of HTLV-1 Tax expression is crucial to maintain the whole population of virus-induced leukemic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1269-E1278.	3.3	135
6	Improving immune-vascular crosstalk for cancer immunotherapy. <i>Nature Reviews Immunology</i> , 2018, 18, 195-203.	10.6	340
7	Dual IFN- γ /hypoxia priming enhances immunosuppression of mesenchymal stromal cells through regulatory proteins and metabolic mechanisms. <i>Journal of Immunology and Regenerative Medicine</i> , 2018, 1, 45-56.	0.2	39
8	A comparative analysis of immune privilege in pregnancy and cancer in the context of checkpoint blockade immunotherapy. <i>Seminars in Oncology</i> , 2018, 45, 170-175.	0.8	17
9	The influence of hypoxia and IFN- γ on the proteome and metabolome of therapeutic mesenchymal stem cells. <i>Biomaterials</i> , 2018, 167, 226-234.	5.7	74
10	Hypoxia-sensitive pathways in intestinal inflammation. <i>Journal of Physiology</i> , 2018, 596, 2985-2989.	1.3	32
11	Cross-talk between signal transduction and metabolism in B cells. <i>Immunology Letters</i> , 2018, 201, 1-13.	1.1	33
12	Evasion of Immune Surveillance in Low Oxygen Environments Enhances <i>Candida albicans</i> Virulence. <i>MBio</i> , 2018, 9, .	1.8	69
13	Manipulating cell fate: dynamic control of cell behaviors on functional platforms. <i>Chemical Society Reviews</i> , 2018, 47, 8639-8684.	18.7	115
14	Bone Immune Response to Materials, Part I: Titanium, PEEK and Copper in Comparison to Sham at 10 Days in Rabbit Tibia. <i>Journal of Clinical Medicine</i> , 2018, 7, 526.	1.0	48
15	The Tumor Vascular Endothelium as Decision Maker in Cancer Therapy. <i>Frontiers in Oncology</i> , 2018, 8, 367.	1.3	140
16	Hypoxia-inducible factor 1-dependent expression of adenosine receptor 2B promotes breast cancer stem cell enrichment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9640-E9648.	3.3	116
17	Hypoxia-inducible factor-1 α regulation of myeloid cells. <i>Journal of Molecular Medicine</i> , 2018, 96, 1293-1306.	1.7	30
18	Hypoxia-Inducible Factor Prolyl 4-Hydroxylases and Metabolism. <i>Trends in Molecular Medicine</i> , 2018, 24, 1021-1035.	3.5	34

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19	Bone marrow infiltrated Lnc-INSR induced suppressive immune microenvironment in pediatric acute lymphoblastic leukemia. <i>Cell Death and Disease</i> , 2018, 9, 1043.	2.7	25
20	Defective Mitochondrial Cardiolipin Remodeling Dampens HIF-1 α Expression in Hypoxia. <i>Cell Reports</i> , 2018, 25, 561-570.e6.	2.9	42
21	Bridging angiogenesis and immune evasion in the hypoxic tumor microenvironment. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 315, R1072-R1084.	0.9	34
22	Neutrophils as sources of dinucleotide polyphosphates and metabolism by epithelial ENPP1 to influence barrier function via adenosine signaling. <i>Molecular Biology of the Cell</i> , 2018, 29, 2687-2699.	0.9	15
23	Scale-up of the ex vivo expansion of encapsulated primary human T lymphocytes. <i>Biotechnology and Bioengineering</i> , 2018, 115, 2632-2642.	1.7	3
24	CD1-Restricted T Cells During Persistent Virus Infections: "Sympathy for the Devil". <i>Frontiers in Immunology</i> , 2018, 9, 545.	2.2	7
25	Investigational hypoxia-inducible factor prolyl hydroxylase inhibitors (HIF-PHI) for the treatment of anemia associated with chronic kidney disease. <i>Expert Opinion on Investigational Drugs</i> , 2018, 27, 613-621.	1.9	29
26	Hypoxia, Metabolism and Immune Cell Function. <i>Biomedicines</i> , 2018, 6, 56.	1.4	126
27	Metabolic Regulation of Hypoxia-Inducible Transcription Factors: The Role of Small Molecule Metabolites and Iron. <i>Biomedicines</i> , 2018, 6, 60.	1.4	32
