Peter J Ratcliffe

List of Publications by Year
in descending order

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212 papers	51,404 citations	100 h-index (2101)	209 g-index (1857)
224 all docs	224 docs citations	224 times ranked	41081 citing authors

#	Article	IF	Citations
1	Abnormal whole-body energy metabolism in iron-deficient humans despite preserved skeletal muscle oxidative phosphorylation. Scientific Reports, 2022, 12, 998.	3.3	6
2	Harveian Oration 2020: Elucidation of molecular oxygen sensing mechanisms in human cells: implications for medicine. Clinical Medicine, 2022, 22, 23-33.	1.9	1
3	Factor inhibiting HIF can catalyze two asparaginyl hydroxylations in VNVN motifs of ankyrin fold proteins. Journal of Biological Chemistry, 2022, 298, 102020.	3.4	4
4	Hypoxia shapes the immune landscape in lung injury and promotes the persistence of inflammation. Nature Immunology, 2022, 23, 927-939.	14.5	21
5	Hypoxic and pharmacological activation of HIF inhibits SARS-CoV-2 infection of lung epithelial cells. Cell Reports, 2021, 35, 109020.	6.4	64
6	Precisely Tuned Inhibition of HIF Prolyl Hydroxylases Is Key for Cardioprotection After Ischemia. Circulation Research, 2021, 128, 1208-1210.	4.5	7
7	The HIF complex recruits the histone methyltransferase SET1B to activate specific hypoxia-inducible genes. Nature Genetics, 2021, 53, 1022-1035.	21.4	38
8	Developmental role of PHD2 in the pathogenesis of pseudohypoxic pheochromocytoma. Endocrine-Related Cancer, 2021, 28, 757-772.	3.1	9
9	Hypoxia drives glucose transporter 3 expression through hypoxia-inducible transcription factor (HIF)â€“mediated induction of the long noncoding RNA NICI. Journal of Biological Chemistry, 2020, 295, 4065-4078.	3.4	34
10	Structureâ€Activity Relationship and Crystallographic Studies on 4â€Hydroxypyrimidine HIF Prolyl Hydroxylase Domain Inhibitors. ChemMedChem, 2020, 15, 270-273.	3.2	21
11	Endothelial Oxygen Sensing in Alveolar Maintenance. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 917-919.	5.6	2
12	Genetic basis of oxygen sensing in the carotid body: HIF2Î± and an isoform switch in cytochrome c oxidase subunit 4. Science Signaling, 2020, 13, .	3.6	7
13	Marked and rapid effects of pharmacological HIF-2Î± antagonism on hypoxic ventilatory control. Journal of Clinical Investigation, 2020, 130, 2237-2251.	8.2	32
14	Conserved N-terminal cysteine dioxygenases transduce responses to hypoxia in animals and plants. Science, 2019, 365, 65-69.	12.6	146
15	Mechanisms of hypoxia signalling: new implications for nephrology. Nature Reviews Nephrology, 2019, 15, 641-659.	9.6	199
16	Co-incidence of RCC-susceptibility polymorphisms with HIF cis-acting sequences supports a pathway tuning model of cancer. Scientific Reports, 2019, 9, 18768.	3.3	9
17	Inherent <scp>DNA</scp> â€binding specificities of the <scp>HIF</scp> â€1Î± and <scp>HIF</scp> â€2Î± transcription factors in chromatin. EMBO Reports, 2019, 20, .	4.5	143
18	Systemic silencing of Phd2 causes reversible immune regulatory dysfunction. Journal of Clinical Investigation, 2019, 129, 3640-3656.	8.2	30

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19	Lack of activity of recombinant HIF prolyl hydroxylases (PHDs) on reported non-HIF substrates. ELife, 2019, 8, .	6.0	70
20	The SIN3A histone deacetylase complex is required for a complete transcriptional response to hypoxia. Nucleic Acids Research, 2018, 46, 120-133.	14.5	96
21	Nuclear entry and export of FIH are mediated by HIF1Î± and exportin1 respectively. Journal of Cell Science, 2018, 131, .	2.0	9
