

Oxygen Sensing, Hypoxia-Inducible Factors, and Disease

Annual Review of Pathology: Mechanisms of Disease
9, 47-71

DOI: [10.1146/annurev-pathol-012513-104720](https://doi.org/10.1146/annurev-pathol-012513-104720)

Citation Report

#	ARTICLE	IF	CITATIONS
1	The impact of hypoxia in pancreatic cancer invasion and metastasis. Hypoxia (Auckland, N Z), 2014, 2, 91.	1.9	58
2	Hypoxia inducible factor-1 alpha as a therapeutic target in multiple myeloma. Oncotarget, 2014, 5, 1779-1792.	1.8	53
3	Roles of adrenomedullin and hypoxia-inducible factor 1 alpha in patients with varicocele. Andrologia, 2014, 47, n/a-n/a.	2.1	18
4	Live and Let Die: Targeting Alveolar Epithelial Cell Proliferation in Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 1339-1341.	5.6	5
5	Human Rhomboid Family-1 Suppresses Oxygen-Independent Degradation of Hypoxia-Inducible Factor-1 α in Breast Cancer. Cancer Research, 2014, 74, 2719-2730.	0.9	40
6	Hypoxic conditions stimulate the release of Bâ€¢type natriuretic peptide from human retinal pigment epithelium cell culture. Acta Ophthalmologica, 2014, 92, 740-744.	1.1	6
7	Melittin enhances radiosensitivity of hypoxic head and neck squamous cell carcinoma by suppressing HIF-1 α . Tumor Biology, 2014, 35, 10443-10448.	1.8	28
8	Antioxidant and Protective Mechanisms against Hypoxia and Hypoglycaemia in Cortical Neurons in Vitro. International Journal of Molecular Sciences, 2014, 15, 2475-2493.	4.1	12
9	Network-based association of hypoxia-responsive genes with cardiovascular diseases. New Journal of Physics, 2014, 16, 105014.	2.9	14
10	Advances in understanding the mechanism of zebrafish heart regeneration. Stem Cell Research, 2014, 13, 542-555.	0.7	48
11	Down-regulation of hypoxia-inducible factor-1 alpha and vascular endothelial growth factor by HEXIM1 attenuates myocardial angiogenesis in hypoxic mice. Biochemical and Biophysical Research Communications, 2014, 453, 600-605.	2.1	5
12	Hypoxia-inducible factors are required for chemotherapy resistance of breast cancer stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5429-38.	7.1	419
13	Hypoxia Induces Dysregulation of Lipid Metabolism in HepG2 Cells via Activation of HIF-2 α . Cellular Physiology and Biochemistry, 2014, 34, 1427-1441.	1.6	33
14	Chromatin and oxygen sensing in the context of JmjC histone demethylases. Biochemical Journal, 2014, 462, 385-395.	3.7	85
15	MicroRNA-382 induced by HIF-1 α is an angiogenic miR targeting the tumor suppressor phosphatase and tensin homolog. Nucleic Acids Research, 2014, 42, 8062-8072.	14.5	119
16	Investigating the contribution of the active site environment to the slow reaction of hypoxia-inducible factor prolyl hydroxylase domain 2 with oxygen. Biochemical Journal, 2014, 463, 363-372.	3.7	41
17	Regulation of pyruvate metabolism and human disease. Cellular and Molecular Life Sciences, 2014, 71, 2577-2604.	5.4	587
18	Nonalcoholic fatty pancreatic disease and cardio-metabolic risk: is there is a place for obstructive sleep apnea?. Cardiovascular Diabetology, 2014, 13, 29.	6.8	13

#	ARTICLE	IF	CITATIONS
19	Hypoxia and the extracellular matrix: drivers of tumour metastasis. <i>Nature Reviews Cancer</i> , 2014, 14, 430-439.	28.4	1,110
20	Antiangiogenesis Strategies Revisited: From Starving Tumors to Alleviating Hypoxia. <i>Cancer Cell</i> , 2014, 26, 605-622.	16.8	1,184
21	Activation of HIF-1 α does not increase intestinal tumorigenesis. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, G187-G195.	3.4	42
22	The Hypoxia-Inducible Epigenetic Regulators Jmjd1a and G9a Provide a Mechanistic Link between Angiogenesis and Tumor Growth. <i>Molecular and Cellular Biology</i> , 2014, 34, 3702-3720.	2.3	47
23	HIF Transcription Factors, Inflammation, and Immunity. <i>Immunity</i> , 2014, 41, 518-528.	14.3	880
24	Imidazole-based alkaloid derivative LCB-54 suppresses ocular angiogenesis and lymphangiogenesis in models of experimental retinopathy and corneal neovascularization. <i>British Journal of Pharmacology</i> , 2015, 172, 3875-3889.	5.4	9
25	IER3 Promotes Expansion of Adipose Progenitor Cells in Response to Changes in Distinct Microenvironmental Effectors. <i>Stem Cells</i> , 2015, 33, 2564-2573.	3.2	5
26	Hypoxia signalling and regulation in chemosensory behaviour of <i>Caenorhabditis elegans</i> . <i>Bioscience Horizons</i> , 2015, 8, hzv003-hzv003.	0.6	1
27	Metalloproteinases and neurodegenerative diseases: pathophysiological and therapeutic perspectives. <i>Metalloproteinases in Medicine</i> , 0, , 39.	1.0	11
28	Hypoxia-inducible factor-1 α induces multidrug resistance protein in colon cancer. <i>OncoTargets and Therapy</i> , 2015, 8, 1941.	2.0	70
29	Kalkitoxin Inhibits Angiogenesis, Disrupts Cellular Hypoxic Signaling, and Blocks Mitochondrial Electron Transport in Tumor Cells. <i>Marine Drugs</i> , 2015, 13, 1552-1568.	4.6	44
30	Hypoxia: from basic mechanisms to therapeutics – a meeting report on the Keystone and HypoxiaNet Symposium. <i>Hypoxia (Auckland, N Z)</i> , 2015, 3, 67.	1.9	2
31	Remodeling Components of the Tumor Microenvironment to Enhance Cancer Therapy. <i>Frontiers in Oncology</i> , 2015, 5, 214.	2.8	96
32	Hypoxia-Inducible Factor as an Angiogenic Master Switch. <i>Frontiers in Pediatrics</i> , 2015, 3, 33.	1.9	167
33	The Crosstalk between Hypoxia and Innate Immunity in the Development of Obesity-Related Nonalcoholic Fatty Liver Disease. <i>BioMed Research International</i> , 2015, 2015, 1-8.	1.9	15
34	Metabolic control of type 1 regulatory T cell differentiation by AHR and HIF1 α . <i>Nature Medicine</i> , 2015, 21, 638-646.	30.7	374
35	Anaemia in kidney disease: harnessing hypoxia responses for therapy. <i>Nature Reviews Nephrology</i> , 2015, 11, 394-410.	9.6	235
36	Oxygen and glucose deprivation induces widespread alterations in mRNA translation within 20 minutes. <i>Genome Biology</i> , 2015, 16, 90.	8.8	110

#	ARTICLE	IF	CITATIONS
37	Hyperplasia of pulmonary neuroendocrine cells in infancy and childhood. <i>Seminars in Diagnostic Pathology</i> , 2015, 32, 420-437.	1.5	42
38	Hif-1 \pm and Hif-2 \pm synergize to suppress AML development but are dispensable for disease maintenance. <i>Journal of Experimental Medicine</i> , 2015, 212, 2223-2234.	8.5	65
39	Sampangine (a Copyrine Alkaloid) Exerts Biological Activities through Cellular Redox Cycling of Its Quinone and Semiquinone Intermediates. <i>Journal of Natural Products</i> , 2015, 78, 3018-3023.	3.0	9
40	Imaging of oxygen gradients in giant umbrella cells: an ex vivo PLIM study. <i>American Journal of Physiology - Cell Physiology</i> , 2015, 309, C501-C509.	4.6	20
41	Regulation of cell proliferation by hypoxia-inducible factors. <i>American Journal of Physiology - Cell Physiology</i> , 2015, 309, C775-C782.	4.6	209
42	A microfluidic system for studying the behavior of zebrafish larvae under acute hypoxia. <i>Lab on A Chip</i> , 2015, 15, 857-866.	6.0	35
43	Tumors: Wounds That Do Not Healâ€”Redux. <i>Cancer Immunology Research</i> , 2015, 3, 1-11.	3.4	465
44	HIGD1A Regulates Oxygen Consumption, ROS Production, and AMPK Activity during Glucose Deprivation to Modulate Cell Survival and Tumor Growth. <i>Cell Reports</i> , 2015, 10, 891-899.	6.4	79
45	Functional regulation of hypoxia inducible factor-1 \pm by SET9 lysine methyltransferase. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 881-891.	4.1	26
46	Teaching the basics of autophagy and mitophagy to redox biologistsâ€”Mechanisms and experimental approaches. <i>Redox Biology</i> , 2015, 4, 242-259.	9.0	103
47	Defining the phenotype of young healthy nucleus pulposus cells: Recommendations of the Spine Research Interest Group at the 2014 annual ORS meeting. <i>Journal of Orthopaedic Research</i> , 2015, 33, 283-293.	2.3	226
48	Vascular-Promoting Therapy Reduced Tumor Growth and Progression by Improving Chemotherapy Efficacy. <i>Cancer Cell</i> , 2015, 27, 7-9.	16.8	30
49	MicroRNA-687 Induced by Hypoxia-Inducible Factor-1 Targets Phosphatase and Tensin Homolog in Renal Ischemia-Reperfusion Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 1588-1596.	6.1	96
50	Cellular Energy Metabolism in T-Lymphocytes. <i>International Reviews of Immunology</i> , 2015, 34, 34-49.	3.3	21
51	The role of inflammation in hypoxic pulmonary hypertension: from cellular mechanisms to clinical phenotypes. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 308, L229-L252.	2.9	158
52	Metabolic and hypoxic adaptation to antiâ€”angiogenic therapy: a target for induced essentiality. <i>EMBO Molecular Medicine</i> , 2015, 7, 368-379.	6.9	136
53	Hypoxia-Induced Neuroinflammatory White-Matter Injury Reduced by Minocycline in SHR/SP. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1145-1153.	4.3	87
54	The hypoxia signaling pathway and hypoxic adaptation in fishes. <i>Science China Life Sciences</i> , 2015, 58, 148-155.	4.9	118

#	ARTICLE	IF	CITATIONS
55	Immune Response Regulation in the Tumor Microenvironment by Hypoxia. <i>Seminars in Oncology</i> , 2015, 42, 378-386.	2.2	121
56	MicroRNA-26a induced by hypoxia targets HDAC6 in myogenic differentiation of embryonic stem cells. <i>Nucleic Acids Research</i> , 2015, 43, 2057-2073.	14.5	40
57	HIF-driven SF3B1 induces KHK-C to enforce fructolysis and heart disease. <i>Nature</i> , 2015, 522, 444-449.	27.8	144
58	The Cancer Cell Oxygen Sensor PHD2 Promotes Metastasis via Activation of Cancer-Associated Fibroblasts. <i>Cell Reports</i> , 2015, 12, 992-1005.	6.4	66
59	Clinical significance of hypoxia-inducible factor 1 and VEGF-A in osteosarcoma. <i>International Journal of Clinical Oncology</i> , 2015, 20, 1233-1243.	2.2	30
60	Unsaturated fatty acids as high-affinity ligands of the C-terminal Per-ARNT-Sim domain from the Hypoxia-inducible factor 3 β . <i>Scientific Reports</i> , 2015, 5, 12698.	3.3	17
61	Increased Serine-Arginine (SR) Protein Phosphorylation Changes Pre-mRNA Splicing in Hypoxia. <i>Journal of Biological Chemistry</i> , 2015, 290, 18079-18089.	3.4	43
62	Novel Genes Critical for Hypoxic Preconditioning in Zebrafish Are Regulators of Insulin and Glucose Metabolism. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 1107-1116.	1.8	25
63	HIF Hydroxylase Pathways in Cardiovascular Physiology and Medicine. <i>Circulation Research</i> , 2015, 117, 65-79.	4.5	132
64	The Redox Code. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 734-746.	5.4	474
65	Hypoxia-inducible factors and hypertension: lessons from sleep apnea syndrome. <i>Journal of Molecular Medicine</i> , 2015, 93, 473-480.	3.9	43
66	Neutrophils and inflammatory metabolism in antimicrobial functions of the mucosa. <i>Journal of Leukocyte Biology</i> , 2015, 98, 517-522.	3.3	25
67	Tumor chemosensitization by physical exercise? Insights from an animal model. <i>Future Oncology</i> , 2015, 11, 885-887.	2.4	2
68	Translational Activation of HIF1 β by YB-1 Promotes Sarcoma Metastasis. <i>Cancer Cell</i> , 2015, 27, 682-697.	16.8	226
69	Epigenetic regulation by histone demethylases in hypoxia. <i>Epigenomics</i> , 2015, 7, 791-811.	2.1	124
70	Synthesis and Biological Evaluation of Manassantin Analogues for Hypoxia-Inducible Factor 1 β Inhibition. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 7659-7671.	6.4	19
71	Exploring the HIFs, buts and maybes of hypoxia signalling in disease: lessons from zebrafish models. <i>DMM Disease Models and Mechanisms</i> , 2015, 8, 1349-1360.	2.4	57
72	Endothelial Hypoxia-Inducible Factor-1 β Promotes Atherosclerosis and Monocyte Recruitment by Upregulating MicroRNA-19a. <i>Hypertension</i> , 2015, 66, 1220-1226.	2.7	128

#	ARTICLE	IF	CITATIONS
73	The action of HIF-3 \pm variants on HIF-2 \pm â€“HIF-1 \pm heterodimer formation is directly probed in live cells. <i>Experimental Cell Research</i> , 2015, 336, 329-337.	2.6	8
74	Hypoxia inducible factor single nucleotide polymorphisms: exploring the role of <scp>HIF</scp> polymorphisms in retinal disease. <i>Clinical and Experimental Ophthalmology</i> , 2015, 43, 1-2.	2.6	1
75	Metabolism and epigenetics in the nervous system: Creating cellular fitness and resistance to neuronal death in neurological conditions via modulation of oxygen-, iron-, and 2-oxoglutarate-dependent dioxygenases. <i>Brain Research</i> , 2015, 1628, 273-287.	2.2	18
76	Structure Elucidation of Verucopeptin, a HIF-1 Inhibitory Polyketideâ€“Hexapeptide Hybrid Metabolite from an Actinomycete. <i>Organic Letters</i> , 2015, 17, 5364-5367.	4.6	20
77	Hypoxia-inducible factors regulate T cell metabolism and function. <i>Molecular Immunology</i> , 2015, 68, 527-535.	2.2	66
78	Hypoxia-Induced WSB1 Promotes the Metastatic Potential of Osteosarcoma Cells. <i>Cancer Research</i> , 2015, 75, 4839-4851.	0.9	62
79	Genetic selection by high altitude: Beware of experiments at ambient conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10080-10081.	7.1	3
80	Cellular sensing and transport of metal ions: implications in micronutrient homeostasis. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 1103-1115.	4.2	46
81	Repression of hypoxia-inducible factor 1 \pm signaling by Set7-mediated methylation. <i>Nucleic Acids Research</i> , 2015, 43, 5081-5098.	14.5	86
82	Regulation of skeletal muscle capillary growth in exercise and disease. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015, 40, 1221-1232.	1.9	33
83	Loss of Siah2 does not impact angiogenic potential of murine endothelial cells. <i>Microvascular Research</i> , 2015, 102, 38-45.	2.5	0
84	Genome-wide identification of hypoxia-inducible factor-1 and -2 binding sites in hypoxic human macrophages alternatively activated by IL-10. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2015, 1849, 10-22.	1.9	54
85	Structure and Function of the Bone Marrow Hematopoietic Niche. , 2016, , 400-406.		1
86	PHD2: from hypoxia regulation to disease progression. <i>Hypoxia (Auckland, N Z)</i> , 2016, 4, 53.	1.9	60
87	Expression Pattern of HIF-1 \pm and VEGF Supports Circumferential Application of Scatter Laser for Proliferative Sickle Retinopathy. , 2016, 57, 6739.		28
88	The Effects of Hypoxia and Inflammation on Synaptic Signaling in the CNS. <i>Brain Sciences</i> , 2016, 6, 6.	2.3	95
89	Tumor refractoriness to anti-VEGF therapy. <i>Oncotarget</i> , 2016, 7, 46668-46677.	1.8	81
90	MicroRNA-421 regulated by HIF-1 \pm promotes metastasis, inhibits apoptosis, and induces cisplatin resistance by targeting E-cadherin and caspase-3 in gastric cancer. <i>Oncotarget</i> , 2016, 7, 24466-24482.	1.8	103

#	ARTICLE	IF	CITATIONS
91	Oxygen signaling: Call for papers. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R948-R948.	1.8	0
92	The Response of Macrophages and Neutrophils to Hypoxia in the Context of Cancer and Other Inflammatory Diseases. Mediators of Inflammation, 2016, 2016, 1-10.	3.0	61
93	Identification of non-coding genetic variants in samples from hypoxemic respiratory disease patients that affect the transcriptional response to hypoxia. Nucleic Acids Research, 2016, 44, gkw811.	14.5	8
94	The 2-oxoglutarate analog 3-oxoglutarate decreases normoxic hypoxia-inducible factor-1 α ; in cancer cells, induces cell death, and reduces tumor xenograft growth. Hypoxia (Auckland, N Z), 2016, 4, 15.	1.9	7
95	Overcoming Hypoxia-Mediated Tumor Progression: Combinatorial Approaches Targeting pH Regulation, Angiogenesis and Immune Dysfunction. Frontiers in Cell and Developmental Biology, 2016, 4, 27.	3.7	107
96	Septins: Regulators of Protein Stability. Frontiers in Cell and Developmental Biology, 2016, 4, 143.	3.7	6
97	Hyperplasia and hypertrophy of pulmonary neuroepithelial bodies, presumed airway hypoxia sensors, in hypoxia-inducible factor prolyl hydroxylase-deficient mice. Hypoxia (Auckland, N Z), 2016, 4, 69.	1.9	11
98	Radioprotective Agents: Strategies and Translational Advances. Medicinal Research Reviews, 2016, 36, 461-493.	10.5	102
99	Programming of maternal and offspring disease: impact of growth restriction, fetal sex and transmission across generations. Journal of Physiology, 2016, 594, 4727-4740.	2.9	112
100	Cellular Hypoxia Promotes Heterotopic Ossification by Amplifying BMP Signaling. Journal of Bone and Mineral Research, 2016, 31, 1652-1665.	2.8	110
101	Rapid fluorescence detection of hypoxic microenvironments by nitro-benzyl conjugated chitosan nanoparticles encapsulating hydrophobic fluorophores. Journal of Materials Chemistry B, 2016, 4, 4832-4838.	5.8	4
102	Neutrophils and tissue damage: is hypoxia the key to excessive degranulation?. Thorax, 2016, 71, 977-978.	5.6	4
104	EphrinB2 repression through ZEB2 mediates tumour invasion and anti-angiogenic resistance. Nature Communications, 2016, 7, 12329.	12.8	57
105	A genetically encoded biosensor for visualizing hypoxia responses <i>in vivo</i> . Biology Open, 2017, 6, 296-304.	1.2	23
106	The hypoxic microenvironment: A determinant of cancer stem cell evolution. BioEssays, 2016, 38, S65-74.	2.5	164
107	Hypoxia-inducible factor prolyl hydroxylase 1 (PHD1) deficiency promotes hepatic steatosis and liver-specific insulin resistance in mice. Scientific Reports, 2016, 6, 24618.	3.3	28
108	The ever-expanding role of HIF in tumour and stromal biology. Nature Cell Biology, 2016, 18, 356-365.	10.3	337
109	Regulation of the T Cell Response by CD39. Trends in Immunology, 2016, 37, 427-439.	6.8	157