28	Adipocyte-derived Lysophosphatidylcholine Activates Adipocyte and Adipose Tissue Macrophage Nod-Like Receptor Protein 3 Inflammasomes Mediating Homocysteine-Induced Insulin Resistance. <i>EBioMedicine</i> , 2018, 31, 202-216.	2.7	50
29	NADPH oxidases and ROS signaling in the gastrointestinal tract. <i>Mucosal Immunology</i> , 2018, 11, 1011-1023.	2.7	152
30	HIF-1 α -induced xenobiotic transporters promote Th17 responses in Crohn's disease. <i>Journal of Autoimmunity</i> , 2018, 94, 122-133.	3.0	36
31	Immunoregulatory mechanisms of mesenchymal stem and stromal cells in inflammatory diseases. <i>Nature Reviews Nephrology</i> , 2018, 14, 493-507.	4.1	725
32	MicroRNA 182 promotes T helper 1 cell by repressing hypoxia induced factor 1 alpha in experimental autoimmune encephalomyelitis. <i>European Journal of Immunology</i> , 2019, 49, 2184-2194.	1.6	12
33	Hypoxia-adaptive pathways: A pharmacological target in fibrotic disease?. <i>Pharmacological Research</i> , 2019, 147, 104364.	3.1	28
34	Involvement of N-type Ca ²⁺ channel in microglial activation and its implications to aging-induced exaggerated cytokine response. <i>Cell Calcium</i> , 2019, 82, 102059.	1.1	11
35	Shigella-mediated oxygen depletion is essential for intestinal mucosa colonization. <i>Nature Microbiology</i> , 2019, 4, 2001-2009.	5.9	26
36	Hypoxia-induced ZEB1 promotes cervical cancer progression via CCL8-dependent tumour-associated macrophage recruitment. <i>Cell Death and Disease</i> , 2019, 10, 508.	2.7	90

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37	Sustained maternal inflammation during the early third-trimester yields intrauterine growth restriction, impaired skeletal muscle glucose metabolism, and diminished β^2 -cell function in fetal sheep ^{1,2} . <i>Journal of Animal Science</i> , 2019, 97, 4822-4833.	0.2	21
38	Immunobiology and application of toll-like receptor 4 agonists to augment host resistance to infection. <i>Pharmacological Research</i> , 2019, 150, 104502.	3.1	34
39	Resolution metabolomes activated by hypoxic environment. <i>Science Advances</i> , 2019, 5, eaax4895.	4.7	50
40	<i>Leishmania</i> Infection Induces Macrophage Vascular Endothelial Growth Factor A Production in an ARNT/HIF-Dependent Manner. <i>Infection and Immunity</i> , 2019, 87, .	1.0	14
41	Pressure regulates immune-cell function. <i>Nature</i> , 2019, 573, 41-42.	13.7	7
42	Hypoxia and reprogramming of host pathogen interactions. <i>Current Opinion in Physiology</i> , 2019, 7, 15-20.	0.9	11
43	In vivo validation of a miniaturized electrochemical oxygen sensor for measuring intestinal oxygen tension. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, G242-G252.	1.6	16
44	Compliant substratum modulates vinculin expression in focal adhesion plaques in skeletal cells. <i>International Journal of Oral Science</i> , 2019, 11, 18.	3.6	32
45	Neutrophil Recruitment: From Model Systems to Tissue-Specific Patterns. <i>Trends in Immunology</i> , 2019, 40, 613-634.	2.9	85
46	Oxygen-enhanced MRI Is Feasible, Repeatable, and Detects Radiotherapy-induced Change in Hypoxia in Xenograft Models and in Patients with Non-small Cell Lung Cancer. <i>Clinical Cancer Research</i> , 2019, 25, 3818-3829.	3.2	51
47	Regulation of CD11b by HIF-1 α and the STAT3 signaling pathway contributes to the immunosuppressive function of B cells in inflammatory bowel disease. <i>Molecular Immunology</i> , 2019, 111, 162-171.	1.0	28
48	Inflammation research sails through the sea of immunology to reach immunometabolism. <i>International Immunopharmacology</i> , 2019, 73, 128-145.	1.7	27
49	Butyrate Protects Mice from <i>Clostridium difficile</i> -Induced Colitis through an HIF-1-Dependent Mechanism. <i>Cell Reports</i> , 2019, 27, 750-761.e7.	2.9	212