22	PHD2 inactivation in Type I cells drives HIFâ€2Î±â€dependent multilineage hyperplasia and the formation of paragangliomaâ€like carotid bodies. Journal of Physiology, 2018, 596, 4393-4412.	2.9	37
23	The Jumonji-C oxygenase JMJD7 catalyzes (3S)-lysyl hydroxylation of TRAFAC GTPases. Nature Chemical Biology, 2018, 14, 688-695.	8.0	31
24	New horizons in hypoxia signaling pathways. Experimental Cell Research, 2017, 356, 116-121.	2.6	138
25	Molecular and cellular mechanisms of HIF prolyl hydroxylase inhibitors in clinical trials. Chemical Science, 2017, 8, 7651-7668.	7.4	174
26	Update on hypoxia-inducible factors and hydroxylases in oxygen regulatory pathways: from physiology to therapeutics. Hypoxia (Auckland, N Z), 2017, Volume 5, 11-20.	1.9	26
27	Prolyl hydroxylase 2 inactivation enhances glycogen storage and promotes excessive neutrophilic responses. Journal of Clinical Investigation, 2017, 127, 3407-3420.	8.2	71
28	Multiple renal cancer susceptibility polymorphisms modulate the HIF pathway. PLoS Genetics, 2017, 13, e1006872.	3.5	34
29	Clinical iron deficiency disturbs normal human responses to hypoxia. Journal of Clinical Investigation, 2016, 126, 2139-2150.	8.2	82
30	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
31	Regulation of ventilatory sensitivity and carotid body proliferation in hypoxia by the PHD2/HIFâ€2 pathway. Journal of Physiology, 2016, 594, 1179-1195.	2.9	68
32	Captureâ€C reveals preformed chromatin interactions between <scp>HIF</scp> â€binding sites and distant promoters. EMBO Reports, 2016, 17, 1410-1421.	4.5	63
33	On the pivotal role of PPARa in adaptation of the heart to hypoxia and why fat in the diet increases hypoxic injury. FASEB Journal, 2016, 30, 2684-2697.	0.5	54
34	Adult hematopoietic stem cells lacking Hif-1Î± self-renew normally. Blood, 2016, 127, 2841-2846.	1.4	67
35	Tuning the Transcriptional Response to Hypoxia by Inhibiting Hypoxia-inducible Factor (HIF) Prolyl and Asparaginyl Hydroxylases. Journal of Biological Chemistry, 2016, 291, 20661-20673.	3.4	91
36	Expression of Idh1R132H in the Murine Subventricular Zone Stem Cell Niche Recapitulates Features of Early Gliomagenesis. Cancer Cell, 2016, 30, 578-594.	16.8	122

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37	Gene panel sequencing improves the diagnostic work-up of patients with idiopathic erythrocytosis and identifies new mutations. Haematologica, 2016, 101, 1306-1318.	3.5	66
38	Structural basis for oxygen degradation domain selectivity of the HIF prolyl hydroxylases. Nature Communications, 2016, 7, 12673.	12.8	109
39	Genetic variation at the 8q24.21 renal cancer susceptibility locus affects HIF binding to a MYC enhancer. Nature Communications, 2016, 7, 13183.	12.8	65
40	Pharmacological targeting of the HIF hydroxylases â€“ A new field in medicine development. Molecular Aspects of Medicine, 2016, 47-48, 54-75.	6.4	111
41	Hypoxia, Hypoxia-inducible Transcription Factors, and Renal Cancer. European Urology, 2016, 69, 646-657.	1.9	249
42	Potent and Selective Triazole-Based Inhibitors of the Hypoxia-Inducible Factor Prolyl-Hydroxylases with Activity in the Murine Brain. PLoS ONE, 2015, 10, e0132004.	2.5	57
43	Hif-1Î± and Hif-2Î± synergize to suppress AML development but are dispensable for disease maintenance. Journal of Experimental Medicine, 2015, 212, 2223-2234.	8.5	65
44	A cross-sectional study of the prevalence and associations of iron deficiency in a cohort of patients with chronic obstructive pulmonary disease. BMJ Open, 2015, 5, e007911.	1.9	48
45	HIF Hydroxylase Pathways in Cardiovascular Physiology and Medicine. Circulation Research, 2015, 117, 65-79.	4.5	132