#	ARTICLE	IF	CITATIONS
110	Hematopoietic Stem Cell Niche in Health and Disease. Annual Review of Pathology: Mechanisms of Disease, 2016, 11, 555-581.	22.4	129
111	Metabolic remodeling in early development and cardiomyocyte maturation. Seminars in Cell and Developmental Biology, 2016, 52, 84-92.	5.0	62
112	Expression of prolyl hydroxylases 2 and 3 in chick embryos. Gene Expression Patterns, 2016, 21, 97-102.	0.8	2
113	Amelioration of ER stress by 4-phenylbutyric acid reduces chronic hypoxia induced cardiac damage and improves hypoxic tolerance through upregulation of HIF-1 α . Vascular Pharmacology, 2016, 83, 36-46.	2.1	19
114	Hypoxia-regulated mechanisms in the pathogenesis of obesity and non-alcoholic fatty liver disease. Cellular and Molecular Life Sciences, 2016, 73, 3419-3431.	5.4	50
116	Renoprotective approaches and strategies in acute kidney injury. , 2016, 163, 58-73.		88
117	Oxygen sensing by the carotid body: mechanisms and role in adaptation to hypoxia. American Journal of Physiology - Cell Physiology, 2016, 310, C629-C642.	4.6	99
118	MicroRNA-682-mediated downregulation of PTEN in intestinal epithelial cells ameliorates intestinal ischemiaâ€“reperfusion injury. Cell Death and Disease, 2016, 7, e2210-e2210.	6.3	30
119	Chemokines, cytokines and exosomes help tumors to shape inflammatory microenvironment. , 2016, 168, 98-112.		95
120	Regulation of myogenesis and skeletal muscle regeneration: effects of oxygen levels on satellite cell activity. FASEB Journal, 2016, 30, 3929-3941.	0.5	62
121	Hypoxia Positively Regulates the Expression of pH-Sensing G-Proteinâ€“Coupled Receptor OGR1 (GPR68). Cellular and Molecular Gastroenterology and Hepatology, 2016, 2, 796-810.	4.5	34
122	The hypoxia-inducible factor (HIF) couples immunity with metabolism. Seminars in Immunology, 2016, 28, 469-477.	5.6	45
123	Reengineering the Tumor Microenvironment to Alleviate Hypoxia and Overcome Cancer Heterogeneity. Cold Spring Harbor Perspectives in Medicine, 2016, 6, a027094.	6.2	119
124	Rodent Models of Vascular Cognitive Impairment. Translational Stroke Research, 2016, 7, 407-414.	4.2	76
125	The hypoxic microenvironment: A determinant of cancer stem cell evolution. Inside the Cell, 2016, 1, 96-105.	0.4	7
126	Unique Aspects of the Developing Lung Circulation: Structural Development and Regulation of Vasomotor Tone. Pulmonary Circulation, 2016, 6, 407-425.	1.7	39
127	Clinical significance of T cell metabolic reprogramming in cancer. Clinical and Translational Medicine, 2016, 5, 29.	4.0	69
128	SUMO Signaling by Hypoxic Inactivation of SUMO-Specific Isopeptidases. Cell Reports, 2016, 16, 3075-3086.	6.4	36

#	ARTICLE	IF	CITATIONS
129	Vadadustat, a novel oral HIF stabilizer, provides effective anemia treatment in nondialysis-dependent chronic kidney disease. <i>Kidney International</i> , 2016, 90, 1115-1122.	5.2	187
130	KDM6B histone demethylase is an epigenetic regulator of estrogen receptor β expression in human pleural mesothelioma. <i>Epigenomics</i> , 2016, 8, 1227-1238.	2.1	15
131	Synthesis and Biological Evaluation of Iodoglucoazomycin (I α -GAZ), an Azomycin α -Glucose Adduct with Putative Applications in Diagnostic Imaging and Radiotherapy of Hypoxic Tumors. <i>ChemMedChem</i> , 2016, 11, 1638-1645.	3.2	4
132	Hypoxic inhibition of JMJD3 reduces H3K27me3 demethylation and induction of the STAT6 target gene CCL18. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016, 1859, 1490-1501.	1.9	5
133	Tumour suppressor death-associated protein kinase targets cytoplasmic HIF-1 β for Th17 suppression. <i>Nature Communications</i> , 2016, 7, 11904.	12.8	20
134	Protein kinase α -dependent phosphorylation stimulates the transcriptional activity of hypoxia-inducible factor 1. <i>Science Signaling</i> , 2016, 9, ra56.	3.6	76
135	Angiogenesis inhibitors as therapeutic agents in cancer: Challenges and future directions. <i>European Journal of Pharmacology</i> , 2016, 793, 76-81.	3.5	93
136	Anti-VEGF therapy induces ECM remodeling and mechanical barriers to therapy in colorectal cancer liver metastases. <i>Science Translational Medicine</i> , 2016, 8, 360ra135.	12.4	184
137	Interleukin α -mediated signaling in adrenal medullary chromaffin cells. <i>Journal of Neurochemistry</i> , 2016, 139, 1138-1150.	3.9	9
138	Novel Masters of Erythropoiesis: Hypoxia Inducible Factors and Recent Advances in Anemia of Renal Disease. <i>Blood Purification</i> , 2016, 42, 160-167.	1.8	16
139	Identification of Small α -Molecule PHD2 Zinc Finger Inhibitors that Activate Hypoxia Inducible Factor. <i>ChemBioChem</i> , 2016, 17, 2316-2323.	2.6	6
140	α HIF α 1 at the crossroads of hypoxia, inflammation, and cancer. <i>International Journal of Cancer</i> , 2016, 138, 1058-1066.	5.1	417
141	Methods: Using Three-Dimensional Culture (Spheroids) as an In Vitro Model of Tumour Hypoxia. <i>Advances in Experimental Medicine and Biology</i> , 2016, 899, 167-196.	1.6	49
142	ACRIN 6684: Assessment of Tumor Hypoxia in Newly Diagnosed Glioblastoma Using 18F-FMISO PET and MRI. <i>Clinical Cancer Research</i> , 2016, 22, 5079-5086.	7.0	99
143	Evofofamide, a new horizon in the treatment of pancreatic cancer. <i>Anti-Cancer Drugs</i> , 2016, 27, 723-725.	1.4	17
144	Aged garlic extract and S-allylcysteine prevent apoptotic cell death in a chemical hypoxia model. <i>Biological Research</i> , 2016, 49, 7.	3.4	22
145	Expression of hypoxia-inducible factor 3 β in hepatocellular carcinoma and its association with other hypoxia-inducible factors. <i>Experimental and Therapeutic Medicine</i> , 2016, 11, 2470-2476.	1.8	10
146	Differential transcriptional regulation of hypoxia-inducible factor-1 β by arsenite under normoxia and hypoxia: involvement of Nrf2. <i>Journal of Molecular Medicine</i> , 2016, 94, 1153-1166.	3.9	27

#	ARTICLE	IF	CITATIONS
147	Molecular mechanisms of hypoxia-inducible factor-induced pulmonary arterial smooth muscle cell alterations in pulmonary hypertension. <i>Journal of Physiology</i> , 2016, 594, 1167-1177.	2.9	57
148	Hypoxia inducible factor 1 α : A critical factor for the immune response to pathogens and <i>Leishmania</i> . <i>Cellular Immunology</i> , 2016, 309, 42-49.	3.0	18
149	Structural ECM components in the premetastatic and metastatic niche. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 310, C955-C967.	4.6	92
150	The tumour hypoxia induced non-coding transcriptome. <i>Molecular Aspects of Medicine</i> , 2016, 47-48, 35-53.	6.4	96
151	CA IX is upregulated in CoCl ₂ -induced hypoxia and associated with cell invasive potential and a poor prognosis of breast cancer. <i>International Journal of Oncology</i> , 2016, 48, 271-280.	3.3	32
152	The Hypoxic Response and Aging. , 2016, , 133-159.		0
153	HIF prolyl hydroxylase inhibitors for the treatment of renal anaemia and beyond. <i>Nature Reviews Nephrology</i> , 2016, 12, 157-168.	9.6	234
154	MicroRNA-489 Induction by Hypoxia-inducible Factor-1 Protects against Ischemic Kidney Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 2784-2796.	6.1	75
155	Synergistic Inhibitory Effects of Hypoxia and Iron Deficiency on Hepatic Glucose Response in Mouse Liver. <i>Diabetes</i> , 2016, 65, 1521-1533.	0.6	13
156	Disturbed hypoxic responses as a pathogenic mechanism of diabetic foot ulcers. <i>Diabetes/Metabolism Research and Reviews</i> , 2016, 32, 179-185.	4.0	91
157	Tumor Microenvironment. , 2016, , 1-10.		1
158	Natural products-prompted chemical biology: phenotypic screening and a new platform for target identification. <i>Natural Product Reports</i> , 2016, 33, 648-654.	10.3	49
159	POINT: Does Low-Dose Oxygen Expose Patients With COPD to More Radiation-Like Risks Than Patients Without COPD? Yes. <i>Chest</i> , 2016, 149, 303-306.	0.8	2
160	Systemic Reprogramming of Translation Efficiencies on Oxygen Stimulus. <i>Cell Reports</i> , 2016, 14, 1293-1300.	6.4	73
161	PIAS3 enhances the transcriptional activity of HIF-1 α by increasing its protein stability. <i>Biochemical and Biophysical Research Communications</i> , 2016, 469, 470-476.	2.1	9
162	Oxygen-sensing by arterial chemoreceptors: Mechanisms and medical translation. <i>Molecular Aspects of Medicine</i> , 2016, 47-48, 90-108.	6.4	50
163	Impairment of hypoxia-induced HIF-1 α signaling in keratinocytes and fibroblasts by sulfur mustard is counteracted by a selective PHD-2 inhibitor. <i>Archives of Toxicology</i> , 2016, 90, 1141-1150.	4.2	14
164	An HRE-Binding Py-Irn Polyamide Impairs Hypoxic Signaling in Tumors. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 608-617.	4.1	16

#	ARTICLE	IF	CITATIONS
165	The Dawning of a New Day in CKD Anemia Care?. Journal of the American Society of Nephrology: JASN, 2016, 27, 968-970.	6.1	13
166	Bcl-2 silencing attenuates hypoxia-induced apoptosis resistance in pulmonary microvascular endothelial cells. Apoptosis: an International Journal on Programmed Cell Death, 2016, 21, 69-84.	4.9	15
167	Regulation of carotid body oxygen sensing by hypoxia-inducible factors. Pflugers Archiv European Journal of Physiology, 2016, 468, 71-75.	2.8	43
168	Consensus statement for diagnosis of subcortical small vessel disease. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 6-25.	4.3	173
169	Normobaric Hyperoxia Extends Neuro- and Vaso-Protection of N-Acetylcysteine in Transient Focal Ischemia. Molecular Neurobiology, 2017, 54, 3418-3427.	4.0	24
170	Signaling pathways effecting crosstalk between cartilage and adjacent tissues. Seminars in Cell and Developmental Biology, 2017, 62, 16-33.	5.0	46
171	Mechanisms of metabolic memory and renal hypoxia as a therapeutic target in diabetic kidney disease. Journal of Diabetes Investigation, 2017, 8, 261-271.	2.4	37
172	Oxygen imaging of living cells and tissues using luminescent molecular probes. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2017, 30, 71-95.	11.6	98
173	Induction of dormancy in hypoxic human papillomavirus-positive cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E990-E998.	7.1	49
174	Metabolic zonation of the liver: The oxygen gradient revisited. Redox Biology, 2017, 11, 622-630.	9.0	350
175	Effect of hypoxia on human adipose-derived mesenchymal stem cells and its potential clinical applications. Cellular and Molecular Life Sciences, 2017, 74, 2587-2600.	5.4	60
176	Hypersensitive termination of the hypoxic response by a disordered protein switch. Nature, 2017, 543, 447-451.	27.8	140
177	Extracellular matrix inflammation in vascular cognitive impairment and dementia. Clinical Science, 2017, 131, 425-437.	4.3	134
178	Gain-of-function EGLN1 prolyl hydroxylase (PHD2 D4E:C127S) in combination with EPAS1 (HIF-2 α) polymorphism lowers hemoglobin concentration in Tibetan highlanders. Journal of Molecular Medicine, 2017, 95, 665-670.	3.9	52
179	ApAGP-fabricated silver nanoparticles induce amendment of murine macrophage polarization. Journal of Materials Chemistry B, 2017, 5, 3511-3520.	5.8	15
180	Hypoxia Causes Downregulation of Dicer in Hepatocellular Carcinoma, Which Is Required for Upregulation of Hypoxia-Inducible Factor 1 α and Epithelial-Mesenchymal Transition. Clinical Cancer Research, 2017, 23, 3896-3905.	7.0	33
181	Hypoxia-inducible microRNA-224 promotes the cell growth, migration and invasion by directly targeting RASSF8 in gastric cancer. Molecular Cancer, 2017, 16, 35.	19.2	105
182	Effects of hyperbaric oxygen treatment on gastric cancer cell line SGC7901. Biomedical Reports, 2017, 6, 475-479.	2.0	8

#	ARTICLE	IF	CITATIONS
183	Oxygen-sensitive regulation and neuroprotective effects of growth hormone-dependent growth factors during early postnatal development. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 312, R539-R548.	1.8	11
184	Redox signaling in acute oxygen sensing. Redox Biology, 2017, 12, 908-915.	9.0	35
185	Expression pattern and functional analysis of fundc1 in rare minnow (Gobiocypris rarus). Gene, 2017, 626, 149-157.	2.2	3
186	Therapeutic targeting of the HIF oxygen-sensing pathway: Lessons learned from clinical studies. Experimental Cell Research, 2017, 356, 160-165.	2.6	44
187	Anti-Angiogenic Cancer Therapy: Development of Resistance. , 2017, , 1-11.		0
188	Inflamed fat and mitochondrial dysfunction in end-stage renal disease links to hypoxia—could curcumin be of benefit?. Nephrology Dialysis Transplantation, 2017, 32, 909-912.	0.7	7
189	Endocrine targets of hypoxia-inducible factors. Journal of Endocrinology, 2017, 234, R53-R65.	2.6	13
190	Pathophysiology and therapeutics of premature ageing in chronic kidney disease, with a focus on glycativ stress. Clinical and Experimental Pharmacology and Physiology, 2017, 44, 70-77.	1.9	10
191	Matricellular protein thrombospondin-1 in pulmonary hypertension: multiple pathways to disease. Cardiovascular Research, 2017, 113, 858-868.	3.8	33
192	HIF- α prolyl hydroxylases as therapeutic targets in erythropoiesis and iron metabolism. Hemodialysis International, 2017, 21, S110-S124.	0.9	120
193	N^6 -methyladenosine is required for the hypoxic stabilization of specific mRNAs. Rna, 2017, 23, 1444-1455.	3.5	92
194	In vitro downregulated hypoxia transcriptome is associated with poor prognosis in breast cancer. Molecular Cancer, 2017, 16, 105.	19.2	33
195	VEGF A. , 2017, , 625-638.		0
196	Electron-shuttling antibiotics structure bacterial communities by modulating cellular levels of c-di-GMP. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5236-E5245.	7.1	82
197	Functional inhibition of acid sphingomyelinase by Fluphenazine triggers hypoxia-specific tumor cell death. Cell Death and Disease, 2017, 8, e2709-e2709.	6.3	30
198	Hypoxia induces H19 expression through direct and indirect Hif-1 α activity, promoting oncogenic effects in glioblastoma. Scientific Reports, 2017, 7, 45029.	3.3	100
199	Hypoxia induced cognitive impairment modulating activity of Cyperus rotundus. Physiology and Behavior, 2017, 175, 56-65.	2.1	20
200	HIF-1 in cancer therapy: two decade long story of a transcription factor. Acta Oncologica, 2017, 56, 503-515.	1.8	206

#	ARTICLE	IF	CITATIONS
201	The Cornerstone of the Aberrant Pathophysiology of Obstructive Sleep Apnea: Tissue Responses to Chronic Sustained Versus Intermittent Hypoxia. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 56, 419-420.	2.9	4
202	Roles of RUNX in Hypoxia-Induced Responses and Angiogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2017, 962, 449-469.	1.6	26
203	Nitrite-derived nitric oxide reduces hypoxia-inducible factor 1 α -mediated extracellular vesicle production by endothelial cells. <i>Nitric Oxide - Biology and Chemistry</i> , 2017, 63, 1-12.	2.7	26
204	The Activity of JmJc Histone Lysine Demethylase KDM4A is Highly Sensitive to Oxygen Concentrations. <i>ACS Chemical Biology</i> , 2017, 12, 1011-1019.	3.4	70
205	Dynamic contrast-enhanced MR imaging in predicting progression of enhancing lesions persisting after standard treatment in glioblastoma patients: a prospective study. <i>European Radiology</i> , 2017, 27, 3156-3166.	4.5	27
206	Endothelial HIF-2 α Contributes to Severe Pulmonary Hypertension by Inducing Endothelial-to-Mesenchymal Transition. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 314, ajplung.00096.2.	2.9	121
207	High-altitude adaptation in humans: from genomics to integrative physiology. <i>Journal of Molecular Medicine</i> , 2017, 95, 1269-1282.	3.9	76
208	A circadian clock gene, <i>PER2</i> , activates <i>HIF-1</i> as an effector molecule for recruitment of <i>HIF-1</i> to promoter regions of its downstream genes. <i>FEBS Journal</i> , 2017, 284, 3804-3816.	4.7	58
209	<i>Bacillus anthracis</i> Prolyl 4-Hydroxylase Interacts with and Modifies Elongation Factor Tu. <i>Biochemistry</i> , 2017, 56, 5771-5785.	2.5	9
210	Natural Selection on Genes Related to Cardiovascular Health in High-Altitude Adapted Andeans. <i>American Journal of Human Genetics</i> , 2017, 101, 752-767.	6.2	99
211	Knockdown of HIF-1 α inhibits the proliferation and migration of outer root sheath cells exposed to hypoxia in vitro: An involvement of Shh pathway. <i>Life Sciences</i> , 2017, 191, 82-89.	4.3	4
212	Re-evaluating functional landscape of the cardiovascular system during development. <i>Biology Open</i> , 2017, 6, 1756-1770.	1.2	6
213	Tet1 facilitates hypoxia tolerance by stabilizing the HIF-1 α proteins independent of its methylcytosine dioxygenase activity. <i>Nucleic Acids Research</i> , 2017, 45, 12700-12714.	14.5	32
214	Hypoxia-inducible factor prolyl-4-hydroxylation in FOXD1 lineage cells is essential for normal kidney development. <i>Kidney International</i> , 2017, 92, 1370-1383.	5.2	22
215	Cancer Stem Cells and Metastasis. <i>Progress in Molecular Biology and Translational Science</i> , 2017, 151, 137-176.	1.7	44
216	TCA cycle rewiring fosters metabolic adaptation to oxygen restriction in skeletal muscle from rodents and humans. <i>Scientific Reports</i> , 2017, 7, 9723.	3.3	35
217	HS-1793, a resveratrol analogue, downregulates the expression of hypoxia-induced HIF-1 and VEGF and inhibits tumor growth of human breast cancer cells in a nude mouse xenograft model. <i>International Journal of Oncology</i> , 2017, 51, 715-723.	3.3	33
218	Forkhead box O3 (FoxO3) regulates kidney tubular autophagy following urinary tract obstruction. <i>Journal of Biological Chemistry</i> , 2017, 292, 13774-13783.	3.4	38