50	Hypoxia-inducible factors in CD4 ⁺ T cells promote metabolism, switch cytokine secretion, and T cell help in humoral immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8975-8984.	3.3	100
51	The pro-angiogenic role of hypoxia inducible factor stabilizer FG-4592 and its application in an in vivo tissue engineering chamber model. <i>Scientific Reports</i> , 2019, 9, 6035.	1.6	23
52	Inflammatory consequences of inherited disorders affecting neutrophil function. <i>Blood</i> , 2019, 133, 2130-2139.	0.6	49
53	Limitation of TCA Cycle Intermediates Represents an Oxygen-Independent Nutritional Antibacterial Effector Mechanism of Macrophages. <i>Cell Reports</i> , 2019, 26, 3502-3510.e6.	2.9	29
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55	Identification of hub genes in chronically hypoxic myocardium using bioinformatics analysis. <i>Molecular Medicine Reports</i> , 2019, 19, 3871-3881.	1.1	1
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58	Vitamin D/VDR signaling inhibits LPS-induced IFN γ and IL-1 β in Oral epithelia by regulating hypoxia-inducible factor-1 α signaling pathway. <i>Cell Communication and Signaling</i> , 2019, 17, 18.	2.7	39
59	Cyclooxygenase-2 in Endometriosis. <i>International Journal of Biological Sciences</i> , 2019, 15, 2783-2797.	2.6	65
61	Now a Nobel gas: oxygen. <i>Pflugers Archiv European Journal of Physiology</i> , 2019, 471, 1343-1358.	1.3	39
62	Metabolic immunomodulation of macrophage functional plasticity in nonhealing wounds. <i>Current Opinion in Infectious Diseases</i> , 2019, 32, 204-209.	1.3	14
63	Oxygenation of the Transplanted Kidney. <i>Seminars in Nephrology</i> , 2019, 39, 554-566.	0.6	14
64	The reciprocal regulation between host tissue and immune cells in pancreatic ductal adenocarcinoma: new insights and therapeutic implications. <i>Molecular Cancer</i> , 2019, 18, 184.	7.9	54
65	Hypoxia Inducible Factor 1 α Inhibits the Expression of Immunosuppressive Tryptophan-2,3-Dioxygenase in Glioblastoma. <i>Frontiers in Immunology</i> , 2019, 10, 2762.	2.2	22
66	Radioprotective Activity and Preliminary Mechanisms of N-oxalyl-d-phenylalanine (NOFD) In Vitro. <i>International Journal of Molecular Sciences</i> , 2019, 20, 37.	1.8	5
67	Control and dysregulation of redox signalling in the gastrointestinal tract. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2019, 16, 106-120.	8.2	118
68	Immunometabolism: Another Road to Sepsis and Its Therapeutic Targeting. <i>Inflammation</i> , 2019, 42, 765-788.	1.7	40
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70	Mechanisms and Consequences of Oxygen and Carbon Dioxide Sensing in Mammals. <i>Physiological Reviews</i> , 2020, 100, 463-488.	13.1	75
71	MiRNA-210 induces microglial activation and regulates microglia-mediated neuroinflammation in neonatal hypoxic-ischemic encephalopathy. <i>Cellular and Molecular Immunology</i> , 2020, 17, 976-991.	4.8	95
72	Postmortem Cortical Transcriptomics of Lewy Body Dementia Reveal Mitochondrial Dysfunction and Lack of Neuroinflammation. <i>American Journal of Geriatric Psychiatry</i> , 2020, 28, 75-86.	0.6	38
73	HIF hydroxylase inhibitors decrease cellular oxygen consumption depending on their selectivity. <i>FASEB Journal</i> , 2020, 34, 2344-2358.	0.2	26

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74	Dynamic responses of the haematopoietic stem cell niche to diverse stresses. <i>Nature Cell Biology</i> , 2020, 22, 7-17.	4.6	86
75	Nanoparticles-mediated reoxygenation strategy relieves tumor hypoxia for enhanced cancer therapy. <i>Journal of Controlled Release</i> , 2020, 319, 25-45.	4.8	80
76	Adaptation to inflammatory acidity through neutrophil-derived adenosine regulation of SLC26A3. <i>Mucosal Immunology</i> , 2020, 13, 230-244.	2.7	17