46	Factors influencing success of clinical genome sequencing across a broad spectrum of disorders. Nature Genetics, 2015, 47, 717-726.	21.4	310
47	Recurrent chromosomal gains and heterogeneous driver mutations characterise papillary renal cancer evolution. Nature Communications, 2015, 6, 6336.	12.8	100
48	The mini-driver model of polygenic cancer evolution. Nature Reviews Cancer, 2015, 15, 680-685.	28.4	104
49	Striking Oxygen Sensitivity of the Peptidylglycine Î±-Amidating Monooxygenase (PAM) in Neuroendocrine Cells. Journal of Biological Chemistry, 2015, 290, 24891-24901.	3.4	25
50	Adipocyte Pseudohypoxia Suppresses Lipolysis and Facilitates Benign Adipose Tissue Expansion. Diabetes, 2015, 64, 733-745.	0.6	49
51	Signaling hypoxia by hypoxia-inducible factor protein hydroxylases: a historical overview and future perspectives. Hypoxia (Auckland, N Z), 2014, 2, 197.	1.9	40
52	Genetic Evidence of a Precisely Tuned Dysregulation in the Hypoxia Signaling Pathway during Oncogenesis. Cancer Research, 2014, 74, 6554-6564.	0.9	32
53	Tibetans living at sea level have a hyporesponsive hypoxia-inducible factor system and blunted physiological responses to hypoxia. Journal of Applied Physiology, 2014, 116, 893-904.	2.5	97
54	Optimal Translational Termination Requires C4 Lysyl Hydroxylation of eRF1. Molecular Cell, 2014, 53, 645-654.	9.7	99

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55	Hydroxylation of the eukaryotic ribosomal decoding center affects translational accuracy. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4019-4024.	7.1	111
56	Sudestada1, a Drosophila ribosomal prolyl-hydroxylase required for mRNA translation, cell homeostasis, and organ growth. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4025-4030.	7.1	46
57	OGFOD1 catalyzes prolyl hydroxylation of RPS23 and is involved in translation control and stress granule formation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4031-4036.	7.1	105
58	Hypoxia signaling pathways in cancer metabolism: the importance of co-selecting interconnected physiological pathways. Cancer & Metabolism, 2014, 2, 3.	5.0	252
59	Extensive regulation of the nonâ€coding transcriptome by hypoxia: role of <scp>HIF</scp> in releasing paused <scp>RNA</scp> pol2. EMBO Reports, 2014, 15, 70-76.	4.5	146
60	Erythrocytosis associated with a novel missense mutation in the BPGM gene. Haematologica, 2014, 99, e201-e204.	3.5	35
61	A Role for Cytosolic Fumarate Hydratase in Urea Cycle Metabolism and Renal Neoplasia. Cell Reports, 2013, 3, 1440-1448.	6.4	78
62	5-Carboxy-8-hydroxyquinoline is a broad spectrum 2-oxoglutarate oxygenase inhibitor which causes iron translocation. Chemical Science, 2013, 4, 3110.	7.4	142
63	Dual-action inhibitors of HIF prolyl hydroxylases that induce binding of a second iron ion. Organic and Biomolecular Chemistry, 2013, 11, 732-745.	2.8	21
64	Selective Small Molecule Probes for the Hypoxia Inducible Factor (HIF) Prolyl Hydroxylases. ACS Chemical Biology, 2013, 8, 1488-1496.	3.4	105
65	Pan-genomic binding of hypoxia-inducible transcription factors. Biological Chemistry, 2013, 394, 507-517.	2.5	90
66	Dynamic regulatory network controlling TH17 cell differentiation. Nature, 2013, 496, 461-468.	27.8	608
67	Oxygen sensing and hypoxia signalling pathways in animals: the implications of physiology for cancer. Journal of Physiology, 2013, 591, 2027-2042.	2.9	235
68	Carotid body hyperplasia and enhanced ventilatory responses to hypoxia in mice with heterozygous deficiency of PHD2. Journal of Physiology, 2013, 591, 3565-3577.	2.9	53