#	ARTICLE	IF	CITATIONS
219	Oncogenic Activities of IDH1/2 Mutations: From Epigenetics to Cellular Signaling. Trends in Cell Biology, 2017, 27, 738-752.	7.9	99
220	MicroRNA-210 Targets Ten-Eleven Translocation Methylcytosine Dioxygenase 1 and Suppresses Pregnancy-Mediated Adaptation of Large Conductance Ca ²⁺ -Activated K ⁺ Channel Expression and Function in Ovine Uterine Arteries. Hypertension, 2017, 70, 601-612.	2.7	34
221	Matrix Metalloproteinases and Extracellular Matrix in the Central Nervous System. , 2017, , 291-295.		1
222	Exploring Heteroaryl-pyrazole Carboxylic Acids as Human Carbonic Anhydrase XII Inhibitors. ACS Medicinal Chemistry Letters, 2017, 8, 941-946.	2.8	23
223	Neutrophils as Components of Mucosal Homeostasis. Cellular and Molecular Gastroenterology and Hepatology, 2017, 4, 329-337.	4.5	31
224	Histone methylase MLL1 coordinates with HIF and regulate lncRNA HOTAIR expression under hypoxia. Gene, 2017, 629, 16-28.	2.2	40
225	Hypoxia-inducible factor 1 α participates in hypoxia-induced epithelial-mesenchymal transition via response gene to complement 32. Experimental and Therapeutic Medicine, 2017, 14, 1825-1831.	1.8	11
226	Cancer Cell Membraneâ€Biomimetic Oxygen Nanocarrier for Breaking Hypoxiaâ€Induced Chemoresistance. Advanced Functional Materials, 2017, 27, 1703197.	14.9	203
227	Interplay between environmentally modulated feedback loops â€“ hypoxia and circadian rhythms â€“ two sides of the same coin?. FEBS Journal, 2017, 284, 3801-3803.	4.7	6
228	Hypoxia: From Placental Development to Fetal Programming. Birth Defects Research, 2017, 109, 1377-1385.	1.5	67
229	Long noncoding RNA lncHIFCAR/MIR31HG is a HIF-1 α co-activator driving oral cancer progression. Nature Communications, 2017, 8, 15874.	12.8	165
230	Hypoxia Sensing in Plants: On a Quest for Ion Channels as Putative Oxygen Sensors. Plant and Cell Physiology, 2017, 58, 1126-1142.	3.1	55
231	Clinical and prognostic significance of HIF-1 α overexpression in oral squamous cell carcinoma: a meta-analysis. World Journal of Surgical Oncology, 2017, 15, 104.	1.9	40
232	Hypoxia inducible factor down-regulation, cancer and cancer stem cells (CSCs): ongoing success stories. MedChemComm, 2017, 8, 21-52.	3.4	19
233	The link between vascular dysfunction, bladder ischemia, and aging bladder dysfunction. Therapeutic Advances in Urology, 2017, 9, 11-27.	2.0	94
234	Erythropoietin and Nonhematopoietic Effects. American Journal of the Medical Sciences, 2017, 353, 76-81.	1.1	62
235	Macrophage NOS2 in Tumor Leukocytes. Antioxidants and Redox Signaling, 2017, 26, 1023-1043.	5.4	17
236	Hypometabolism as the ultimate defence in stress response: how the comparative approach helps understanding of medically relevant questions. Acta Physiologica, 2017, 219, 409-440.	3.8	33

#	ARTICLE	IF	CITATIONS
237	Induction of microRNA-17-5p by p53 protects against renal ischemia-reperfusion injury by targeting death receptor 6. <i>Kidney International</i> , 2017, 91, 106-118.	5.2	69
238	Renal Hypoxia in CKD; Pathophysiology and Detecting Methods. <i>Frontiers in Physiology</i> , 2017, 8, 99.	2.8	73
239	Mitochondria, Thiamine, and Autonomic Dysfunction. , 2017, , 59-103.		0
240	Virus/Host Cell Crosstalk in Hypoxic HPV-Positive Cancer Cells. <i>Viruses</i> , 2017, 9, 174.	3.3	9
241	Targeting Tumor Adaption to Chronic Hypoxia: Implications for Drug Resistance, and How It Can Be Overcome. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1854.	4.1	62
242	Therapy for Cancer: Strategy of Combining Anti-Angiogenic and Target Therapies. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 101.	3.7	65
243	Hypoxia Modulates the Response of Mast Cells to <i>Staphylococcus aureus</i> Infection. <i>Frontiers in Immunology</i> , 2017, 8, 541.	4.8	22
244	Differentiation and Functionality of Bone Marrow-Derived Mast Cells Depend on Varying Physiologic Oxygen Conditions. <i>Frontiers in Immunology</i> , 2017, 8, 1665.	4.8	6
245	Î²2-Adrenergic Receptor-Mediated HIF-1Î± Upregulation Mediates Blood Brain Barrier Damage in Acute Cerebral Ischemia. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 257.	2.9	46
247	Long non-coding RNA and tumor hypoxia: new players ushered toward an old arena. <i>Journal of Biomedical Science</i> , 2017, 24, 53.	7.0	89
248	miR-210 Protects Renal Cell Against Hypoxia-induced Apoptosis by Targeting HIF-1 Alpha. <i>Molecular Medicine</i> , 2017, 23, 258-271.	4.4	41
249	Oxygen sensors as therapeutic targets in kidney disease. <i>Nephrologie Et Therapeutique</i> , 2017, 13, S29-S34.	0.5	15
250	Induction of erythropoiesis by hypoxia-inducible factor prolyl hydroxylase inhibitors without promotion of tumor initiation, progression, or metastasis in a VEGF-sensitive model of spontaneous breast cancer. <i>Hypoxia (Auckland, N Z)</i> , 2017, Volume 5, 1-9.	1.9	44
251	Role of the Hypoxia-Inducible Factor in Periodontal Inflammation. , 2017, , .		4
252	Redox activated polymeric nanoparticles in tumor therapy. , 2017, , 327-354.		4
253	An update on anticancer drug development and delivery targeting carbonic anhydrase IX. <i>PeerJ</i> , 2017, 5, e4068.	2.0	18
254	Anthracyclines suppress pheochromocytoma cell characteristics, including metastasis, through inhibition of the hypoxia signaling pathway. <i>Oncotarget</i> , 2017, 8, 22313-22324.	1.8	29
255	The unexpected intelligence: what is the naked moleâ€™ratâ€™s secret to surviving oxygen deprivation?. <i>Cardiovascular Research</i> , 2017, 113, e27-e28.	3.8	0

#	ARTICLE	IF	CITATIONS
256	The ST6Gal-I sialyltransferase protects tumor cells against hypoxia by enhancing HIF-1 α signaling. <i>Journal of Biological Chemistry</i> , 2018, 293, 5659-5667.	3.4	59
257	Mitochondria and Hypoxia: Metabolic Crosstalk in Cell-Fate Decisions. <i>Trends in Endocrinology and Metabolism</i> , 2018, 29, 249-259.	7.1	45
258	ARE-mediated decay controls gene expression and cellular metabolism upon oxygen variations. <i>Scientific Reports</i> , 2018, 8, 5211.	3.3	12
259	Expanding the Paradigm: Intrinsically Disordered Proteins and Allosteric Regulation. <i>Journal of Molecular Biology</i> , 2018, 430, 2309-2320.	4.2	105
260	Pro-inflammatory cytokines activate hypoxia-inducible factor 3 β via epigenetic changes in mesenchymal stromal/stem cells. <i>Scientific Reports</i> , 2018, 8, 5842.	3.3	20
261	Sounding Out Dysfunctional Oxygen Metabolism: A Small-Molecule Probe for Photoacoustic Imaging of Hypoxia. <i>Biochemistry</i> , 2018, 57, 893-894.	2.5	3
262	Hypoxia-inducible factor 2 α drives nonalcoholic fatty liver progression by triggering hepatocyte release of histidine-rich glycoprotein. <i>Hepatology</i> , 2018, 67, 2196-2214.	7.3	66
263	Household air pollution and chronic hypoxia in the placenta of pregnant Nigerian women: A randomized controlled ethanol Cookstove intervention. <i>Science of the Total Environment</i> , 2018, 619-620, 212-220.	8.0	25
264	Inositol Polyphosphate Multikinase Inhibits Angiogenesis via Inositol Pentakisphosphate-Induced HIF-1 α Degradation. <i>Circulation Research</i> , 2018, 122, 457-472.	4.5	14
265	Transcriptional Profiling Using RNA-Seq to Study Hypoxia-Mediated Gene Regulation. <i>Methods in Molecular Biology</i> , 2018, 1742, 55-66.	0.9	3
266	Cancer stem cells as key drivers of tumour progression. <i>Journal of Biomedical Science</i> , 2018, 25, 20.	7.0	599
267	Evaluation of a self-regulated in vitro hypoxic system by using chemical reactions. <i>Biochemical and Biophysical Research Communications</i> , 2018, 500, 772-776.	2.1	1
268	Differential regulation of angiogenesis in the developing mouse brain in response to exogenous activation of the hypoxia-inducible transcription factor system. <i>Brain Research</i> , 2018, 1688, 91-102.	2.2	9
269	Super-long single-molecule tracking reveals dynamic-anchorage-induced integrin function. <i>Nature Chemical Biology</i> , 2018, 14, 497-506.	8.0	93
270	Regulation of Hypoxia-Inducible Factor 1 α during Hypoxia by DAP5-Induced Translation of PHD2. <i>Molecular and Cellular Biology</i> , 2018, 38, .	2.3	18
271	Retinoic acid receptor-related orphan receptor ROR α regulates differentiation and survival of keratinocytes during hypoxia. <i>Journal of Cellular Physiology</i> , 2018, 233, 641-650.	4.1	17
272	Association of unit-wide oxygen saturation target on incidence of pulmonary hypertension in very low birthweight premature infants. <i>Journal of Perinatology</i> , 2018, 38, 148-153.	2.0	7
273	Hypoxic Stress Upregulates the Expression of <i>Slc38a1</i> in Brown Adipocytes via Hypoxia-Inducible Factor-1 α . <i>Pharmacology</i> , 2018, 101, 64-71.	2.2	7

#	ARTICLE	IF	CITATIONS
274	Hypoxia and hypoxia-inducible factors in neuroblastoma. <i>Cell and Tissue Research</i> , 2018, 372, 269-275.	2.9	52
275	Binswanger's disease: biomarkers in the inflammatory form of vascular cognitive impairment and dementia. <i>Journal of Neurochemistry</i> , 2018, 144, 634-643.	3.9	32
276	SENP1/HIF-1 α feedback loop modulates hypoxia-induced cell proliferation, invasion, and EMT in human osteosarcoma cells. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 1819-1826.	2.6	41
277	Amphiphilic Fluorine-Containing Block Copolymers as Carriers for Hydrophobic PtTFPP for Dissolved Oxygen Sensing, Cell Respiration Monitoring and In Vivo Hypoxia Imaging with High Quantum Efficiency and Long Lifetime. <i>Sensors</i> , 2018, 18, 3752.	3.8	8
278	Hypoxia Inducible Factor as a Central Regulator of Metabolism – Implications for the Development of Obesity. <i>Frontiers in Neuroscience</i> , 2018, 12, 813.	2.8	60
279	A biomimetic nanoreactor for synergistic chemiexcited photodynamic therapy and starvation therapy against tumor metastasis. <i>Nature Communications</i> , 2018, 9, 5044.	12.8	380
280	Cancer Stem Cells and Immunosuppressive Microenvironment in Glioma. <i>Frontiers in Immunology</i> , 2018, 9, 2924.	4.8	171
281	PAS Proteins: Comparative Biology and Proteasomal Degradation. , 2018, , 76-100.		0
282	Microfluidic device to attain high spatial and temporal control of oxygen. <i>PLoS ONE</i> , 2018, 13, e0209574.	2.5	43
283	Modulation of HIF-2 α PAS-B domain contributes to physiological responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 13240-13245.	7.1	19
284	Astrocyte HIF-2 α supports learning in a passive avoidance paradigm under hypoxic stress. <i>Hypoxia (Auckland, N Z)</i> , 2018, Volume 6, 35-56.	1.9	7
285	Curcumin prevents potassium dichromate (K ₂ Cr ₂ O ₇)-induced renal hypoxia. <i>Food and Chemical Toxicology</i> , 2018, 121, 472-482.	3.6	16
286	Hypoxia inducible factor 1 α in hepatocellular carcinoma with cirrhosis: Association with prognosis. <i>Pathology Research and Practice</i> , 2018, 214, 1987-1992.	2.3	18
287	Loss of Prolyl-Hydroxylase 1 Protects against Biliary Fibrosis via Attenuated Activation of Hepatic Stellate Cells. <i>American Journal of Pathology</i> , 2018, 188, 2826-2838.	3.8	13
288	VHL-Mediated Regulation of CHCHD4 and Mitochondrial Function. <i>Frontiers in Oncology</i> , 2018, 8, 388.	2.8	23
289	Hypoxia-Inducible Factor Prolyl 4-Hydroxylases and Metabolism. <i>Trends in Molecular Medicine</i> , 2018, 24, 1021-1035.	6.7	34
290	The peripheral immune response after stroke – A double edge sword for blood-brain barrier integrity. <i>CNS Neuroscience and Therapeutics</i> , 2018, 24, 1115-1128.	3.9	59
291	CIRBP is a novel oncogene in human bladder cancer inducing expression of HIF-1 α . <i>Cell Death and Disease</i> , 2018, 9, 1046.	6.3	43

#	ARTICLE	IF	CITATIONS
292	Skeletal Muscle Fiber Type in Hypoxia: Adaptation to High-Altitude Exposure and Under Conditions of Pathological Hypoxia. <i>Frontiers in Physiology</i> , 2018, 9, 1450.	2.8	43
293	Circadian Dysregulation: The Next Frontier in Obstructive Sleep Apnea Research. <i>Otolaryngology - Head and Neck Surgery</i> , 2018, 159, 948-955.	1.9	23
294	The role of hypoxic signalling in metastasis: towards translating knowledge of basic biology into novel anti-tumour strategies. <i>Clinical and Experimental Metastasis</i> , 2018, 35, 563-599.	3.3	25
295	The association of HIF-1 α expression with clinicopathological significance in prostate cancer: a meta-analysis. <i>Cancer Management and Research</i> , 2018, Volume 10, 2809-2816.	1.9	12
296	The emerging roles of ribosomal histidyl hydroxylases in cell biology, physiology and disease. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 4093-4105.	5.4	19
297	Autophagy contributes to hypoxia-induced epithelial to mesenchymal transition of endometrial epithelial cells in endometriosis. <i>Biology of Reproduction</i> , 2018, 99, 968-981.	2.7	34
298	Colorectal tumor 3D <i>in vitro</i> models: advantages of biofabrication for the recapitulation of early stages of tumour development. <i>Biomedical Physics and Engineering Express</i> , 2018, 4, 045010.	1.2	26
299	VEGF pathway-targeting drugs induce evasive adaptation by activation of neuropilin-1/cMet in colon cancer cells. <i>International Journal of Oncology</i> , 2018, 52, 1350-1362.	3.3	16
300	Hypoxia inducible factor 2 \pm (HIF2 \pm /EPAS1) is associated with development of pulmonary hypertension in severe congenital diaphragmatic hernia patients. <i>Pulmonary Circulation</i> , 2018, 8, 1-4.	1.7	5
301	Calycosin alleviates allergic contact dermatitis by repairing epithelial tight junctions via down-regulating HIF1 α . <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 4507-4521.	3.6	32
302	HIF1 mediates a switch in pyruvate kinase isoforms after myocardial infarction. <i>Physiological Genomics</i> , 2018, 50, 479-494.	2.3	53
303	Alteration of the Antitumor Immune Response by Cancer-Associated Fibroblasts. <i>Frontiers in Immunology</i> , 2018, 9, 414.	4.8	272
304	Energy Producing Metabolic Pathways in Functional Regulation of the Hematopoietic Stem Cells. <i>IUBMB Life</i> , 2018, 70, 612-624.	3.4	16
305	Hypoxia, Metabolism and Immune Cell Function. <i>Biomedicines</i> , 2018, 6, 56.	3.2	126
306	Association Between Hypoxia-Inducible Factor-2 \pm (HIF-2 \pm) Expression and Colorectal Cancer and Its Prognostic Role: a Systematic Analysis. <i>Cellular Physiology and Biochemistry</i> , 2018, 48, 516-527.	1.6	18
307	Expressional analysis of disease-relevant signalling-pathways in primary tumours and metastasis of head and neck cancers. <i>Scientific Reports</i> , 2018, 8, 7326.	3.3	16
308	Developmental abnormalities of the otic capsule and inner ear following application of prolyl-4-hydroxylase inhibitors in chick embryos. <i>Birth Defects Research</i> , 2018, 110, 1194-1204.	1.5	0
309	Loss-of-function zinc finger mutation in the EGLN1 gene associated with erythrocytosis. <i>Blood</i> , 2018, 132, 1455-1458.	1.4	15

#	ARTICLE	IF	CITATIONS
310	Cell-specific gene therapy driven by an optimized hypoxia-regulated vector reduces choroidal neovascularization. <i>Journal of Molecular Medicine</i> , 2018, 96, 1107-1118.	3.9	13
311	Deletion of the fih gene encoding an inhibitor of hypoxia-inducible factors increases hypoxia tolerance in zebrafish. <i>Journal of Biological Chemistry</i> , 2018, 293, 15370-15380.	3.4	29
312	Hypoxia-inducible factor 1 \pm plays a predominantly negative role in regulatory T cell functions. <i>Journal of Leukocyte Biology</i> , 2018, 104, 911-918.	3.3	25
313	The Jumonji-C oxygenase JMJD7 catalyzes (3S)-lysyl hydroxylation of TRAFAC GTPases. <i>Nature Chemical Biology</i> , 2018, 14, 688-695.	8.0	31
314	Inflammation stimulates hypoxia-inducible factor-1 \pm regulatory activity in 3T3-L1 adipocytes with conditioned medium from lipopolysaccharide-activated RAW 264.7 macrophages. <i>Journal of Cellular Physiology</i> , 2019, 234, 550-560.	4.1	12
315	PPAR \pm -independent effects of nitrate supplementation on skeletal muscle metabolism in hypoxia. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 844-853.	3.8	13
316	Epigenome modifiers and metabolic rewiring: New frontiers in therapeutics. , 2019, 193, 178-193.		13
317	CD146-HIF-1 \pm hypoxic reprogramming drives vascular remodeling and pulmonary arterial hypertension. <i>Nature Communications</i> , 2019, 10, 3551.	12.8	75
318	Hypoxia-adaptive pathways: A pharmacological target in fibrotic disease?. <i>Pharmacological Research</i> , 2019, 147, 104364.	7.1	28
319	Hypoxia exacerbates nonalcoholic fatty liver disease via the HIF-2 \pm /PPAR \pm pathway. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E710-E722.	3.5	76
320	Hypoxia inducible factor 1 \pm in vascular smooth muscle cells promotes angiotensin II-induced vascular remodeling via activation of CCL7-mediated macrophage recruitment. <i>Cell Death and Disease</i> , 2019, 10, 544.	6.3	54
321	Intrarenal Renin-Angiotensin System Involvement in the Pathogenesis of Chronic Progressive Nephropathy-Bridging the Informational Gap Between Disciplines. <i>Toxicologic Pathology</i> , 2019, 47, 799-816.	1.8	12
322	Update on mutations in the HIF: EPO pathway and their role in erythrocytosis. <i>Blood Reviews</i> , 2019, 37, 100590.	5.7	50
323	Azoreductase-Responsive Metal-Organic Framework-Based Nanodrug for Enhanced Cancer Therapy via Breaking Hypoxia-induced Chemoresistance. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25740-25749.	8.0	52
325	The Fast Lane of Hypoxic Adaptation: Glucose Transport Is Modulated via A HIF-Hydroxylase-AMPK-Axis in Jejunum Epithelium. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4993.	4.1	12
326	Clinical significance and prognostic role of hypoxia-induced microRNA 382 in gastric adenocarcinoma. <i>PLoS ONE</i> , 2019, 14, e0223608.	2.5	7
327	DUBs, Hypoxia, and Cancer. <i>Trends in Cancer</i> , 2019, 5, 632-653.	7.4	125
328	Role of hypoxia in cancer therapy by regulating the tumor microenvironment. <i>Molecular Cancer</i> , 2019, 18, 157.	19.2	1,121