77	Possible Contribution of Inflammation-Associated Hypoxia to Increased K2P5.1 K ⁺ Channel Expression in CD4 ⁺ T Cells of the Mouse Model for Inflammatory Bowel Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 38.	1.8	6
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79	Transcriptomic Changes in Young Japanese Males After Exposure to Acute Hypobaric Hypoxia. <i>Frontiers in Genetics</i> , 2020, 11, 559074.	1.1	8
80	Prolonged exposure to hypoxia inhibits the growth of Pacific abalone by modulating innate immunity and oxidative status. <i>Aquatic Toxicology</i> , 2020, 227, 105596.	1.9	14
81	HIF-1 α Modulates Core Metabolism and Virus Replication in Primary Airway Epithelial Cells Infected with Respiratory Syncytial Virus. <i>Viruses</i> , 2020, 12, 1088.	1.5	26
82	Implications of cellular metabolism for immune cell migration. <i>Immunology</i> , 2020, 161, 200-208.	2.0	14
83	Changes in physiology and immune system during pregnancy and coronavirus infection: A review. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2020, 255, 124-128.	0.5	22
84	Bioresponsive drug delivery systems for the treatment of inflammatory diseases. <i>Journal of Controlled Release</i> , 2020, 327, 641-666.	4.8	97
85	Hypoxia in chronic kidney disease: towards a paradigm shift?. <i>Nephrology Dialysis Transplantation</i> , 2021, 36, 1782-1790.	0.4	22
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87	Hypoxia Shapes Autophagy in LPS-Activated Dendritic Cells. <i>Frontiers in Immunology</i> , 2020, 11, 573646.	2.2	17
88	Hypoxia and HIF Signaling: One Axis with Divergent Effects. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5611.	1.8	98
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95	Tailoring precision immunotherapy: coming to a clinic soon?. <i>ESMO Open</i> , 2020, 5, e000631.	2.0	8
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108	Reprogramming Tumor Associated Macrophages toward M1 Phenotypes with Nanomedicine for Anticancer Immunotherapy. <i>Advanced Therapeutics</i> , 2020, 3, 1900181.	1.6	31
109	Pathway paradigms revealed from the genetics of inflammatory bowel disease. <i>Nature</i> , 2020, 578, 527-539.	13.7	408

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113	Substance P participates in periodontitis by upregulating HIF-1 and RANKL/OPG ratio. <i>BMC Oral Health</i> , 2020, 20, 27.	0.8	31
114	Hypoxia and Innate Immunity: Keeping Up with the HIFsters. <i>Annual Review of Immunology</i> , 2020, 38, 341-363.	9.5	105
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116	HIF-1 ² Positively Regulates NF- κ B Activity via Direct Control of TRAF6. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3000.	1.8	12
117	Resolution of Inflammation and Gut Repair in IBD: Translational Steps Towards Complete Mucosal Healing. <i>Inflammatory Bowel Diseases</i> , 2020, 26, 1131-1143.	0.9	47
118	Potential Molecular Mechanisms of Zhibai Dihuang Wan in Systemic Lupus Erythematosus Based on Network Biology. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-10.	0.5	1
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127	Gut Microbiota in Intestinal and Liver Disease. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2021, 16, 251-275.	9.6	64

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148	Hypoxia/HIF Modulates Immune Responses. Biomedicines, 2021, 9, 260.	1.4	40
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153	Transcriptional modulation patterns of abalone Haliotis discus hannai hypoxia inducible factor-1 β (HIF-1 β) in interdependent crosstalk between hypoxia, infection, and environmental stresses. Aquaculture Reports, 2021, 19, 100566.	0.7	3
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