69	Hif-2Î± is not essential for cell-autonomous hematopoietic stem cell maintenance. Blood, 2013, 122, 1741-1745.	1.4	75
70	HIF-1Î± Is Not Essential For The Establishment Of MLL-Leukaemic Stem Cells. Blood, 2013, 122, 3767-3767.	1.4	3
71	Increased Angiogenesis Protects against Adipose Hypoxia and Fibrosis in Metabolic Disease-resistant 11Î²-Hydroxysteroid Dehydrogenase Type 1 (HSD1)-deficient Mice. Journal of Biological Chemistry, 2012, 287, 4188-4197.	3.4	82
72	Common genetic variants at the 11q13.3 renal cancer susceptibility locus influence binding of HIF to an enhancer of cyclin D1 expression. Nature Genetics, 2012, 44, 420-425.	21.4	148

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73	Roles of individual prolylâ€4â€hydroxylase isoforms in the first 24 hours following transient focal cerebral ischaemia: insights from genetically modified mice. Journal of Physiology, 2012, 590, 4079-4091.	2.9	37
74	Plant Growth Regulator Daminozide Is a Selective Inhibitor of Human KDM2/7 Histone Demethylases. Journal of Medicinal Chemistry, 2012, 55, 6639-6643.	6.4	125
75	The LIMD1 protein bridges an association between the prolyl hydroxylases and VHL to repress HIF-1 activity. Nature Cell Biology, 2012, 14, 201-208.	10.3	77
76	Oxygenase-catalyzed ribosome hydroxylation occurs in prokaryotes and humans. Nature Chemical Biology, 2012, 8, 960-962.	8.0	135
77	The FIH hydroxylase is a cellular peroxide sensor that modulates HIF transcriptional activity. EMBO Reports, 2012, 13, 251-257.	4.5	120
78	Benefits and Risks of Manipulating the HIF Hydroxylase Pathway in Ischemic Heart Disease. , 2012, , 17-25.		1
79	Dynamic Combinatorial Chemistry Employing Boronic Acids/Boronate Esters Leads to Potent Oxygenase Inhibitors. Angewandte Chemie - International Edition, 2012, 51, 6672-6675.	13.8	82
80	Hyperplasia of Pulmonary Neuroepithelial Bodies (NEB) in Lungs of Prolyl Hydroxylase â^'1(PHD-1) Deficient Mice. Advances in Experimental Medicine and Biology, 2012, 758, 149-155.	1.6	12
81	Photoactivable peptides for identifying enzymeâ€“substrate and proteinâ€“protein interactions. Chemical Communications, 2011, 47, 1488-1490.	4.1	5
82	High-resolution genome-wide mapping of HIF-binding sites by ChIP-seq. Blood, 2011, 117, e207-e217.	1.4	623
83	Factorâ€inhibiting hypoxiaâ€inducible factor (FIH) catalyses the postâ€translational hydroxylation of histidinyl residues within ankyrin repeat domains. FEBS Journal, 2011, 278, 1086-1097.	4.7	68
84	The hypoxiaâ€inducible transcription factor pathway regulates oxygen sensing in the simplest animal, Trichoplax adhaerens. EMBO Reports, 2011, 12, 63-70.	4.5	210
85	The oncometabolite 2â€hydroxyglutarate inhibits histone lysine demethylases. EMBO Reports, 2011, 12, 463-469.	4.5	851
86	Renal Cyst Formation in Fh1-Deficient Mice Is Independent of the Hif/Phd Pathway: Roles for Fumarate in KEAP1 Succination and Nrf2 Signaling. Cancer Cell, 2011, 20, 524-537.	16.8	494
87	Aberrant succination of proteins in fumarate hydrataseâ€deficient mice and HLRCC patients is a robust biomarker of mutation status. Journal of Pathology, 2011, 225, 4-11.	4.5	225
88	A Photoreactive Small-Molecule Probe for 2-Oxoglutarate Oxygenases. Chemistry and Biology, 2011, 18, 642-654.	6.0	46
89	Differential Sensitivity of Hypoxia Inducible Factor Hydroxylation Sites to Hypoxia and Hydroxylase Inhibitors. Journal of Biological Chemistry, 2011, 286, 13041-13051.	3.4	148
90	Cardiopulmonary function in two human disorders of the hypoxiaâ€inducible factor (HIF) pathway: von Hippelâ€Lindau disease and HIFâ€2Î± gainâ€ofâ€function mutation. FASEB Journal, 2011, 25, 2001-2011.	0.5	86