#	ARTICLE	IF	CITATIONS
329	Hif1a and Hif2a can be safely inactivated in cone photoreceptors. <i>Scientific Reports</i> , 2019, 9, 16121.	3.3	10
330	Energetic adaptations: Metabolic control of endocytic membrane traffic. <i>Traffic</i> , 2019, 20, 912-931.	2.7	22
331	Why Be One Protein When You Can Affect Many? The Multiple Roles of YB-1 in Lung Cancer and Mesothelioma. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 221.	3.7	26
332	Iron homeostasis and oxidative stress: An intimate relationship. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 118535.	4.1	402
333	Hypoxia Enhances Endothelial Intercellular Adhesion Molecule 1 Protein Level Through Upregulation of Arginase Type II and Mitochondrial Oxidative Stress. <i>Frontiers in Physiology</i> , 2019, 10, 1003.	2.8	32
334	Tumor Dormancy and Interplay with Hypoxic Tumor Microenvironment. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4305.	4.1	74
335	Emerging Insights and Interventions for Diabetic Retinopathy. <i>Current Diabetes Reports</i> , 2019, 19, 100.	4.2	28
336	Triple-Negative Breast Cancer: Current Understanding and Future Therapeutic Breakthrough Targeting Cancer Stemness. <i>Cancers</i> , 2019, 11, 1334.	3.7	150
337	Revealing sex-specific molecular changes in hypoxia-ischemia induced neural damage and subsequent recovery using zebrafish model. <i>Neuroscience Letters</i> , 2019, 712, 134492.	2.1	12
339	A combined computational pipeline to detect circular RNAs in human cancer cells under hypoxic stress. <i>Journal of Molecular Cell Biology</i> , 2019, 11, 829-844.	3.3	21
340	New Insights Into Implementation of Mesenchymal Stem Cells in Cancer Therapy: Prospects for Anti-angiogenesis Treatment. <i>Frontiers in Oncology</i> , 2019, 9, 840.	2.8	50
341	Control of the Antitumor Immune Response by Cancer Metabolism. <i>Cells</i> , 2019, 8, 104.	4.1	50
342	Endothelial Hypoxia-Inducible Factor-1 α Is Required for Vascular Repair and Resolution of Inflammatory Lung Injury through Forkhead Box Protein M1. <i>American Journal of Pathology</i> , 2019, 189, 1664-1679.	3.8	32
343	Insights into hypoxic adaptation in Tibetan chicken embryos from comparative proteomics. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2019, 31, 100602.	1.0	9
344	Targeted and Interactome Proteomics Revealed the Role of PHD2 in Regulating BRD4 Proline Hydroxylation. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 1772-1781.	3.8	18
345	Intussusceptive Vascular Remodeling Precedes Pathological Neovascularization. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 1402-1418.	2.4	20
346	Involvement of A3 Adenosine Receptor in Neuroblastoma Progression via Modulation of the Hypoxic/Angiogenic Pathway. <i>Journal of Molecular Neuroscience</i> , 2019, 69, 166-176.	2.3	4
347	Hypoxia inducible factors as mediators of reactive oxygen/nitrogen species homeostasis in physiological normoxia. <i>Medical Hypotheses</i> , 2019, 129, 109249.	1.5	17

#	ARTICLE	IF	CITATIONS
348	Hypoxia- and MicroRNA-Induced Metabolic Reprogramming of Tumor-Initiating Cells. <i>Cells</i> , 2019, 8, 528.	4.1	62
349	A multi-targeting natural compound with growth inhibitory and anti-angiogenic properties re-sensitizes chemotherapy resistant cancer. <i>PLoS ONE</i> , 2019, 14, e0218125.	2.5	15
350	Limitations of Anti-Angiogenic Treatment of Tumors. <i>Translational Oncology</i> , 2019, 12, 981-986.	3.7	89
351	Synthesis of novel natural product-like diaryl acetylenes as hypoxia inducible factor-1 inhibitors and antiproliferative agents. <i>RSC Advances</i> , 2019, 9, 13878-13886.	3.6	10
352	Hypoxic Environment Promotes Barrier Formation in Human Intestinal Epithelial Cells through Regulation of MicroRNA 320a Expression. <i>Molecular and Cellular Biology</i> , 2019, 39, .	2.3	34
353	PI3K/AKT/mTOR Signaling Regulates the Virus/Host Cell Crosstalk in HPV-Positive Cervical Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2188.	4.1	71
354	Liver Zonation in Health and Disease: Hypoxia and Hypoxia-Inducible Transcription Factors as Concert Masters. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2347.	4.1	56
355	A RASSF1A-HIF1 α loop drives Warburg effect in cancer and pulmonary hypertension. <i>Nature Communications</i> , 2019, 10, 2130.	12.8	77
356	Tumors: Wounds That Do Not Heal—A Historical Perspective with a Focus on the Fundamental Roles of Increased Vascular Permeability and Clotting. <i>Seminars in Thrombosis and Hemostasis</i> , 2019, 45, 576-592.	2.7	45
357	Imaging necrosis during treatment is associated with worse survival in EORTC 26101 study. <i>Neurology</i> , 2019, 92, e2754-e2763.	1.1	9
358	New emerging roles of CD133 in cancer stem cell: Signaling pathway and miRNA regulation. <i>Journal of Cellular Physiology</i> , 2019, 234, 21642-21661.	4.1	58
359	Protein Hydroxylation by Hypoxia-Inducible Factor (HIF) Hydroxylases: Unique or Ubiquitous?. <i>Cells</i> , 2019, 8, 384.	4.1	142
360	Migration of vascular endothelial cells in monolayers under hypoxic exposure. <i>Integrative Biology (United Kingdom)</i> , 2019, 11, 26-35.	1.3	20
361	Hypoxia-Inducible Factors and the Regulation of Lipid Metabolism. <i>Cells</i> , 2019, 8, 214.	4.1	186
362	Genistein Protects H9c2 Cardiomyocytes against Chemical Hypoxia-Induced Injury via Inhibition of Apoptosis. <i>Pharmacology</i> , 2019, 103, 282-290.	2.2	22
363	Revisiting the role of hypoxia-inducible factors in pulmonary hypertension. <i>Current Opinion in Physiology</i> , 2019, 7, 33-40.	1.8	14
364	A GPX4-dependent cancer cell state underlies the clear-cell morphology and confers sensitivity to ferroptosis. <i>Nature Communications</i> , 2019, 10, 1617.	12.8	499
365	Bioreactor-Controlled Physoxia Regulates TGF- β 2 Signaling to Alter Extracellular Matrix Synthesis by Human Chondrocytes. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1715.	4.1	23

#	ARTICLE	IF	CITATIONS
366	Cyanobacterial bioactive metabolites—A review of their chemistry and biology. <i>Harmful Algae</i> , 2019, 83, 42-94.	4.8	80
367	Cyclopamine tartrate, a modulator of hedgehog signaling and mitochondrial respiration, effectively arrests lung tumor growth and progression. <i>Scientific Reports</i> , 2019, 9, 1405.	3.3	20
368	The roles and signaling pathways of prolyl-4-hydroxylase 2 in the tumor microenvironment. <i>Chemico-Biological Interactions</i> , 2019, 303, 40-49.	4.0	13
369	Acclimatization matters. <i>Current Opinion in Physiology</i> , 2019, 7, 49-52.	1.8	5
370	Cellular Stress-Modulating Drugs Can Potentially Be Identified by in Silico Screening with Connectivity Map (CMap). <i>International Journal of Molecular Sciences</i> , 2019, 20, 5601.	4.1	23
371	Time course of neuropathological events in hyperhomocysteinemic amyloid depositing mice reveals early neuroinflammatory changes that precede amyloid changes and cerebrovascular events. <i>Journal of Neuroinflammation</i> , 2019, 16, 284.	7.2	23
372	Isolation and Culture of Human Stem Cells from Apical Papilla under Low Oxygen Concentration Highlight Original Properties. <i>Cells</i> , 2019, 8, 1485.	4.1	14
373	Metabolic regulation of gene expression by histone lactylation. <i>Nature</i> , 2019, 574, 575-580.	27.8	1,308
374	Chrysin Alleviates Chronic Hypoxia—Induced Pulmonary Hypertension by Reducing Intracellular Calcium Concentration in Pulmonary Arterial Smooth Muscle Cells. <i>Journal of Cardiovascular Pharmacology</i> , 2019, 74, 426-435.	1.9	14
375	A role of hypoxia-inducible factor 1 alpha in Murine Gammaherpesvirus 68 (MHV68) lytic replication and reactivation from latency. <i>PLoS Pathogens</i> , 2019, 15, e1008192.	4.7	17
376	Nobel Prize in Physiology or Medicine 2019. <i>Resonance</i> , 2019, 24, 1375-1380.	0.3	2
377	Total synthesis of verucopeptin, an inhibitor of hypoxia-inducible factor 1 (HIF-1). <i>Chemical Communications</i> , 2019, 55, 11956-11959.	4.1	6
378	Prolyl hydroxylase domain inhibitors: can multiple mechanisms be an opportunity for ischemic stroke?. <i>Neuropharmacology</i> , 2019, 148, 117-130.	4.1	13
379	Failure to sense energy depletion may be a novel therapeutic target in chronic kidney disease. <i>Kidney International</i> , 2019, 95, 123-137.	5.2	25
380	Pulmonary Vascular Development and the Neonatal Circulation. , 2019, , 65-85.		0
381	Altered cancer metabolism in mechanisms of immunotherapy resistance. , 2019, 195, 162-171.		97
382	Control and dysregulation of redox signalling in the gastrointestinal tract. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2019, 16, 106-120.	17.8	118
383	Iron Homeostasis in the Lungs—A Balance between Health and Disease. <i>Pharmaceuticals</i> , 2019, 12, 5.	3.8	54

#	ARTICLE	IF	CITATIONS
384	Pharmacologic Targeting of Hypoxia-Inducible Factors. Annual Review of Pharmacology and Toxicology, 2019, 59, 379-403.	9.4	193
385	Defining Physiological Normoxia for Improved Translation of Cell Physiology to Animal Models and Humans. Physiological Reviews, 2019, 99, 161-234.	28.8	204
386	The use of cobalt chloride as a chemical hypoxia model. Journal of Applied Toxicology, 2019, 39, 556-570.	2.8	258
387	Therapeutic strategies for enhancing angiogenesis in wound healing. Advanced Drug Delivery Reviews, 2019, 146, 97-125.	13.7	448
388	The MicroRNA-92a/Sp1/MyoD Axis Regulates Hypoxic Stimulation of Myogenic Lineage Differentiation in Mouse Embryonic Stem Cells. Molecular Therapy, 2020, 28, 142-156.	8.2	14
389	Short-term hypoxia promotes vascularization in co-culture system consisting of primary human osteoblasts and outgrowth endothelial cells. Journal of Biomedical Materials Research - Part A, 2020, 108, 7-18.	4.0	21
390	Immunity, Hypoxia, and Metabolism—the “Trois” of Cancer: Implications for Immunotherapy. Physiological Reviews, 2020, 100, 1-102.	28.8	190
391	C1 Esterase Inhibitor Reduces BBB Leakage and Apoptosis in the Hypoxic Developing Mouse Brain. NeuroMolecular Medicine, 2020, 22, 31-44.	3.4	3
392	Transcriptome analysis defines myocardium gene signatures in children with ToF and ASD and reveals disease-specific molecular reprogramming in response to surgery with cardiopulmonary bypass. Journal of Translational Medicine, 2020, 18, 21.	4.4	11
393	Multi-path tumor inhibition via the interactive effects between tumor microenvironment and an oxygen self-supplying delivery system for a photosensitizer. Photodiagnosis and Photodynamic Therapy, 2020, 29, 101642.	2.6	12
394	MiR-137-3p exacerbates the ischemia-reperfusion injured cardiomyocyte apoptosis by targeting KLF15. Naunyn-Schmiedeberg's Archives of Pharmacology, 2020, 393, 1013-1024.	3.0	15
395	Prolyl hydroxylase inhibition protects the kidneys from ischemia via upregulation of glycogen storage. Kidney International, 2020, 97, 687-701.	5.2	50
396	Label-Free Interactome Analysis Revealed an Essential Role of CUL3-KEAP1 Complex in Mediating the Ubiquitination and Degradation of PHD2. Journal of Proteome Research, 2020, 19, 260-268.	3.7	4
397	Oxoisoaporphines and Aporphines: Versatile Molecules with Anticancer Effects. Molecules, 2020, 25, 108.	3.8	14
398	Zebrafish <i>hif-3</i> modulates erythropoiesis via regulation of <i>gata-1</i> to facilitate hypoxia tolerance. Development (Cambridge), 2020, 147, .	2.5	11
399	Cancer immunotherapy via targeted TGF- β signalling blockade in TH cells. Nature, 2020, 587, 121-125.	27.8	157
400	Clinical significance and in vitro cellular regulation of hypoxia mimicry on HIF-1 α and downstream genes in canine appendicular osteosarcoma. Veterinary Journal, 2020, 264, 105538.	1.7	7
401	PQM-1 controls hypoxic survival via regulation of lipid metabolism. Nature Communications, 2020, 11, 4627.	12.8	16

#	ARTICLE	IF	CITATIONS
402	Mesenchymal to epithelial transition driven by canine distemper virus infection of canine histiocytic sarcoma cells contributes to a reduced cell motility in vitro. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 9332-9348.	3.6	14
403	Hypoxia in chronic kidney disease: towards a paradigm shift?. <i>Nephrology Dialysis Transplantation</i> , 2021, 36, 1782-1790.	0.7	22
404	Novel Therapeutic Targets for Hypoxia-Related Cardiovascular Diseases: The Role of HIF-1. <i>Frontiers in Physiology</i> , 2020, 11, 774.	2.8	40
405	Zebrafish <i>phd3</i> Negatively Regulates Antiviral Responses via Suppression of Irf7 Transactivity Independent of Its Prolyl Hydroxylase Activity. <i>Journal of Immunology</i> , 2020, 205, 1135-1146.	0.8	6
406	Alterations in telomere length and mitochondrial DNA copy number in human lymphocytes on short-term exposure to moderate hypoxia. <i>Toxicology Reports</i> , 2020, 7, 1443-1447.	3.3	1
407	The effects of HIF-1 α overexpression on renal injury, immune disorders and mitochondrial apoptotic pathways in renal ischemia/reperfusion rats. <i>Translational Andrology and Urology</i> , 2020, 9, 2157-2165.	1.4	6
408	<p></p>Hypoxic Tumor-Derived Exosomal Circ0048117 Facilitates M2 Macrophage Polarization Acting as miR-140 Sponge in Esophageal Squamous Cell Carcinoma<p></p>. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 11883-11897.	2.0	48
409	Hypoxia Shapes Autophagy in LPS-Activated Dendritic Cells. <i>Frontiers in Immunology</i> , 2020, 11, 573646.	4.8	17
410	Dual functional luminescent nanoprobe for monitoring oxygen and chloride concentration changes in cells. <i>Chemical Communications</i> , 2020, 56, 14980-14983.	4.1	5
411	Stresses in the metastatic cascade: molecular mechanisms and therapeutic opportunities. <i>Genes and Development</i> , 2020, 34, 1577-1598.	5.9	19
412	Hypoxia and Oxygen-Sensing Signaling in Gene Regulation and Cancer Progression. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8162.	4.1	40
413	Low oxygen: A (tough) way of life for Okavango fishes. <i>PLoS ONE</i> , 2020, 15, e0235667.	2.5	9
414	Hypoxia-Inducible Factor Is Critical for Pathogenesis and Regulation of Immune Cell Functions in Rheumatoid Arthritis. <i>Frontiers in Immunology</i> , 2020, 11, 1668.	4.8	42
415	Resistance to Anti-angiogenic Therapies: A Mechanism Depending on the Time of Exposure to the Drugs. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 584.	3.7	40
416	Neuroprotective Effect of HIF Prolyl Hydroxylase Inhibition in an In Vitro Hypoxia Model. <i>Antioxidants</i> , 2020, 9, 662.	5.1	18
417	Inhibition of firefly luciferase activity by a HIF prolyl hydroxylase inhibitor. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 210, 111980.	3.8	7
418	Pharmacological Potential of Small Molecules for Treating Corneal Neovascularization. <i>Molecules</i> , 2020, 25, 3468.	3.8	16
419	Structural and Functional Remodeling of the Brain Vasculature Following Stroke. <i>Frontiers in Physiology</i> , 2020, 11, 948.	2.8	40

#	ARTICLE	IF	CITATIONS
420	Association of high HIF-1 \pm levels in serous periodontitis with external root resorption by the NFATc1 pathway. <i>Journal of Molecular Histology</i> , 2020, 51, 649-658.	2.2	8
421	Epigenetic crosstalk between hypoxia and tumor driven by HIF regulation. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020, 39, 224.	8.6	49
422	Targeting Autophagy in Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7836.	4.1	54
423	Specific cyprinid HIF isoforms contribute to cellular mitochondrial regulation. <i>Scientific Reports</i> , 2020, 10, 17246.	3.3	10
424	HIF \pm independent mechanisms in renal carcinoma cells modulate divergent outcomes in fibronectin assembly mediated by hypoxia and CoCl ₂ . <i>Scientific Reports</i> , 2020, 10, 18560.	3.3	4
425	Harnessing hypoxia as an evolutionary driver of complex multicellularity. <i>Interface Focus</i> , 2020, 10, 20190101.	3.0	14
426	Hypoxia-Mediated Regulation of Histone Demethylases Affects Angiogenesis-Associated Functions in Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 2665-2677.	2.4	15
427	Fluorescent Detection of <i>O</i> -GlcNAc via Tandem Glycan Labeling. <i>Bioconjugate Chemistry</i> , 2020, 31, 2098-2102.	3.6	7
428	Epigenetics modifiers: potential hub for understanding and treating neurodevelopmental disorders from hypoxic injury. <i>Journal of Neurodevelopmental Disorders</i> , 2020, 12, 37.	3.1	9
429	Molecular Mechanisms of Acute Oxygen Sensing by Arterial Chemoreceptor Cells. Role of Hif2 \pm . <i>Frontiers in Physiology</i> , 2020, 11, 614893.	2.8	6
430	Molecular Crosstalk Between MYC and HIF in Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 590576.	3.7	50
431	Tumor cell endogenous HIF-1 \pm activity induces aberrant angiogenesis and interacts with TRAF6 pathway required for colorectal cancer development. <i>Neoplasia</i> , 2020, 22, 745-758.	5.3	9
432	Prolonged astrocyte-derived erythropoietin expression attenuates neuronal damage under hypothermic conditions. <i>Journal of Neuroinflammation</i> , 2020, 17, 141.	7.2	15
433	A human protein hydroxylase that accepts D-residues. <i>Communications Chemistry</i> , 2020, 3, .	4.5	6
434	Signaling in and out: long-noncoding RNAs in tumor hypoxia. <i>Journal of Biomedical Science</i> , 2020, 27, 59.	7.0	34
435	High levels of HIF-1 \pm in hypoxic dental pulps associated with teeth with severe periodontitis. <i>Journal of Molecular Histology</i> , 2020, 51, 265-275.	2.2	7
436	Erythrocyte adaptive metabolic reprogramming under physiological and pathological hypoxia. <i>Current Opinion in Hematology</i> , 2020, 27, 155-162.	2.5	25
437	Tibetan <i>PHD2</i> , an allele with loss-of-function properties. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12230-12238.	7.1	20