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91	Asparagine and Aspartate Hydroxylation of the Cytoskeletal Ankyrin Family Is Catalyzed by Factor-inhibiting Hypoxia-inducible Factor. Journal of Biological Chemistry, 2011, 286, 7648-7660.	3.4	63
92	Quantitative Mass Spectrometry Reveals Dynamics of Factor-inhibiting Hypoxia-inducible Factor-catalyzed Hydroxylation*. Journal of Biological Chemistry, 2011, 286, 33784-33794.	3.4	22
93	Regulation of Type II Transmembrane Serine Proteinase TMPRSS6 by Hypoxia-inducible Factors. Journal of Biological Chemistry, 2011, 286, 4090-4097.	3.4	90
94	Prolyl hydroxylase 3 (PHD3) is essential for hypoxic regulation of neutrophilic inflammation in humans and mice. Journal of Clinical Investigation, 2011, 121, 1053-1063.	8.2	147
95	Human AlkB Homologue 5 Is a Nuclear 2-Oxoglutarate Dependent Oxygenase and a Direct Target of Hypoxia-Inducible Factor 1Î± (HIF-1Î±). PLoS ONE, 2011, 6, e16210.	2.5	120
96	Novel Insights into FH-associated Disease are KEAPing the Lid on Oncogenic HIF Signalling. Oncotarget, 2011, 2, 820-821.	1.8	4
97	PHF8, a gene associated with cleft lip/palate and mental retardation, encodes for an NÎµ-dimethyl lysine demethylase. Human Molecular Genetics, 2010, 19, 217-222.	2.9	153
98	Dysregulation of hypoxia pathways in fumarate hydratase-deficient cells is independent of defective mitochondrial metabolism. Human Molecular Genetics, 2010, 19, 3844-3851.	2.9	91
99	Regulation of human metabolism by hypoxia-inducible factor. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12722-12727.	7.1	160
100	HLA Has Strongest Association with IgA Nephropathy in Genome-Wide Analysis. Journal of the American Society of Nephrology: JASN, 2010, 21, 1791-1797.	6.1	233
101	Mutation analysis of HIF prolyl hydroxylases (PHD/EGLN) in individuals with features of phaeochromocytoma and renal cell carcinoma susceptibility. Endocrine-Related Cancer, 2010, 18, 73-83.	3.1	49
102	Loss or Silencing of the PHD1 Prolyl Hydroxylase Protects Livers of Mice Against Ischemia/Reperfusion Injury. Gastroenterology, 2010, 138, 1143-1154.e2.	1.3	108
103	Genome-wide Association of Hypoxia-inducible Factor (HIF)-1Î± and HIF-2Î± DNA Binding with Expression Profiling of Hypoxia-inducible Transcripts. Journal of Biological Chemistry, 2009, 284, 16767-16775.	3.4	516
104	Puzzling Patterns of Predisposition. Science, 2009, 324, 192-194.	12.6	55
105	Proteomics-based Identification of Novel Factor Inhibiting Hypoxia-inducible Factor (FIH) Substrates Indicates Widespread Asparaginyl Hydroxylation of Ankyrin Repeat Domain-containing Proteins. Molecular and Cellular Proteomics, 2009, 8, 535-546.	3.8	123
106	Effects of Iron Supplementation and Depletion on Hypoxic Pulmonary Hypertension. JAMA - Journal of the American Medical Association, 2009, 302, 1444.	7.4	155
107	Angiogenesis: escape from hypoxia. Nature Medicine, 2009, 15, 491-493.	30.7	10
108	FIHâ€Dependent Asparaginyl Hydroxylation of Ankyrin Repeat Domainâ€Containing Proteins. Annals of the New York Academy of Sciences, 2009, 1177, 9-18.	3.8	75

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109	Erythropoietin: An Historical Overview of Physiology, Molecular Biology and Gene Regulation. , 2009, , 1-18.		0
110	Heterozygous Deficiency of PHD2 Restores Tumor Oxygenation and Inhibits Metastasis via Endothelial Normalization. Cell, 2009, 136, 839-851.	28.9	727
111	Taking advantage of tumor cell adaptations to hypoxia for developing new tumor markers and treatment strategies. Journal of Enzyme Inhibition and Medicinal Chemistry, 2009, 24, 1-39.	5.2	167