#	ARTICLE	IF	CITATIONS
438	Sulfonamido carboranes as highly selective inhibitors of cancer-specific carbonic anhydrase IX. <i>European Journal of Medicinal Chemistry</i> , 2020, 200, 112460.	5.5	25
439	A network of RNA-binding proteins controls translation efficiency to activate anaerobic metabolism. <i>Nature Communications</i> , 2020, 11, 2677.	12.8	32
440	Insulin-Like Growth Factor 2 mRNA-Binding Protein 3 Modulates Aggressiveness of Ewing Sarcoma by Regulating the CD164-CXCR4 Axis. <i>Frontiers in Oncology</i> , 2020, 10, 994.	2.8	12
441	Oxygen-Enhanced Optoacoustic Tomography Reveals the Effectiveness of Targeting Heme and Oxidative Phosphorylation at Normalizing Tumor Vascular Oxygenation. <i>Cancer Research</i> , 2020, 80, 3542-3555.	0.9	22
442	Perinatal Hypoxia-Inducible Factor Stabilization Preserves Lung Alveolar and Vascular Growth in Experimental Bronchopulmonary Dysplasia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 1146-1158.	5.6	30
443	Liver fibrogenesis: an update on established and emerging basic concepts. <i>Archives of Biochemistry and Biophysics</i> , 2020, 689, 108445.	3.0	15
444	Molecular principles of metastasis: a hallmark of cancer revisited. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 28.	17.1	1,075
445	The evolving role of TonEBP as an immunometabolic stress protein. <i>Nature Reviews Nephrology</i> , 2020, 16, 352-364.	9.6	44
446	Treatment of Renal Anemia with Roxadustat: Advantages and Achievement. <i>Kidney Diseases (Basel)</i> , 2020, 10, 45.	2.5	45
447	Tolerance to Hypoxia Is Promoted by FOXO Regulation of the Innate Immunity Transcription Factor NF- κ B/Relish in <i>Drosophila</i> . <i>Genetics</i> , 2020, 215, 1013-1025.	2.9	22
448	Genetically Encoded Tools for Research of Cell Signaling and Metabolism under Brain Hypoxia. <i>Antioxidants</i> , 2020, 9, 516.	5.1	10
449	Stabilization of HIF-1 α alleviates osteoarthritis via enhancing mitophagy. <i>Cell Death and Disease</i> , 2020, 11, 481.	6.3	99
450	Niche-Selective Inhibition of Pathogenic Th17 Cells by Targeting Metabolic Redundancy. <i>Cell</i> , 2020, 182, 641-654.e20.	28.9	77
451	The hypoxic microenvironment: a driving force for heterotopic ossification progression. <i>Cell Communication and Signaling</i> , 2020, 18, 20.	6.5	25
452	Neuronal HIF-1 α in the nucleus tractus solitarius contributes to ventilatory acclimatization to hypoxia. <i>Journal of Physiology</i> , 2020, 598, 2021-2034.	2.9	19
453	Probing Pedomorphy and Prolonged Lifespan in Naked Mole-Rats and Dwarf Mice. <i>Physiology</i> , 2020, 35, 96-111.	3.1	22
454	Recent advances in the biology of tumour hypoxia with relevance to diagnostic practice and tissue-based research. <i>Journal of Pathology</i> , 2020, 250, 593-611.	4.5	23
455	Comprehensive transcriptomic profiling reveals SOX7 as an early regulator of angiogenesis in hypoxic human endothelial cells. <i>Journal of Biological Chemistry</i> , 2020, 295, 4796-4808.	3.4	15

#	ARTICLE	IF	CITATIONS
456	Basic Biology of Hypoxic Responses Mediated by the Transcription Factor HIFs and Its Implication for Medicine. <i>Biomedicines</i> , 2020, 8, 32.	3.2	33
457	Oxidative Stress in Canine Histiocytic Sarcoma Cells Induced by an Infection with Canine Distemper Virus Led to a Dysregulation of HIF-1 α Downstream Pathway Resulting in a Reduced Expression of VEGF-B In Vitro. <i>Viruses</i> , 2020, 12, 200.	3.3	13
458	HIF-1 α Regulates Glucocorticoid-Induced Osteoporosis Through PDK1/AKT/mTOR Signaling Pathway. <i>Frontiers in Endocrinology</i> , 2019, 10, 922.	3.5	32
459	Substance P participates in periodontitis by upregulating HIF-1 α and RANKL/OPG ratio. <i>BMC Oral Health</i> , 2020, 20, 27.	2.3	31
460	Cellular and Extracellular Components in Tumor Microenvironment and Their Application in Early Diagnosis of Cancers. <i>Analytical Cellular Pathology</i> , 2020, 2020, 1-13.	1.4	87
461	Hypoxia induced LUCAT1/PTBP1 axis modulates cancer cell viability and chemotherapy response. <i>Molecular Cancer</i> , 2020, 19, 11.	19.2	92
462	The Expression of Decidual Protein Induced by Progesterone (DEPP) Is Controlled by Three Distal Consensus Hypoxia Responsive Element (HRE) in Hypoxic Retinal Epithelial Cells. <i>Genes</i> , 2020, 11, 111.	2.4	3
463	Hypoxia-induced alterations of transcriptome and chromatin accessibility in HL cells. <i>IUBMB Life</i> , 2020, 72, 1737-1746.	3.4	13
464	Genetic Screen for Cell Fitness in High or Low Oxygen Highlights Mitochondrial and Lipid Metabolism. <i>Cell</i> , 2020, 181, 716-727.e11.	28.9	126
465	Hypoxia-inducible factor-1 α shifts metabolism from oxidative phosphorylation to glycolysis in response to pathogen challenge in <i>Apostichopus japonicus</i> . <i>Aquaculture</i> , 2020, 526, 735393.	3.5	10
466	Hypoxia compensates cell cycle arrest with progenitor differentiation during angiogenesis. <i>FASEB Journal</i> , 2020, 34, 6654-6674.	0.5	6
467	Oxygen and embryonic growth: the role of insulin-like growth factor signaling. <i>General and Comparative Endocrinology</i> , 2020, 294, 113473.	1.8	8
468	The Genomics and Genetics of Oxygen Homeostasis. <i>Annual Review of Genomics and Human Genetics</i> , 2020, 21, 183-204.	6.2	71
469	Metabolic Heterogeneity of Cancer Cells: An Interplay between HIF-1, GLUTs, and AMPK. <i>Cancers</i> , 2020, 12, 862.	3.7	97
470	Activation of AMPK under Hypoxia: Many Roads Leading to Rome. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2428.	4.1	76
471	Risk factors for the COVID-19 severity and its correlation with viral shedding: A retrospective cohort study. <i>Journal of Medical Virology</i> , 2021, 93, 952-961.	5.0	19
472	Brain-targeted hypoxia-inducible factor stabilization reduces neonatal hypoxic-ischemic brain injury. <i>Neurobiology of Disease</i> , 2021, 148, 105200.	4.4	8
473	The multifaceted functions of RNA helicases in the adaptive cellular response to hypoxia: From mechanisms to therapeutics. , 2021, 221, 107783.		8

#	ARTICLE	IF	CITATIONS
474	Physiological Genomics of Adaptation to High-Altitude Hypoxia. Annual Review of Animal Biosciences, 2021, 9, 149-171.	7.4	36
475	The role of hypoxia-inducible factor 1 in tumor immune evasion. Medicinal Research Reviews, 2021, 41, 1622-1643.	10.5	157
476	Role of Regular Physical Exercise in Tumor Vasculature: Favorable Modulator of Tumor Milieu. International Journal of Sports Medicine, 2021, 42, 389-406.	1.7	9
477	CircDUSP16 Contributes to Cell Development in Esophageal Squamous Cell Carcinoma by Regulating miR-497-5p/TKTL1 Axis. Journal of Surgical Research, 2021, 260, 64-75.	1.6	12
478	Tumor microenvironment. , 2021, , 1-10.		2
479	Simultaneous Clustering of Multiple Gene Expression Datasets for Pattern Discovery. Computational Biology, 2021, , 93-125.	0.2	0
481	Developments of Methodology for Intracellular Oxygen Tension Based on Phosphorescence Lifetime Measurements of Ir(III) Complexes. Seibutsu Butsuri, 2021, 61, 298-302.	0.1	0
482	High-altitude pulmonary edema. Evolution, Medicine and Public Health, 2021, 9, 118-119.	2.5	12
483	Hypoxia-inducible factor (HIF) inhibitors: a patent survey (2016-2020). Expert Opinion on Therapeutic Patents, 2021, 31, 387-397.	5.0	20
484	Hypoxia-induced FOXO4/LDHA axis modulates gastric cancer cell glycolysis and progression. Clinical and Translational Medicine, 2021, 11, e279.	4.0	33
485	Hypoxia promotes the metastasis of pancreatic cancer through regulating NOX4/KDM5A-mediated histone methylation modification changes in a HIF1A-independent manner. Clinical Epigenetics, 2021, 13, 18.	4.1	38
486	Recent development of near-infrared photoacoustic probes based on small-molecule organic dye. RSC Chemical Biology, 2021, 2, 743-758.	4.1	40
487	Increasing Oxygen Partial Pressures Induce a Distinct Transcriptional Response in Human PBMC: A Pilot Study on the "Normobaric Oxygen Paradox". International Journal of Molecular Sciences, 2021, 22, 458.	4.1	36
488	HIF-Prolyl Hydroxylase Domain Proteins (PHDs) in Cancer-Potential Targets for Anti-Tumor Therapy?. Cancers, 2021, 13, 988.	3.7	16
489	Hypoxia Conditioning as a Promising Therapeutic Target in Parkinson's Disease?. Movement Disorders, 2021, 36, 857-861.	3.9	26
490	U2AF - Hypoxia-induced fas alternative splicing regulator. Experimental Cell Research, 2021, 399, 112444.	2.6	7
491	Whether Prolyl Hydroxylase Blocker-Roxadustat-In the Treatment of Anemia in Patients with Chronic Kidney Disease Is the Future?. International Journal of Environmental Research and Public Health, 2021, 18, 1612.	2.6	5
492	Genetic analysis of 39 erythrocytosis and hereditary hemochromatosis-associated genes in the Slovenian family with idiopathic erythrocytosis. Journal of Clinical Laboratory Analysis, 2021, 35, e23715.	2.1	5

#	ARTICLE	IF	CITATIONS
493	Age-Related Gene Alteration in Na ⁺ -ve and Memory T cells Using Precise Age-Tracking Model. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 624380.	3.7	16
494	Balanophorin B inhibited glycolysis with the involvement of HIF-1 α . <i>Life Sciences</i> , 2021, 267, 118910.	4.3	11
495	ZMYND8 preferentially binds phosphorylated EZH2 to promote a PRC2-dependent to -independent function switch in hypoxia-inducible factor α -activated cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	14
496	Algae: A natural active material for biomedical applications. <i>View</i> , 2021, 2, 20200189.	5.3	44
497	Reconciling VEGF With VPF: The Importance of Increased Vascular Permeability for Stroma Formation in Tumors, Healing Wounds, and Chronic Inflammation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 660609.	3.7	17
499	RACK1 mediates the advanced glycation end product α -induced degradation of HIF α 1 α in nucleus pulposus cells via competing with HSP90 for HIF α 1 α binding. <i>Cell Biology International</i> , 2021, 45, 1316-1326.	3.0	10
500	HIF-1/AKT Signaling-Activated PFKFB2 Alleviates Cardiac Dysfunction and Cardiomyocyte Apoptosis in Response to Hypoxia. <i>International Heart Journal</i> , 2021, 62, 350-358.	1.0	14
502	Hypoxia-Inducible Factors Regulate Osteoclasts in Health and Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 658893.	3.7	14
503	Acquired and progressive coronary arterial fistulae in patients with single-ventricle physiology and treated with pulmonary vasodilators. <i>Cardiology in the Young</i> , 2021, 31, 1823-1828.	0.8	0
504	Hypoxia-Driven Effects in Cancer: Characterization, Mechanisms, and Therapeutic Implications. <i>Cells</i> , 2021, 10, 678.	4.1	53
505	Hypoxia-induced therapy resistance: Available hypoxia-targeting strategies and current advances in head and neck cancer. <i>Translational Oncology</i> , 2021, 14, 101017.	3.7	35
506	High-Altitude Adaptation: Mechanistic Insights from Integrated Genomics and Physiology. <i>Molecular Biology and Evolution</i> , 2021, 38, 2677-2691.	8.9	60
507	Multi-omics analysis reveals contextual tumor suppressive and oncogenic gene modules within the acute hypoxic response. <i>Nature Communications</i> , 2021, 12, 1375.	12.8	31
508	Expression and Roles of Individual HIF Prolyl 4-Hydroxylase Isoenzymes in the Regulation of the Hypoxia Response Pathway along the Murine Gastrointestinal Epithelium. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4038.	4.1	1
509	Hypoxia-Driven HIF-1 α Activation Reprograms Pre-Activated NK Cells towards Highly Potent Effector Phenotypes via ERK/STAT3 Pathways. <i>Cancers</i> , 2021, 13, 1904.	3.7	20
510	Detrimental effects of hypoxia on glomerular podocytes. <i>Journal of Physiology and Biochemistry</i> , 2021, 77, 193-203.	3.0	15
511	Hypoxia and Extracellular Acidification as Drivers of Melanoma Progression and Drug Resistance. <i>Cells</i> , 2021, 10, 862.	4.1	33
512	Connexin43 promotes angiogenesis through activating the HIF-1 α /VEGF signaling pathway under chronic cerebral hypoperfusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 2656-2675.	4.3	20

#	ARTICLE	IF	CITATIONS
513	NONO-TFE3 Fusion Promotes Aerobic Glycolysis and Angiogenesis by Targeting HIF1A in NONO-TFE3 Translocation Renal Cell Carcinoma. <i>Current Cancer Drug Targets</i> , 2021, 21, 713-723.	1.6	3
514	Extracellular matrix and its therapeutic potential for cancer treatment. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 153.	17.1	251
515	Anemia of cardiorenal syndrome. <i>Kidney International Supplements</i> , 2021, 11, 35-45.	14.2	29
516	High-altitude pulmonary edema is aggravated by risk loci and associated transcription factors in HIF-prolyl hydroxylases. <i>Human Molecular Genetics</i> , 2021, 30, 1734-1749.	2.9	6
517	Oxidative eustress: On constant alert for redox homeostasis. <i>Redox Biology</i> , 2021, 41, 101867.	9.0	149
518	Enhanced anti-angiogenic activity of novel melatonin-like agents. <i>Journal of Pineal Research</i> , 2021, 71, e12739.	7.4	13
519	The Role of HIF1 α -PFKFB3 Pathway in Diabetic Retinopathy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 2505-2519.	3.6	38
520	Let-7f miRNA regulates SDF-1 α - and hypoxia-promoted migration of mesenchymal stem cells and attenuates mammary tumor growth upon exosomal release. <i>Cell Death and Disease</i> , 2021, 12, 516.	6.3	27
521	HIF-1 α is necessary for activation and tumour-promotion effect of cancer-associated fibroblasts in lung cancer. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 5457-5469.	3.6	30
522	Mechanism of hydrogen on cervical cancer suppression revealed by high-throughput RNA sequencing. <i>Oncology Reports</i> , 2021, 46, .	2.6	6
523	Different Expressions of HIF-1 α and Metabolism in Brain and Major Visceral Organs of Acute Hypoxic Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6705.	4.1	8
524	SOHLH2 Suppresses Angiogenesis by Downregulating HIF1 α Expression in Breast Cancer. <i>Molecular Cancer Research</i> , 2021, 19, 1498-1509.	3.4	6
525	Nuclear scaffold protein p54nrb/NONO facilitates the hypoxia-enhanced progression of hepatocellular carcinoma. <i>Oncogene</i> , 2021, 40, 4167-4183.	5.9	12
526	HIGD α 1B inhibits hypoxia-induced mitochondrial fragmentation by regulating OPA1 cleavage in cardiomyocytes. <i>Molecular Medicine Reports</i> , 2021, 24, .	2.4	4
527	MicroRNAs as the critical regulators of cisplatin resistance in gastric tumor cells. <i>Genes and Environment</i> , 2021, 43, 21.	2.1	18
528	Association of genetic polymorphism rs2071676 in carbonic anhydrase gene (CA9) with the risk of squamous cell carcinoma of lungs and esophagus. <i>Biologia (Poland)</i> , 2021, 76, 2777-2784.	1.5	0
529	New Directions in Therapeutic Angiogenesis and Arteriogenesis in Peripheral Arterial Disease. <i>Circulation Research</i> , 2021, 128, 1944-1957.	4.5	82
530	Suppression of Myocardial Hypoxia-Inducible Factor-1 α Compromises Metabolic Adaptation and Impairs Cardiac Function in Patients With Cyanotic Congenital Heart Disease During Puberty. <i>Circulation</i> , 2021, 143, 2254-2272.	1.6	30

#	ARTICLE	IF	CITATIONS
531	Cancer stem cells in TNBC. <i>Seminars in Cancer Biology</i> , 2022, 82, 26-34.	9.6	37
532	Antioxidant effects on hypoxia-induced oxidative stress and apoptosis in rat rotator cuff fibroblasts. , 2021, 41, 680-693.		8
533	Mild Hypoxia Enhances the Expression of HIF and VEGF and Triggers the Response to Injury in Rat Kidneys. <i>Frontiers in Physiology</i> , 2021, 12, 690496.	2.8	13
534	Discovery of 5,6-Bis(4-methoxy-3-methylphenyl)pyridin-2-amine as a WSB1 Degradator to Inhibit Cancer Cell Metastasis. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 8621-8643.	6.4	9
535	Microvascular imaging and monitoring of hemodynamic changes in the skin during arterial-venous occlusion using multispectral raster-scanning optoacoustic mesoscopy. <i>Photoacoustics</i> , 2021, 22, 100268.	7.8	13
536	Hypoxia-Inducible Factor Regulates Endothelial Metabolism in Cardiovascular Disease. <i>Frontiers in Physiology</i> , 2021, 12, 670653.	2.8	16
537	Anti-anemia drug FG4592 retards the AKI-to-CKD transition by improving vascular regeneration and antioxidative capability. <i>Clinical Science</i> , 2021, 135, 1707-1726.	4.3	26
538	Hypoxia Enhances the Expression of RNASET2 in Human Monocyte-Derived Dendritic Cells: Role of PI3K/AKT Pathway. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7564.	4.1	9
539	Vitamin D3 decreases TNF- α -induced inflammation in lung epithelial cells through a reduction in mitochondrial fission and mitophagy. <i>Cell Biology and Toxicology</i> , 2022, 38, 427-450.	5.3	18
540	Hypoxia-Inducible Factor Stabilization as an Emerging Therapy for CKD-Related Anemia: Report From a Scientific Workshop Sponsored by the National Kidney Foundation. <i>American Journal of Kidney Diseases</i> , 2021, 78, 709-718.	1.9	12
541	Hypoxia and the integrated stress response promote pulmonary hypertension and preeclampsia: Implications in drug development. <i>Drug Discovery Today</i> , 2021, 26, 2754-2773.	6.4	15
542	A secondary role for hypoxia and HIF1 in the regulation of (IFN γ -induced) PD-L1 expression in melanoma. <i>Cancer Immunology, Immunotherapy</i> , 2022, 71, 529-540.	4.2	12
543	MicroRNA-210-3p is transcriptionally upregulated by hypoxia induction and thus promoting EMT and chemoresistance in glioma cells. <i>PLoS ONE</i> , 2021, 16, e0253522.	2.5	19
544	Hypoxia-Inducible Factor (HIF) in Ischemic Stroke and Neurodegenerative Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 703084.	3.7	41
545	The Anti-VEGF(R) Drug Discovery Legacy: Improving Attrition Rates by Breaking the Vicious Cycle of Angiogenesis in Cancer. <i>Cancers</i> , 2021, 13, 3433.	3.7	67
546	Hydroxyproline in animal metabolism, nutrition, and cell signaling. <i>Amino Acids</i> , 2022, 54, 513-528.	2.7	35
547	The HIF-2 β /PPAR α pathway is essential for liraglutide-alleviated, lipid-induced hepatic steatosis. <i>Biomedicine and Pharmacotherapy</i> , 2021, 140, 111778.	5.6	9
548	Diverse energy metabolism patterns in females in <i>Neodon fuscus</i> , <i>Lasiopodomys brandtii</i> , and <i>Mus musculus</i> revealed by comparative transcriptomics under hypoxic conditions. <i>Science of the Total Environment</i> , 2021, 783, 147130.	8.0	9