112	Asparagine Î²-hydroxylation stabilizes the ankyrin repeat domain fold. Molecular BioSystems, 2009, 5, 52-58.	2.9	49
113	MYPT1, the targeting subunit of smooth-muscle myosin phosphatase, is a substrate for the asparaginyl hydroxylase factor inhibiting hypoxia-inducible factor (FIH). Biochemical Journal, 2009, 420, 327-336.	3.7	27
114	Regulation of growth differentiation factor 15 expression by intracellular iron. Blood, 2009, 113, 1555-1563.	1.4	75
115	Regulation of endogenous erythropoietin production. , 2009, , 19-40.		1
116	Mutation analysis of hypoxia-inducible factors HIF1A and HIF2A in renal cell carcinoma. Anticancer Research, 2009, 29, 4337-43.	1.1	52
117	Cellular oxygen sensing in health and disease. Pediatric Nephrology, 2008, 23, 681-694.	1.7	57
118	The increase in pulmonary arterial pressure caused by hypoxia depends on iron status. Journal of Physiology, 2008, 586, 5999-6005.	2.9	139
119	Deficiency or inhibition of oxygen sensor Phd1 induces hypoxia tolerance by reprogramming basal metabolism. Nature Genetics, 2008, 40, 170-180.	21.4	433
120	Molecular mechanisms of carbonic anhydrase IXâ€mediated pH regulation under hypoxia. BJU International, 2008, 101, 8-15.	2.5	88
121	The human side of hypoxiaâ€inducible factor. British Journal of Haematology, 2008, 141, 325-334.	2.5	222
122	Regulation of HIF: Prolyl Hydroxylases. Novartis Foundation Symposium, 2008, , 15-32.	1.1	48
123	Oxygen Sensing by Metazoans: The Central Role of the HIF Hydroxylase Pathway. Molecular Cell, 2008, 30, 393-402.	9.7	2,614
124	Evaluation of aspirin metabolites as inhibitors of hypoxia-inducible factor hydroxylases. Chemical Communications, 2008, , 6393.	4.1	16
125	Regulation of Jumonji-domain-containing histone demethylases by hypoxia-inducible factor (HIF)-1Î±. Biochemical Journal, 2008, 416, 387-394.	3.7	278
126	Abnormal Sympathoadrenal Development and Systemic Hypotension in PHD3^{â^'/â^'} Mice. Molecular and Cellular Biology, 2008, 28, 3386-3400.	2.3	176

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127	Asparaginyl Hydroxylation of the Notch Ankyrin Repeat Domain by Factor Inhibiting Hypoxia-inducible Factor. Journal of Biological Chemistry, 2007, 282, 24027-24038.	3.4	189
128	Interaction of Hydroxylated Collagen IV with the von Hippel-Lindau Tumor Suppressor. Journal of Biological Chemistry, 2007, 282, 13264-13269.	3.4	57
129	Studies on the activity of the hypoxia-inducible-factor hydroxylases using an oxygen consumption assay. Biochemical Journal, 2007, 401, 227-234.	3.7	196
130	Hypoxiaâ€Inducible Factor Prolylâ€Hydroxylase: Purification and Assays of PHD2. Methods in Enzymology, 2007, 435, 25-42.	1.0	46
131	Fumarate Hydratase Deficiency and Cancer: Activation of Hypoxia Signaling?. Cancer Cell, 2007, 11, 303-305.	16.8	44
132	Oxygen sensing and hypoxia-induced responses. Essays in Biochemistry, 2007, 43, 1-16.	4.7	51
133	HIF-1 and HIF-2: working alone or together in hypoxia?. Journal of Clinical Investigation, 2007, 117, 862-865.	8.2	233
134	HIF prolyl hydroxylases in the rat; organ distribution and changes in expression following hypoxia and coronary artery ligation. Journal of Molecular and Cellular Cardiology, 2006, 41, 68-77.	1.9	96
135	Mutation of von Hippelâ€“Lindau Tumour Suppressor and Human Cardiopulmonary Physiology. PLoS Medicine, 2006, 3, e290.	8.4	163
136	Characterization of different isoforms of the HIF prolyl hydroxylase PHD1 generated by alternative initiation. Biochemical Journal, 2006, 397, 179-186.	3.7	45