#	ARTICLE	IF	CITATIONS
549	Hypoxia-Inducible Factor (HIF): Fuel for Cancer Progression. <i>Current Molecular Pharmacology</i> , 2021, 14, 321-332.	1.5	20
550	Prospects for Manipulation of Mesenchymal Stem Cells in Tumor Therapy: Anti-Angiogenesis Property on the Spotlight. <i>International Journal of Stem Cells</i> , 2021, 14, 351-365.	1.8	6
551	HIF1 α is required for NK cell metabolic adaptation during virus infection. <i>ELife</i> , 2021, 10, .	6.0	12
552	The MEMIC is an <i>ex vivo</i> system to model the complexity of the tumor microenvironment. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	2.4	7
553	Advances on colorectal cancer 3D models: The needed translational technology for nanomedicine screening. <i>Advanced Drug Delivery Reviews</i> , 2021, 175, 113824.	13.7	27
555	Metabolic adjustments during starvation in <i>Daphnia pulex</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2021, 255, 110591.	1.6	15
556	An antioxidant system through conjugating superoxide dismutase onto metal-organic framework for cardiac repair. <i>Bioactive Materials</i> , 2022, 10, 56-67.	15.6	9
557	Hypoxic Jumbo Spheroids On-A-Chip (HOnAChip): Insights into Treatment Efficacy. <i>Cancers</i> , 2021, 13, 4046.	3.7	11
558	Ecological adaptations of Amazonian fishes acquired during evolution under environmental variations in dissolved oxygen: A review of responses to hypoxia in fishes, featuring the hypoxia-tolerant <i>Astronotus</i> spp.. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2021, 335, 771-786.	1.9	7
559	Hypoxia stimulates angiogenesis and a metabolic switch in human parathyroid adenoma cells. <i>Endocrine Oncology</i> , 2021, 1, 23-32.	0.4	0
560	Oxygen in Metabolic Dysfunction and Its Therapeutic Relevance. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 642-687.	5.4	2
561	The Mesangial cell – the glomerular stromal cell. <i>Nature Reviews Nephrology</i> , 2021, 17, 855-864.	9.6	50
562	Keratinocytes Counteract UVB-Induced Immunosuppression in Mice through HIF-1 α Signaling. <i>Journal of Investigative Dermatology</i> , 2022, 142, 1183-1193.	0.7	5
563	Efficacy of roxadustat in treatment of peritoneal dialysis patients with renal anaemia. <i>World Journal of Clinical Cases</i> , 2021, 9, 7682-7692.	0.8	1
564	Reducing tumor invasiveness by ramucirumab and TGF α 2 receptor kinase inhibitor in a diffuse-type gastric cancer patient-derived cell model. <i>Cancer Medicine</i> , 2021, 10, 7253-7262.	2.8	10
565	The role of hypoxia-inducible factors in the development of chronic pathology. <i>Ukrainian Biochemical Journal</i> , 2021, 93, 18-25.	0.5	1
566	Up-down regulation of HIF-1 α in cancer progression. <i>Gene</i> , 2021, 798, 145796.	2.2	95
567	The molecular basis of allostery in a facilitated dissociation process. <i>Structure</i> , 2021, 29, 1327-1338.e5.	3.3	6

#	ARTICLE	IF	CITATIONS
568	Metabolic reprogramming due to hypoxia in pancreatic cancer: Implications for tumor formation, immunity, and more. <i>Biomedicine and Pharmacotherapy</i> , 2021, 141, 111798.	5.6	33
569	HIF-1 \pm Hydroxyprolines Modulate Oxygen-Dependent Protein Stability Via Single VHL Interface With Comparable Effect on Ubiquitination Rate. <i>Journal of Molecular Biology</i> , 2021, 433, 167244.	4.2	12
570	Shaping the synthesis of surfactant-stabilized oxygen microbubbles to accommodate encapsulated drug. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 208, 112049.	5.0	5
571	Transcriptome sequencing provides insights into the mechanism of hypoxia adaption in bighead carp (<i>Hypophthalmichthys nobilis</i>). <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2021, 40, 100891.	1.0	8
572	Erythropoietin in bone homeostasis—Implications for efficacious anemia therapy. <i>Stem Cells Translational Medicine</i> , 2021, 10, 836-843.	3.3	10
573	A dual-catalytic nanoreactor for synergistic chemodynamic-starvation therapy toward tumor metastasis suppression. <i>Biomaterials Science</i> , 2021, 9, 3814-3820.	5.4	20
574	Hemoglobin in Arthropods—Daphnia as a Model. <i>Sub-Cellular Biochemistry</i> , 2020, 94, 163-194.	2.4	8
575	The Switch: Mechanisms Governing Macrophage Phenotypic Variability in Liver Disease. , 2017, , 53-74.		1
576	Pathogenetic Mechanisms in Diabetic Retinopathy: From Molecules to Cells to Tissues. , 2017, , 209-247.		7
577	Spatial maps of prostate cancer transcriptomes reveal an unexplored landscape of heterogeneity. <i>Nature Communications</i> , 2018, 9, 2419.	12.8	374
578	Gene transcription and chromatin regulation in hypoxia. <i>Biochemical Society Transactions</i> , 2020, 48, 1121-1128.	3.4	22
579	Co-expression of KIAA1199 and hypoxia-inducible factor 1 \pm is a biomarker for an unfavorable prognosis in hepatocellular carcinoma. <i>Medicine (United States)</i> , 2020, 99, e23369.	1.0	5
580	Vascular Regeneration in Peripheral Artery Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 1627-1634.	2.4	66
581	MicroRNA-668 represses MTP18 to preserve mitochondrial dynamics in ischemic acute kidney injury. <i>Journal of Clinical Investigation</i> , 2018, 128, 5448-5464.	8.2	85
582	FoxO3 activation in hypoxic tubules prevents chronic kidney disease. <i>Journal of Clinical Investigation</i> , 2019, 129, 2374-2389.	8.2	88
583	At the crossroads of oxygen and iron sensing: hepcidin control of HIF-2 \pm . <i>Journal of Clinical Investigation</i> , 2018, 129, 72-74.	8.2	9
584	Roles of HIFs and VEGF in angiogenesis in the retina and brain. <i>Journal of Clinical Investigation</i> , 2019, 129, 3807-3820.	8.2	117
585	Hypoxia-inducible factor signaling in pulmonary hypertension. <i>Journal of Clinical Investigation</i> , 2020, 130, 5638-5651.	8.2	104

#	ARTICLE	IF	CITATIONS
586	Hypoxia-inducible factors and obstructive sleep apnea. <i>Journal of Clinical Investigation</i> , 2020, 130, 5042-5051.	8.2	135
587	Distinct subpopulations of FOXD1 stroma-derived cells regulate renal erythropoietin. <i>Journal of Clinical Investigation</i> , 2016, 126, 1926-1938.	8.2	91
588	Oxygen metabolism and barrier regulation in the intestinal mucosa. <i>Journal of Clinical Investigation</i> , 2016, 126, 3680-3688.	8.2	120
589	Mechanistically distinct cancer-associated mTOR activation clusters predict sensitivity to rapamycin. <i>Journal of Clinical Investigation</i> , 2016, 126, 3526-3540.	8.2	82
590	Low-cost single-point optoacoustic sensor for spectroscopic measurement of local vascular oxygenation. <i>Optics Letters</i> , 2020, 45, 6579.	3.3	4
591	Physiological and genetic convergence supports hypoxia resistance in high-altitude songbirds. <i>PLoS Genetics</i> , 2020, 16, e1009270.	3.5	12
592	Intermediary Metabolite Precursor Dimethyl-2-Ketoglutarate Stabilizes Hypoxia-Inducible Factor-1 α by Inhibiting Prolyl-4-Hydroxylase PHD2. <i>PLoS ONE</i> , 2014, 9, e113865.	2.5	30
593	T Helper Cell Activation and Expansion Is Sensitive to Glutaminase Inhibition under Both Hypoxic and Normoxic Conditions. <i>PLoS ONE</i> , 2016, 11, e0160291.	2.5	28
594	Integrated Analysis of Long Noncoding RNA and mRNA Expression Profile in Advanced Laryngeal Squamous Cell Carcinoma. <i>PLoS ONE</i> , 2016, 11, e0169232.	2.5	51
595	Structural and functional analysis of coral Hypoxia Inducible Factor. <i>PLoS ONE</i> , 2017, 12, e0186262.	2.5	20
597	Microglia enhances proliferation of neural progenitor cells in an model of hypoxic-ischemic injury. <i>EXCLI Journal</i> , 2020, 19, 950-961.	0.7	8
598	HIF-1 α -dependent regulation of lifespan in <i>Caenorhabditis elegans</i> by the acyl-CoA-binding protein MAA-1. <i>Aging</i> , 2017, 9, 1745-1769.	3.1	18
599	Taking a HIF pill for old age diseases?. <i>Aging</i> , 2018, 10, 290-292.	3.1	5
600	Hypoxia-induced microRNA-10b-3p promotes esophageal squamous cell carcinoma growth and metastasis by targeting TSGA10. <i>Aging</i> , 2019, 11, 10374-10384.	3.1	31
601	Ube2s-stabilized β -catenin protects against myocardial ischemia/reperfusion injury by activating HIF-1 α signaling. <i>Aging</i> , 2020, 12, 5716-5732.	3.1	8
602	Dual oxidase 2 and pancreatic adenocarcinoma: IFN- γ -mediated dual oxidase 2 overexpression results in H2O2-induced, ERK-associated up-regulation of HIF-1 α and VEGF-A. <i>Oncotarget</i> , 2016, 7, 68412-68433.	1.8	36
603	Molecular and functional evaluation of a novel HIF inhibitor, benzopyranyl 1,2,3-triazole compound. <i>Oncotarget</i> , 2017, 8, 7801-7813.	1.8	22
604	The miR-486-5p plays a causative role in prostate cancer through negative regulation of multiple tumor suppressor pathways. <i>Oncotarget</i> , 2017, 8, 72835-72846.	1.8	51

#	ARTICLE	IF	CITATIONS
605	Hypoxia-inducible factor-1 \pm activation in HPV-positive head and neck squamous cell carcinoma cell lines. <i>Oncotarget</i> , 2017, 8, 89681-89691.	1.8	15
606	Syringaresinol protects against hypoxia/reoxygenation-induced cardiomyocytes injury and death by destabilization of HIF-1 \pm in a FOXO3-dependent mechanism. <i>Oncotarget</i> , 2015, 6, 43-55.	1.8	36
607	Targeting lactate transport suppresses <i>in vivo</i> breast tumour growth. <i>Oncotarget</i> , 2015, 6, 19177-19189.	1.8	92
608	HIF-1 \pm and TAZ serve as reciprocal co-activators in human breast cancer cells. <i>Oncotarget</i> , 2015, 6, 11768-11778.	1.8	59
609	Artemin is hypoxia responsive and promotes oncogenicity and increased tumor initiating capacity in hepatocellular carcinoma. <i>Oncotarget</i> , 2016, 7, 3267-3282.	1.8	25
610	Hypoxia-inducible factor 1 upregulation of both VEGF and ANGPTL4 is required to promote the angiogenic phenotype in uveal melanoma. <i>Oncotarget</i> , 2016, 7, 7816-7828.	1.8	102
611	Downregulation and pro-apoptotic effect of hypoxia-inducible factor 2 alpha in hepatocellular carcinoma. <i>Oncotarget</i> , 2016, 7, 34571-34581.	1.8	25
612	Redox mechanisms in pathological angiogenesis in the retina: roles for NADPH oxidase. <i>Current Pharmaceutical Design</i> , 2015, 21, 5988-5998.	1.9	20
613	Hypoxia Responsive Drug Delivery Systems in Tumor Therapy. <i>Current Pharmaceutical Design</i> , 2016, 22, 2808-2820.	1.9	34
614	One Special Question to Start with: Can HIF/NF κ B be a Target in Inflammation?. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2015, 15, 171-185.	1.2	18
615	Mediator kinase module and human tumorigenesis. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2015, 50, 393-426.	5.2	88
616	Participation of opioid receptors in the cytoprotective effect of chronic normobaric hypoxia. <i>Physiological Research</i> , 2019, 68, 245-253.	0.9	11
617	The Critical Role of Cell Metabolism for Essential Neutrophil Functions. <i>Cellular Physiology and Biochemistry</i> , 2020, 54, 629-647.	1.6	54
618	Bacterial Template Synthesis of Multifunctional Nanospindles for Glutathione Detection and Enhanced Cancer-Specific Chemo-Chemodynamic Therapy. <i>Research</i> , 2020, 2020, 9301215.	5.7	46
619	Long non-coding RNA NORAD regulates angiogenesis of human umbilical vein endothelial cells via miR-590-3p under hypoxic conditions. <i>Molecular Medicine Reports</i> , 2020, 21, 2560-2570.	2.4	15
620	CITED2 and the modulation of the hypoxic response in cancer. <i>World Journal of Clinical Oncology</i> , 2020, 11, 260-274.	2.3	10
621	TGF- β 2 inhibition combined with cytotoxic nanomedicine normalizes triple negative breast cancer microenvironment towards anti-tumor immunity. <i>Theranostics</i> , 2020, 10, 1910-1922.	10.0	110
622	N-myc Downstream-Regulated Gene 2 (NDRG2) Function as a Positive Regulator of Apoptosis: A New Insight into NDRG2 as a Tumor Suppressor. <i>Cells</i> , 2021, 10, 2649.	4.1	14

#	ARTICLE	IF	CITATIONS
623	Vimentin Is at the Heart of Epithelial Mesenchymal Transition (EMT) Mediated Metastasis. Cancers, 2021, 13, 4985.	3.7	145
624	Established pulmonary hypertension in rats was reversed by a combination of a HIF1 α antagonist and a p53 agonist. British Journal of Pharmacology, 2022, 179, 1065-1081.	5.4	13
625	Metformin reduces macrophage HIF1 α -dependent proinflammatory signaling to restore brown adipocyte function in vitro. Redox Biology, 2021, 48, 102171.	9.0	15
626	VEGF A. , 2014, , 1-14.		0
627	Multiple effects of intracellular pH modulation in cancer cells. Cancer Cell & Microenvironment, 0, , .	0.8	0
628	The Defining Characteristics of Pulmonary Arterial Hypertension. , 2016, , 17-28.		0
629	The Implication of Antiangiogenic Treatment of Malignancies on Human Metabolism. , 2017, , 1-12.		0
631	Anaemia of Chronic Kidney Disease: What We Know Now. Journal of Renal and Hepatic Disorders, 2017, 1, 11-19.	0.2	2
632	Brief Introduction to the Basic Scientific Principles of Hematopoietic Stem Cell Transplantation (HSCT). , 2018, , 19-53.		0
633	Construction and Development of a Cardiac Tissue-Specific and Hypoxia-Inducible Expression Vector. Advanced Pharmaceutical Bulletin, 2018, 8, 29-38.	1.4	3
635	Anti-angiogenic Cancer Therapy: Development of Resistance. , 2019, , 313-323.		1
636	The Implication of Anti-angiogenic Treatment of Malignancies on Human Metabolism. , 2019, , 661-672.		0
637	Farkl \pm H \pm 4cre Hatlar \pm nda Hipoksik Ko \pm ullarda ADAMTS-2 \pm adesinin De \pm i \pm imi. Afyon Kocatepe University Journal of Sciences and Engineering, 2019, 19, 22-33.	0.2	1
643	Design of \pm clinical prospective study: application of \pm gene, cell therapy and indirect revascularization for \pm treatment of \pm patients with non-reconstructive chronic lower limb ischemia. UMJ Heart & Vessels, 2019, , .	0.0	0
644	High-Altitude Is Associated with Better Short-Term Survival in Critically Ill COVID-19 Patients Admitted to the ICU. SSRN Electronic Journal, 0, , .	0.4	1
647	Comprehensive Analysis of 13C6 Glucose Fate in the Hypoxia-Tolerant Blind Mole Rat Skin Fibroblasts. Metabolites, 2021, 11, 734.	2.9	6
648	Glutamine Homeostasis and Its Role in the Adaptive Strategies of the Blind Mole Rat, Spalax. Metabolites, 2021, 11, 755.	2.9	7
649	Canonical and Non-Canonical Roles of PFKFB3 in Brain Tumors. Cells, 2021, 10, 2913.	4.1	8

#	ARTICLE	IF	CITATIONS
650	Modulating hypoxia inducible factor-1 by nanomaterials for effective cancer therapy. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2022, 14, e1766.	6.1	9
651	HIF-1 as a Potential Therapeutic Target for Tuberculosis Treatment. , 2021, , 41-59.		0
652	Cancer Stem Cells and the Development of Cancer. Learning Materials in Biosciences, 2020, , 151-192.	0.4	0
654	The Influence of Bcl-3 Expression on Cell Migration and Chemosensitivity of Gastric Cancer Cells via Regulating Hypoxia-Induced Protective Autophagy. Journal of Gastric Cancer, 2020, 20, 95.	2.5	6
655	Generation and characterization of human embryonic stem cells with increased expression of HIF-2a. Genes and Cells, 2020, 15, 29-36.	0.2	0
656	Topical administration of pterostilbene accelerates burn wound healing in diabetes through activation of the HIF1 signaling pathway. Burns, 2022, 48, 1452-1461.	1.9	11
657	SRC-3 Knockout Attenuates Myocardial Injury Induced by Chronic Intermittent Hypoxia in Mice. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-13.	4.0	8
658	Electroacupuncture Upregulates HIF-1 and SOX9 Expression in Knee Osteoarthritis. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-9.	1.2	4
659	Emodin alleviates acute hypoxia-induced apoptosis in gibel carp (Carassius gibelio) by upregulating autophagy through modulation of the AMPK/mTOR pathway. Aquaculture, 2022, 548, 737689.	3.5	16
660	Effect of sodium (<i>S</i>)-2-hydroxyglutarate in male, and succinic acid in female Wistar rats against renal ischemia-reperfusion injury, suggesting a role of the HIF-1 pathway. PeerJ, 2020, 8, e9438.	2.0	7
661	Cloning of ADAMTS-2 Gene and Its Effect on Colony Formation in Saos-2 Cell Line Under Normal and Hypoxic Conditions. Adıyaman University Journal of Science, 0, , .	0.0	0
662	Detection of Hypoxic Regions in the Bone Microenvironment. Methods in Molecular Biology, 2021, 2230, 345-356.	0.9	1
663	Downregulating hypoxia-inducible factor-1 expression with perfluorooctyl-bromide nanoparticles reduces early brain injury following experimental subarachnoid hemorrhage in rats. American Journal of Translational Research (discontinued), 2016, 8, 2114-26.	0.0	3
664	Sapylin promotes wound healing in mouse skin flaps. American Journal of Translational Research (discontinued), 2017, 9, 3017-3026.	0.0	3
665	The Effects of Combination of Coix Seed Extract and Cisplatin on TAM and Expression of HIF-1 in Vivo in Lewis Lung Carcinoma. Iranian Journal of Public Health, 2018, 47, 838-843.	0.5	8
668	Aryne-mediated construction of fluorene skeletons and its applications to total synthesis of selaginulvilins. Strategies and Tactics in Organic Synthesis, 2022, 15, 149-175.	0.1	0
669	Adipose Tissue Fibrosis in Obesity: Etiology and Challenges. Annual Review of Physiology, 2022, 84, 135-155.	13.1	49
670	Intrabody Targeting HIF-1 Mediates Transcriptional Downregulation of Target Genes Related to Solid Tumors. International Journal of Molecular Sciences, 2021, 22, 12335.	4.1	2

#	ARTICLE	IF	CITATIONS
671	Treatment with sodium (<i>S</i>)-2-hydroxyglutarate prevents liver injury in an ischemia-reperfusion model in female Wistar rats. PeerJ, 2021, 9, e12426.	2.0	1
672	Selective Targeting and Tissue Penetration to the Retina by a Systemically Administered Vascular Homing Peptide in Oxygen Induced Retinopathy (OIR). Pharmaceutics, 2021, 13, 1932.	4.5	6
673	Hypoxia-Inducible Factor Stabilizers in End Stage Kidney Disease: “Can the Promise Be Kept?”. International Journal of Molecular Sciences, 2021, 22, 12590.	4.1	7
674	Identification of Clinical and Tumor Microenvironment Characteristics of Hypoxia-Related Risk Signature in Lung Adenocarcinoma. Frontiers in Molecular Biosciences, 2021, 8, 757421.	3.5	5
675	Integration and Visualization of Regulatory Elements and Variations of the EPAS1 Gene in Human. Genes, 2021, 12, 1793.	2.4	8
676	Hif-1a suppresses ROS-induced proliferation of cardiac fibroblasts following myocardial infarction. Cell Stem Cell, 2022, 29, 281-297.e12.	11.1	71
677	Hypoxia Enhances Activity and Malignant Behaviors of Colorectal Cancer Cells through the STAT3/MicroRNA-19a/PTEN/PI3K/AKT Axis. Analytical Cellular Pathology, 2021, 2021, 1-19.	1.4	8
678	Targeting hypoxia and hypoxia-inducible factor in the tumor microenvironment for optimal cancer immunotherapy. Journal of Cellular Physiology, 2022, 237, 1285-1298.	4.1	20
679	Mitochondrial acute oxygen sensing and signaling. Critical Reviews in Biochemistry and Molecular Biology, 2022, 57, 205-225.	5.2	12
680	A review of the biological role of miRNAs in prostate cancer suppression and progression. International Journal of Biological Macromolecules, 2022, 197, 141-156.	7.5	74
681	Detection of Hypertension-Induced Changes in Erythrocytes by SERS Nanosensors. Biosensors, 2022, 12, 32.	4.7	10
682	Oxygen-evolving photosynthetic cyanobacteria for 2D bismuthene radiosensitizer-enhanced cancer radiotherapy. Bioactive Materials, 2022, 17, 276-288.	15.6	13
683	Interaction Among Noncoding RNAs, DNA Damage Reactions, and Genomic Instability in the Hypoxic Tumor: Is it Therapeutically Exploitable Practice?. Current Molecular Medicine, 2023, 23, 200-215.	1.3	2
684	Bioactivities and mechanisms of natural medicines in the management of pulmonary arterial hypertension. Chinese Medicine, 2022, 17, 13.	4.0	2
686	Aged Mouse Hippocampus Exhibits Signs of Chronic Hypoxia and an Impaired HIF-Controlled Response to Acute Hypoxic Exposures. Cells, 2022, 11, 423.	4.1	7
687	Exosome-derived noncoding RNAs: Function, mechanism, and application in tumor angiogenesis. Molecular Therapy - Nucleic Acids, 2022, 27, 983-997.	5.1	24
688	Mitochondrial Redox Signaling in O ₂ -Sensing Chemoreceptor Cells. Antioxidants and Redox Signaling, 2022, 37, 274-289.	5.4	9
689	Advanced platelet-rich fibrin promotes the paracrine function and proliferation of adipose-derived stem cells and contributes to micro-autologous fat transplantation by modulating HIF-1 α and VEGF. Annals of Translational Medicine, 2022, 10, 60-60.	1.7	4

#	ARTICLE	IF	CITATIONS
690	Inactivation of EGLN3 hydroxylase facilitates Erk3 degradation via autophagy and impedes lung cancer growth. <i>Oncogene</i> , 2022, 41, 1752-1766.	5.9	22
691	Cancer Stem Cells: An Ever-Hiding Foe. <i>Experientia Supplementum</i> (2012), 2022, 113, 219-251.	0.9	1
692	EPO activates PI3K-IKK β -CDK1 signaling pathway to promote the proliferation of Glial Cells under hypoxia environment. <i>Genetics and Molecular Biology</i> , 2022, 45, e20210249.	1.3	13
694	Systems approaches to understand oxygen sensing: how multi-omics has driven advances in understanding oxygen-based signalling. <i>Biochemical Journal</i> , 2022, 479, 245-257.	3.7	5
695	The transcriptomic responses of blunt snout bream (<i>Megalobrama amblycephala</i>) to acute hypoxia stress alone, and in combination with bortezomib. <i>BMC Genomics</i> , 2022, 23, 162.	2.8	8
696	Infarto agudo do miocárdio: Do diagnóstico à intervenção. <i>Research, Society and Development</i> , 2022, 11, e23811326447.	0.1	1
697	Nanotechnology Tools Enabling Biological Discovery. <i>ACS Nano</i> , 2022, 16, 5062-5084.	14.6	18
698	Obstructive Sleep Apnea Affects Lacrimal Gland Function. , 2022, 63, 3.		4
699	Deficits in Seizure Threshold and Other Behaviors in Adult Mice without Gross Neuroanatomic Injury after Late Gestation Transient Prenatal Hypoxia. <i>Developmental Neuroscience</i> , 2022, 44, 246-265.	2.0	8
700	Dihydroartemisinin ameliorates chronic nonbacterial prostatitis and epithelial cellular inflammation by blocking the E2F7/HIF1 β pathway. <i>Inflammation Research</i> , 2022, 71, 449-460.	4.0	3
701	HCG15 is a hypoxia-responsive lncRNA and facilitates hepatocellular carcinoma cell proliferation and invasion by enhancing ZNF641 transcription. <i>Biochemical and Biophysical Research Communications</i> , 2022, 608, 170-176.	2.1	4
702	Hypoxia Enhances HIF1 β Transcription Activity by Upregulating KDM4A and Mediating H3K9me3, Thus Inducing Ferroptosis Resistance in Cervical Cancer Cells. <i>Stem Cells International</i> , 2022, 2022, 1-16.	2.5	13
703	High-altitude is associated with better short-term survival in critically ill COVID-19 patients admitted to the ICU. <i>PLoS ONE</i> , 2022, 17, e0262423.	2.5	16
704	Melatonin Attenuates Dasatinib-Aggravated Hypoxic Pulmonary Hypertension via Inhibiting Pulmonary Vascular Remodeling. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 790921.	2.4	7
705	Gene expression of hypoxia-inducible factor (HIF), HIF regulators, and putative HIF targets in ventricle and telencephalon of <i>Trachemys scripta</i> acclimated to 21 $^{\circ}$ C or 5 $^{\circ}$ C and exposed to normoxia, anoxia or reoxygenation. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2022, 267, 111167.	1.8	4
706	Lentivirus-shRNA Mediated Prolyl Hydroxylase 2 Knockdown Increases HIF-1 β and Inhibits Nucleus Pulposus Cells Degeneration. <i>Cells Tissues Organs</i> , 2023, 212, 185-193.	2.3	1
707	Indicators of Hypoxia Tolerance as Determined by Cellular Elements of Rat Blood. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2021, 57, 1231-1240.	0.6	0
708	Origin and Development of the Adipose Tissue, a Key Organ in Physiology and Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 786129.	3.7	25

#	ARTICLE	IF	CITATIONS
709	MORGL1A Negative Modulator of Renal Lipid Metabolism in Murine Diabetes. <i>Biomedicines</i> , 2022, 10, 30.	3.2	4
710	Discovery of Solidoside-Derived Glycoside Analogues as Novel Angiogenesis Agents to Treat Diabetic Hind Limb Ischemia. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 135-162.	6.4	6
711	Differentiation of cancer stem cells into erythroblasts in the presence of CoCl ₂ . <i>Scientific Reports</i> , 2021, 11, 23977.	3.3	8
712	miR-140-5p Attenuates Hypoxia-Induced Breast Cancer Progression by Targeting Nrf2/HO-1 Axis in a Keap1-Independent Mechanism. <i>Cells</i> , 2022, 11, 12.	4.1	15
713	A promising prognostic signature for lung adenocarcinoma (LUAD) patients basing on 6 hypoxia-related genes. <i>Medicine (United States)</i> , 2021, 100, e28237.	1.0	4
714	Screening prolyl hydroxylase domain 2 inhibitory activity of traditional Chinese medicine by CZE-UV. <i>Electrophoresis</i> , 2022, 43, 1601-1610.	2.4	2
715	EGLN1 prolyl hydroxylation of hypoxia-induced transcription factor HIF1 α is repressed by SET7-catalyzed lysine methylation. <i>Journal of Biological Chemistry</i> , 2022, 298, 101961.	3.4	4
716	Correlation and colocalization of HIF-1 α and pimonidazole staining for hypoxia in laryngeal squamous cell carcinomas: A digital, single-cell-based analysis. <i>Oral Oncology</i> , 2022, 128, 105862.	1.5	3
717	Mammalian O ₂ Sensing and Signalling. 2-Oxoglutarate-Dependent Oxygenases, 2017, , 219-252.	0.8	0
723	Effect of Hypoxia on the Function of the Human Serotonin _{1A} Receptor. <i>ACS Chemical Neuroscience</i> , 2022, 13, 1456-1466.	3.5	6
726	Abnormalities of hsa-mir-16 and hsa-mir-124 Affect Mitochondrial Function and Fatty Acid Metabolism in Tetralogy of Fallot. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2023, 26, 373-382.	1.1	2
727	Open Search-Based Proteomics Reveals Widespread Tryptophan Modifications Associated with Hypoxia in Lung Cancer. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-18.	4.0	1
728	Methylsulfonylmethane relieves cobalt chloride-induced hypoxic toxicity in C2C12 myoblasts. <i>Life Sciences</i> , 2022, 301, 120619.	4.3	0
729	Low-cost high-resolution photoacoustic microscopy of blood oxygenation with two laser diodes. <i>Biomedical Optics Express</i> , 2022, 13, 3893.	2.9	4
730	A Novel Predictive Model for Adrenocortical Carcinoma Based on Hypoxia- and Ferroptosis-Related Gene Expression. <i>Frontiers in Medicine</i> , 2022, 9, .	2.6	2
731	LncRNA USP2-AS1 Promotes Hepatocellular Carcinoma Growth by Enhancing YBX1-Mediated HIF1 α Protein Translation Under Hypoxia. <i>Frontiers in Oncology</i> , 2022, 12, .	2.8	5
732	Exploration of Different Hypoxia Patterns and Construction of a Hypoxia-Related Gene Prognostic Index in Colorectal Cancer. <i>Frontiers in Immunology</i> , 2022, 13, .	4.8	2
733	Towards Immunotherapy-Induced Normalization of the Tumor Microenvironment. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	3.7	7

#	ARTICLE	IF	CITATIONS
734	Oxygen level regulates N-terminal translation elongation of selected proteins through deoxyhypusine hydroxylation. <i>Cell Reports</i> , 2022, 39, 110855.	6.4	3
735	Dyslipidemia in Children Treated with a BRAF Inhibitor for Low-Grade Gliomas: A New Side Effect?. <i>Cancers</i> , 2022, 14, 2693.	3.7	2
736	Effects of Intermittent Hypoxia on Performance- and Health-Related Outcomes in Humans: A Systematic Review. <i>Sports Medicine - Open</i> , 2022, 8, .	3.1	21
737	Hypoxia-inducible factors: roles in cardiovascular disease progression, prevention, and treatment. <i>Cardiovascular Research</i> , 2023, 119, 371-380.	3.8	10
739	OTUB1 augments hypoxia signaling via its non-canonical ubiquitination inhibition of HIF-1 α during hypoxia adaptation. <i>Cell Death and Disease</i> , 2022, 13, .	6.3	7
740	Positive end-expiratory pressure and risk of postoperative pulmonary complications in patients living at high altitudes and undergoing surgery at low altitudes: a single-centre, retrospective observational study in China. <i>BMJ Open</i> , 2022, 12, e057698.	1.9	2
741	<i>Coxiella burnetii</i> Affects HIF1 α Accumulation and HIF1 α Target Gene Expression. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	3.9	3
742	The effect of HIF on metabolism and immunity. <i>Nature Reviews Nephrology</i> , 2022, 18, 573-587.	9.6	114
743	The endothelial cells in cancer: an outline. , 2022, , 101-129.		0
744	The Mechanism of HIF-PHI in the Treatment of Renal Anemia and the Research Progress of Roxadustat. <i>Advances in Clinical Medicine</i> , 2022, 12, 5891-5896.	0.0	0
745	Crosstalk between angiogenesis and immune regulation in the tumor microenvironment. <i>Archives of Pharmacal Research</i> , 2022, 45, 401-416.	6.3	32
746	ALCOHOL-INDUCED EXPRESSION OF VASCULAR ENDOTHELIAL GROWTH FACTOR AND STRUCTURAL CHANGES IN RAT CARDIOMYOCYTES. <i>Ulyanovsk Medico-biological Journal</i> , 2022, , 102-116.	0.2	0
747	Hypoxia signaling in human health and diseases: implications and prospects for therapeutics. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	17.1	81
748	Transcriptomic analysis of preovipositional embryonic arrest in a nonsquamate reptile (<i>Chelonia</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 1	3.9	3
749	Nanodelivery Systems Delivering Hypoxia-Inducible Factor-1 Alpha Short Interfering RNA and Antisense Oligonucleotide for Cancer Treatment. <i>Frontiers in Nanotechnology</i> , 0, 4, .	4.8	2
750	Cellular Prion Protein Is Closely Associated with Early Recurrence and Poor Survival in Patients with Hepatocellular Carcinoma. <i>Diagnostics</i> , 2022, 12, 1635.	2.6	2
751	HIF1 α : A Novel Biomarker with Potential Prognostic and Immunotherapy in Pan-cancer. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-17.	4.0	4
752	Hypoxia-Induced Immune-Related Gene SLC19A1 Serves as a Potential Biomarker for Prognosis in Multiple Myeloma. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	4

#	ARTICLE	IF	CITATIONS
754	Assessment of the association of OCT3/4 with GLUT1 and CD105 in oral squamous cell carcinoma using dual immunohistochemistry. BMC Oral Health, 2022, 22, .	2.3	3
755	Oxygen Sensing in Neurodegenerative Diseases: Current Mechanisms, Implication of Transcriptional Response, and Pharmacological Modulation. Antioxidants and Redox Signaling, 2023, 38, 160-182.	5.4	4
756	Hypoxia: molecular pathophysiological mechanisms in human diseases. Journal of Physiology and Biochemistry, 2022, 78, 739-752.	3.0	15
757	It takes two to tango: Widening our understanding of the onset of schizophrenia from a neuro-angiogenic perspective. Frontiers in Cell and Developmental Biology, 0, 10, .	3.7	0
758	Intermittent Hypoxia and Atherosclerosis: From Molecular Mechanisms to the Therapeutic Treatment. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-16.	4.0	4
759	HypDB: A functionally annotated web-based database of the proline hydroxylation proteome. PLoS Biology, 2022, 20, e3001757.	5.6	1
760	Network pharmacology combined with metabolomics reveals the mechanism of Fuzi decoction against chronic heart failure in rats. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2022, 1210, 123435.	2.3	4
761	A Study on the Pathogenesis of Vascular Cognitive Impairment and Dementia: The Chronic Cerebral Hypoperfusion Hypothesis. Journal of Clinical Medicine, 2022, 11, 4742.	2.4	17
762	Neuroprotective and Regenerative Effects of Growth Hormone (GH) in the Embryonic Chicken Cerebral Pallium Exposed to Hypoxicâ€Ischemic (HI) Injury. International Journal of Molecular Sciences, 2022, 23, 9054.	4.1	4
763	Measurement of kinetic isotope effects on peptide hydroxylation using MALDI-MS. Methods in Enzymology, 2023, , 363-380.	1.0	0
764	Functional Correlation Between ROS and Cancer Stem Cells in Cancer Progression. , 2022, , 1905-1929.		0
766	Emerging role of circRNAs in cancer under hypoxia (Review). Oncology Letters, 2022, 24, .	1.8	2
767	Mitochondrial Regulation of the Hypoxia-Inducible Factor in the Development of Pulmonary Hypertension. Journal of Clinical Medicine, 2022, 11, 5219.	2.4	2
768	Adaptive mechanisms in no flow vs. low flow ischemia in equine jejunum epithelium: Different paths to the same destination. Frontiers in Veterinary Science, 0, 9, .	2.2	3
769	Exploring the Expression of Pro-Inflammatory and Hypoxia-Related MicroRNA-20a, MicroRNA-30e, and MicroRNA-93 in Periodontitis and Gingival Mesenchymal Stem Cells under Hypoxia. International Journal of Molecular Sciences, 2022, 23, 10310.	4.1	2
770	The Role of Hypoxia-Inducible Factor in the Mechanisms of Aging. Biochemistry (Moscow), 2022, 87, 995-1014.	1.5	2
771	Role of hypoxia in the tumor microenvironment and targeted therapy. Frontiers in Oncology, 0, 12, .	2.8	15
772	Transcriptome analysis of FOXO-dependent hypoxia gene expression identifies Hipk as a regulator of low oxygen tolerance in <i>Drosophila</i> . G3: Genes, Genomes, Genetics, 0, , .	1.8	1

#	ARTICLE	IF	CITATIONS
773	Epigenetic Regulation During Hypoxia and Its Implications in Cancer. Sub-Cellular Biochemistry, 2022, , 361-390.	2.4	1
774	M6A RNA Methylation Mediates NOD1/NF- κ B Signaling Activation in the Liver of Piglets Challenged with Lipopolysaccharide. Antioxidants, 2022, 11, 1954.	5.1	7
775	RUNX Family in Hypoxic Microenvironment and Angiogenesis in Cancers. Cells, 2022, 11, 3098.	4.1	4
776	HOCI Probe CPP Induces the Differentiation of Human Dermal Fibroblasts into Vascular Endothelial Cells through PHD2/HIF-1 \pm /HEY1 Signaling Pathway. Cells, 2022, 11, 3126.	4.1	2
777	Influence of acute and chronic intermittent hypoxic-hyperoxic exposure prior to aerobic exercise on cardiovascular risk factors in geriatric patientsâ€”a randomized controlled trial. Frontiers in Physiology, 0, 13, .	2.8	1
778	An overview of cdc2â€”like kinase 1 (Clk1) inhibitors and their therapeutic indications. Medicinal Research Reviews, 2023, 43, 343-398.	10.5	8
779	Methyltransferase SMYD3 impairs hypoxia tolerance by augmenting hypoxia signaling independent of its enzymatic activity. Journal of Biological Chemistry, 2022, 298, 102633.	3.4	5
780	The intricate interplay between HIFs, ROS, and the ubiquitin system in the tumor hypoxic microenvironment. , 2022, 240, 108303.		12
782	SOCS5 knockdown suppresses metastasis of hepatocellular carcinoma by ameliorating HIF-1 \pm -dependent mitochondrial damage. Cell Death and Disease, 2022, 13, .	6.3	2
783	Neurovascular responses to neuronal activity during sensory development. Frontiers in Cellular Neuroscience, 0, 16, .	3.7	0
784	Cardiac and Kidney Adverse Effects of HIF Prolyl-Hydroxylase Inhibitors for Anemia in Patients With CKD Not Receiving Dialysis: A Systematic Review and Meta-analysis. American Journal of Kidney Diseases, 2023, 81, 434-445.e1.	1.9	4
785	Hypoxic mesenchymal stem cell-derived exosomes alleviate ulcerative colitis injury by limiting intestinal epithelial cells reactive oxygen species accumulation and DNA damage through HIF-1 \pm . International Immunopharmacology, 2022, 113, 109426.	3.8	13
786	Targeted inhibition of the GRK2/HIF-1 \pm pathway is an effective strategy to alleviate synovial hypoxia and inflammation. International Immunopharmacology, 2022, 113, 109271.	3.8	3
787	Hypoxia Enhances Glioma Resistance to Sulfasalazine-Induced Ferroptosis by Upregulating SLC7A11 via PI3K/AKT/HIF-1 \pm Axis. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-22.	4.0	18
789	Pocket reduction with High Concentrated oxygen oral gel: A Preliminary Case Report. Research Journal of Pharmacy and Technology, 2022, , 4367-4371.	0.8	0
790	Roxadustat (FG-4592) protects against ischaemia-induced acute kidney injury via improving CD73 and decreasing AIM2 inflammasome activation. Nephrology Dialysis Transplantation, 2023, 38, 858-875.	0.7	7
791	Novel hypoxia-induced HIF1 \pm -circTDRD3-positive feedback loop promotes the growth and metastasis of colorectal cancer. Oncogene, 2023, 42, 238-252.	5.9	6
792	The HIF1 \pm polymorphism rs2301104 is associated with obesity and obesity-related cytokines in Han Chinese population. Acta Diabetologica, 0, , .	2.5	0

#	ARTICLE	IF	CITATIONS
793	Banxia baizhu tianma decoction, a Chinese herbal formula, for hypertension: Integrating meta-analysis and network pharmacology. <i>Frontiers in Pharmacology</i> , 0, 13, .	3.5	5
794	Targeting the lung endothelial niche to promote angiogenesis and regeneration: A review of applications. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	3.5	4
795	Role of Advanced Glycation End Products in Intervertebral Disc Degeneration: Mechanism and Therapeutic Potential. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-12.	4.0	6
796	Hypoxia-immune-related microenvironment prognostic signature for osteosarcoma. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	3.7	5
797	Hypoxia, acidification and oxidative stress in cells cultured at large distances from an oxygen source. <i>Scientific Reports</i> , 2022, 12, .	3.3	8
798	Targeting hypoxia-inducible factors for breast cancer therapy: A narrative review. <i>Frontiers in Pharmacology</i> , 0, 13, .	3.5	6
799	The evolutionarily conserved hif-1/bnip3 pathway promotes mitophagy and mitochondrial fission in crustacean testes during hypoxia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2023, 324, R128-R142.	1.8	2
800	Oxygen-releasing Gel vs 0.2% Chlorhexidine Gel as an Adjuvant to Scaling and Root Planing: A Randomized Controlled Trial. <i>World Journal of Dentistry</i> , 2022, 13, S220-S224.	0.3	0
801	Hypoxia-induced ROS aggravate tumor progression through HIF-1 α -SERPINE1 signaling in glioblastoma. <i>Journal of Zhejiang University: Science B</i> , 2023, 24, 32-49.	2.8	11
802	Hypoxia-Inducible Factor 1 α and Its Role in Lung Injury: Adaptive or Maladaptive. <i>Inflammation</i> , 2023, 46, 491-508.	3.8	6
803	Hypoxia Affects the Antioxidant Activity of Glutaredoxin 3 in <i>Scylla paramamosain</i> through Hypoxia Response Elements. <i>Antioxidants</i> , 2023, 12, 76.	5.1	0
804	Hypoxia-Inducible Factor 1 and Mitochondria: An Intimate Connection. <i>Biomolecules</i> , 2023, 13, 50.	4.0	11
805	Drug repurposing: A novel strategy to target cancer stem cells and therapeutic resistance. <i>Genes and Diseases</i> , 2024, 11, 148-175.	3.4	3
806	The Role of Solute Carrier Transporters in Efficient Anticancer Drug Delivery and Therapy. <i>Pharmaceutics</i> , 2023, 15, 364.	4.5	5
807	The Underexplored Landscape of Hypoxia-Inducible Factor 2 Alpha and Potential Roles in Tumor Macrophages: A Review. <i>Oxygen</i> , 2023, 3, 45-76.	5.0	5
808	Cancer Stem Cells and Their Therapeutic Usage. <i>Advances in Experimental Medicine and Biology</i> , 2023, , 69-85.	1.6	2
809	Altered trafficking of miRNAs at mitochondria modulates mitochondrial functions and cell death in brain ischemia. <i>Free Radical Biology and Medicine</i> , 2023, 199, 26-33.	2.9	0
810	Correlation between hypoxia and HGF/c-MET expression in the management of pancreatic cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2023, 1878, 188869.	7.4	1

#	ARTICLE	IF	CITATIONS
811	Molecular principles of tissue invasion and metastasis. American Journal of Physiology - Cell Physiology, 2023, 324, C971-C991.	4.6	4
812	RNA-binding proteins in degenerative joint diseases: A systematic review. Ageing Research Reviews, 2023, 86, 101870.	10.9	3
813	<i>In silico</i> analysis reveals hypoxia-induced miR-210-3p specifically targets SARS-CoV-2 RNA. Journal of Biomolecular Structure and Dynamics, 2023, 41, 12305-12327.	3.5	1
814	NF- κ B mediated regulation of tumor cell proliferation in hypoxic microenvironment. Frontiers in Pharmacology, 0, 14, .	3.5	6
815	Tumor microenvironment in glioblastoma: Current and emerging concepts. Neuro-Oncology Advances, 2023, 5, .	0.7	22
816	Functional exploration of SNP mutations in HIF2 β gene correlated with hypoxia tolerance in blunt snout bream (<i>Megalobrama amblycephala</i>). Fish Physiology and Biochemistry, 2023, 49, 239-251.	2.3	2
817	mTORC1 Deficiency Prevents the Development of MC903-Induced Atopic Dermatitis through the Downregulation of Type 2 Inflammation. International Journal of Molecular Sciences, 2023, 24, 5968.	4.1	3
818	Cartilage Regeneration Induced by HIF-1 α Through Different Pathways. , 0, 36, 1013-1019.		0
819	The role of hypoxia-inducible factor 1 α in hepatic lipid metabolism. Journal of Molecular Medicine, 2023, 101, 487-500.	3.9	2
820	Extracellular vesicles released during hypoxia transport heparanase and enhance macrophage migration, endothelial tube formation and cancer cell stemness. , 2023, 1, .		3
821	Distinct transcriptomic and epigenomic modalities underpin human memory T cell subsets and their activation potential. Communications Biology, 2023, 6, .	4.4	3
822	Three-dimensional core-shell alginate microsphere for cancer hypoxia simulation in vitro. Frontiers in Bioengineering and Biotechnology, 0, 11, .	4.1	0
823	Hypoxia and Senescence: Role of Oxygen in Modulation of Tumor Suppression. , 2023, , 89-117.		1
824	Selecting the appropriate indirect viability assay for 3D paper-based cultures: a data-driven study. Analyst, The, 0, , .	3.5	0
825	Therapeutic Potential of Clostridium novyi-NT in Cancer: Current Knowledge and Future Perspectives. Current Cancer Drug Targets, 2023, 23, 682-696.	1.6	1
826	Characterization of a novel prolyl hydroxylase 2 gene from mud crab <i>Scylla paramamosain</i> : Insights into its role in the regulation of hypoxia-inducible factor-1 α . Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2023, , 109634.	2.6	2
827	A novel protein encoded by circINSIG1 reprograms cholesterol metabolism by promoting the ubiquitin-dependent degradation of INSIG1 in colorectal cancer. Molecular Cancer, 2023, 22, .	19.2	7
828	eIF4EHP promotes Ldh mRNA translation in and fruit fly adaptation to hypoxia. EMBO Reports, 2023, 24, .	4.5	1

#	ARTICLE	IF	CITATIONS
829	Sirtuins Modulators Counteract Mitochondrial Dysfunction in Cellular Models of Hypoxia: Relevance to Schizophrenia. <i>Neuroscience</i> , 2023, 524, 269-284.	2.3	0
831	Protective effect of dihydromyricetin against lipopolysaccharide-induced HK2 cells by upregulating HIF-1 α . <i>Biotechnology and Genetic Engineering Reviews</i> , 0, , 1-11.	6.2	0
832	Cracking the code: Deciphering the role of the tumor microenvironment in osteosarcoma metastasis. <i>International Immunopharmacology</i> , 2023, 121, 110422.	3.8	1
833	Hypoxia inducible factor-1 α is an important regulator of macrophage biology. <i>Heliyon</i> , 2023, 9, e17167.	3.2	2
834	The role of tumor microenvironment on cancer stem cell fate in solid tumors. <i>Cell Communication and Signaling</i> , 2023, 21, .	6.5	10
835	Target and Cell Therapy for Atherosclerosis and CVD. <i>International Journal of Molecular Sciences</i> , 2023, 24, 10308.	4.1	2
836	Chaetocochin J exhibits anti-hepatocellular carcinoma effect independent of hypoxia. <i>Bioorganic Chemistry</i> , 2023, , 106701.	4.1	0
837	Metabolic reprogramming, oxidative stress, and pulmonary hypertension. <i>Redox Biology</i> , 2023, 64, 102797.	9.0	8
838	Impact of Exercise in Hypoxia on Inflammatory Cytokines in Adults: A Systematic Review and Meta-analysis. <i>Sports Medicine - Open</i> , 2023, 9, .	3.1	2
839	The Intersection of Pulmonary Vascular Disease and Hypoxia-Inducible Factors. <i>Interventional Cardiology Clinics</i> , 2023, 12, 443-452.	0.4	0
840	CIRP attenuates acute kidney injury after hypothermic cardiovascular surgery by inhibiting PHD3/HIF-1 α -mediated ROS-TGF- β 1/p38 MAPK activation and mitochondrial apoptotic pathways. <i>Molecular Medicine</i> , 2023, 29, .	4.4	2
841	Expression, Prognostic Value and Correlation with HPV Status of Hypoxia-Induced Markers in Sinonasal Squamous Cell Carcinoma. <i>Journal of Personalized Medicine</i> , 2023, 13, 767.	2.5	0
842	The Intriguing Role of Hypoxia-Inducible Factor in Myocardial Ischemia and Reperfusion: A Comprehensive Review. <i>Journal of Cardiovascular Development and Disease</i> , 2023, 10, 215.	1.6	2
844	Discovery of Cycloalkyl[<i>c</i>]thiophenes as Novel Scaffolds for Hypoxia-Inducible Factor-2 α Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2023, 66, 8666-8686.	6.4	0
845	Hypoxia inducible factor-1 α (HIF-1 α) in breast cancer: The crosstalk with oncogenic and onco-suppressor factors in regulation of cancer hallmarks. <i>Pathology Research and Practice</i> , 2023, 248, 154676.	2.3	1
846	Desidustat in anaemia in patients with chronic kidney disease: a profile of its use. <i>Drugs and Therapy Perspectives</i> , 0, , .	0.6	0
847	Hypoxia-Driven Responses in Chronic Kidney Disease. <i>Oxygen</i> , 2023, 3, 300-321.	5.0	1
848	High-Altitude Andean H194R <i>HIF2A</i> Allele Is a Hypomorphic Allele. <i>Molecular Biology and Evolution</i> , 2023, 40, .	8.9	2

#	ARTICLE	IF	CITATIONS
849	Hypoxia and panvascular diseases: exploring the role of hypoxia-inducible factors in vascular smooth muscle cells under panvascular pathologies. Science Bulletin, 2023, , .	9.0	1
850	Oxygen potentiates antiviral ability of zebrafish in response to SVCV infection. , 2023, 2, 100207.		1
852	<scp>HIF</scp>â€”1â€” inhibition in macrophages preserves acute liver failure by reducing <scp>IL</scp>â€”1â€”2 production. FASEB Journal, 2023, 37, .	0.5	0
853	Comparative analysis of liver transcriptome reveals adaptive responses to hypoxia environmental condition in Tibetan Chicken. Animal Bioscience, 0, , .	2.0	0
854	Normobaric hypoxia shows enhanced FOXO1 signaling in obese mouse gastrocnemius muscle linked to metabolism and muscle structure and neuromuscular innervation. Pflugers Archiv European Journal of Physiology, 2023, 475, 1265-1281.	2.8	1
855	Exploring the natural products chemical space through a molecular search to discover potential inhibitors that target the hypoxia-inducible factor (HIF) prolyl hydroxylase domain (PHD). Frontiers in Pharmacology, 0, 14, .	3.5	1
856	Genomic Variation, Population History, and Long-Term Genetic Adaptation to High Altitudes in Tibetan Partridge (<i>Perdix hodgsoniae</i>). Molecular Biology and Evolution, 2023, 40, .	8.9	0
857	LINC02774 inhibits glycolysis in glioma to destabilize HIFâ€”1â€” dependent on transcription factor RP58. MedComm, 2023, 4, .	7.2	0
859	Disruption of sirtuin 7 in zebrafish facilitates hypoxia tolerance. Journal of Biological Chemistry, 2023, 299, 105074.	3.4	1
860	Exploring the therapeutic potential of a nano micelle containing a carbon monoxide-releasing molecule for metabolic-associated fatty liver disease by modulating hypoxia-inducible factor-1â€”. Acta Biomaterialia, 2023, 169, 500-516.	8.3	3
861	Nme₂Cas9â€”mediated therapeutic editing in inhibiting angiogenesis after wet ageâ€”related macular degeneration onset. Clinical and Translational Medicine, 2023, 13, .	4.0	2
862	Hyperbaric oxygen therapy as a complementary treatment in neuroblastoma â€” a narrative review. Frontiers in Oncology, 0, 13, .	2.8	0
863	Reparative and Inflammatory Changes in Wounds in Animals with Different Resistance to Hypoxia. Journal of Anatomy and Histopathology, 2023, 12, 26-32.	0.2	0
865	Physiological oxygen measurements in vitro-SchrÃ¶dingerâ€™s cat in 3D cell biology. Frontiers in Bioengineering and Biotechnology, 0, 11, .	4.1	0
866	Tumor microenvironment-induced tumor cell plasticity: relationship with hypoxic stress and impact on tumor resistance. Frontiers in Oncology, 0, 13, .	2.8	1
867	Network Pharmacology and Molecular Docking Analysis of the Mechanisms of Combined Radix Bupleuri (Chai-Hu) and Radix Paeoniae Alba (Bai-Shao) Treatment in the Prevention and Treatment of Alzheimerâ€™s Disease. World Journal of Traditional Chinese Medicine, 0, , .	1.9	0
868	A Sequential Dual Functional Supramolecular Hydrogel with Promoted Drug Release to Scavenge ROS and Stabilize HIFâ€”1â€” for Myocardial Infarction Treatment. Advanced Healthcare Materials, 2024, 13, .	7.6	0
869	DMOG protects against murine IL-33-induced pulmonary type 2 inflammation through HIF-1 pathway in innate lymphoid cells. Biochemical and Biophysical Research Communications, 2023, 684, 149139.	2.1	1

#	ARTICLE	IF	CITATIONS
870	Alleviating hypoxia to improve cancer immunotherapy. Oncogene, 2023, 42, 3591-3604.	5.9	4
871	PBK correlates with prognosis, immune escape and drug response in LUAD. Scientific Reports, 2023, 13, .	3.3	1
872	Deletion of prolyl hydroxylase domain-containing enzyme 3 (phd3) in zebrafish facilitates hypoxia tolerance. Journal of Biological Chemistry, 2023, 299, 105420.	3.4	1
873	Hypoxia as a potential inducer of immune tolerance, tumor plasticity and a driver of tumor mutational burden: Impact on cancer immunotherapy. Seminars in Cancer Biology, 2023, 97, 104-123.	9.6	0
875	The development and experimental validation of hypoxia-related long noncoding RNAs prognostic signature in predicting prognosis and immunotherapy of cutaneous melanoma. Aging, 2023, 15, 11918-11939.	3.1	1
876	Post-Subfunctionalization Functions of HIF-1 \pm A and HIF-1 \pm B in Cyprinid Fish: Fine-Tuning Mitophagy and Apoptosis Regulation Under Hypoxic Stress. Journal of Molecular Evolution, 0, , .	1.8	0
877	ÐÐ°ÑÐ¿ÑÐµÑÑÐ,Ñ•Hif-1 \pm Ð, ÑÐ¾¼ÑÑfÐÐ,ÑÑ,Ð¾¼-Ñ,Ð°Ð°Ð½ÐµÐ²Ñ•Ðµ Ð,Ð•Ð½¼ÐµÐ½¼ÐµÐ½¼Ñ•Ð² Ð½¼Ð,Ð¾¼Ð°Ð°Ð°ÑÐÐÐµ Ð² ÑÐ°Ð°		
878	Research Progress of Hypoxia-Inducible Factor-1 and Ischemic Stroke. Advances in Clinical Medicine, 2023, 13, 18407-18417.	0.0	0
879	Strategic Replication of the Hepatic Zonation In Vitro Employing a Biomimetic Approach. ACS Applied Bio Materials, 0, , .	4.6	0
880	A HIF-1 \pm inhibitor combined with palmitic acid and L-carnitine treatment can prevent the fat metabolic reprogramming under hypoxia and induce apoptosis in hepatocellular carcinoma cells. Cancer & Metabolism, 2023, 11, .	5.0	0
881	The role of HIF in angiogenesis, lymphangiogenesis, and tumor microenvironment in urological cancers. Molecular Biology Reports, 2024, 51, .	2.3	0
882	Cancer Metastasis, ROS/Redox Signaling, and PCD Resistance/Redox Metabolism. , 2023, , 173-206.		0
883	Hypoxia inducible factor-1 \pm related mechanism and TCM intervention in process of early fracture healing. Chinese Herbal Medicines, 2024, 16, 56-69.	3.0	0
884	Aging changes the expression of adenosine receptors, insulin-like growth factor 1 (IGF1), and hypoxia-inducible factor 1 \pm (HIF1 \pm) in hypothalamic astrocyte cultures. Aging Brain, 2024, 5, 100104.	1.3	0
885	Adipose Tissue-Derived Extracellular Vesicles: A Promising Biomarker and Therapeutic Strategy for Metabolic Disorders. Stem Cells International, 2023, 2023, 1-16.	2.5	2
886	SGLT2 inhibitors, intrarenal hypoxia and the diabetic kidney: insights into pathophysiological concepts and current evidence. Archives of Medical Sciences Atherosclerotic Diseases, 2023, 8, 155-168.	1.0	0
887	Pan-cancer analysis of SERPINE family genes as biomarkers of cancer prognosis and response to therapy. Frontiers in Molecular Biosciences, 0, 10, .	3.5	0
888	Insights into the roles of non-coding RNAs and angiogenesis in glioblastoma: An overview of current research and future perspectives. Biochimica Et Biophysica Acta - General Subjects, 2024, 1868, 130567.	2.4	0

#	ARTICLE	IF	CITATIONS
890	Lactylation constrains OXPHOS under hypoxia. Cell Research, 2024, 34, 91-92.	12.0	0
891	Human colorectal cancer: upregulation of the adaptor protein Rai in TILs leads to cell dysfunction by sustaining GSK-3 activation and PD-1 expression. Cancer Immunology, Immunotherapy, 2024, 73, .	4.2	0
892	Zebrafish usp3 loss promotes hypoxic tolerance by disrupting deubiquitination of K63-polyubiquitinated hif-1 α . , 2024, 3, 100245.		0
893	Oncometabolite 2-hydroxyglutarate regulates anti-tumor immunity. Heliyon, 2024, 10, e24454.	3.2	0
895	Forces at play: exploring factors affecting the cancer metastasis. Frontiers in Immunology, 0, 15, .	4.8	0
896	High altitude retinopathy: An overview and new insights. Travel Medicine and Infectious Disease, 2024, 58, 102689.	3.0	0
897	Hypoxia causes trophoblast cell ferroptosis to induce miscarriage through Inc-HZ06/HIF1 α -SUMO/NCOA4 axis. Redox Biology, 2024, 70, 103073.	9.0	0
898	Prolyl hydroxylase inhibition protects against murine MC903-induced skin inflammation by downregulating TSLP. Frontiers in Immunology, 0, 15, .	4.8	0
899	NFATc2 promotes lactate and M2 macrophage polarization through USP17 in lung adenocarcinoma. Anti-Cancer Drugs, 2024, 35, 385-396.	1.4	0
900	SUMOylation controls Hu antigen R posttranscriptional activity in liver cancer. Cell Reports, 2024, 43, 113924.	6.4	0
901	Targeting inflammation as cancer therapy. Journal of Hematology and Oncology, 2024, 17, .	17.0	0