137	Normoxic Stabilization of Hypoxia-Inducible Factor-1Î± by Modulation of the Labile Iron Pool in Differentiating U937 Macrophages: Effect of Natural Resistanceâ€“Associated Macrophage Protein 1. Cancer Research, 2006, 66, 2600-2607.	0.9	84
138	Understanding hypoxia signalling in cells â€“ a new therapeutic opportunity?. Clinical Medicine, 2006, 6, 573-578.	1.9	29
139	Concordant Regulation of Gene Expression by Hypoxia and 2-Oxoglutarate-dependent Dioxygenase Inhibition. Journal of Biological Chemistry, 2006, 281, 15215-15226.	3.4	434
140	Posttranslational hydroxylation of ankyrin repeats in IÂB proteins by the hypoxia-inducible factor (HIF) asparaginyl hydroxylase, factor inhibiting HIF (FIH). Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14767-14772.	7.1	258
141	Reversion of lethality and growth defects in Fatiga oxygenâ€sensor mutant flies by loss of Hypoxiaâ€Inducible Factorâ€Î±/Sima. EMBO Reports, 2005, 6, 1070-1075.	4.5	86
142	HIF overexpression correlates with biallelic loss of fumarate hydratase in renal cancer: Novel role of fumarate in regulation of HIF stability. Cancer Cell, 2005, 8, 143-153.	16.8	843
143	First United Kingdom Heart and Renal Protection (UK-HARP-I) study: Biochemical efficacy and safety of simvastatin and safety of low-dose aspirin in chronic kidney disease. American Journal of Kidney Diseases, 2005, 45, 473-484.	1.9	184
144	Contrasting Properties of Hypoxia-Inducible Factor 1 (HIF-1) and HIF-2 in von Hippel-Lindau-Associated Renal Cell Carcinoma. Molecular and Cellular Biology, 2005, 25, 5675-5686.	2.3	847

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145	Signalling hypoxia by HIF hydroxylases. Biochemical and Biophysical Research Communications, 2005, 338, 617-626.	2.1	305
146	Analysis of von Hippelâ€“Lindau Tumor Suppressor as a Mediator of Cellular Oxygen Sensing. Methods in Enzymology, 2004, 381, 305-320.	1.0	1
147	Genetic Analysis of the Role of the Asparaginyl Hydroxylase Factor Inhibiting Hypoxia-inducible Factor (HIF) in Regulating HIF Transcriptional Target Genes. Journal of Biological Chemistry, 2004, 279, 42719-42725.	3.4	137
148	Leuâ€574 of human HIFâ€1Î± is a molecular determinant of prolyl hydroxylation. FASEB Journal, 2004, 18, 1028-1030.	0.5	62
149	Genetic Analysis of Pathways Regulated by the von Hippel-Lindau Tumor Suppressor in Caenorhabditis elegans. PLoS Biology, 2004, 2, e289.	5.6	137
150	Oxygen sensing by HIF hydroxylases. Nature Reviews Molecular Cell Biology, 2004, 5, 343-354.	37.0	1,810
151	The prolyl hydroxylase enzymes that act as oxygen sensors regulating destruction of hypoxia-inducible factor Î±. Advances in Enzyme Regulation, 2004, 44, 75-92.	2.6	28
152	Differential Function of the Prolyl Hydroxylases PHD1, PHD2, and PHD3 in the Regulation of Hypoxia-inducible Factor. Journal of Biological Chemistry, 2004, 279, 38458-38465.	3.4	918
153	HIF hydroxylation and cellular oxygen sensing. Biological Chemistry, 2004, 385, 223-30.	2.5	156
154	The HIF prolyl hydroxylase PHD3 is a potential substrate of the TRiC chaperonin. FEBS Letters, 2004, 570, 166-170.	2.8	45
155	Determination and comparison of specific activity of the HIF-prolyl hydroxylases. FEBS Letters, 2004, 576, 145-150.	2.8	91
156	Disruption of dimerization and substrate phosphorylation inhibit factor inhibiting hypoxia-inducible factor (FIH) activity. Biochemical Journal, 2004, 383, 429-437.	3.7	71
157	Analogues of dealanylalahopcin are inhibitors of human HIF prolyl hydroxylases. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 1451-1454.	2.2	65
158	2-Oxoglutarate analogue inhibitors of hif prolyl hydroxylase. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 2677-2680.	2.2	144
159	ExCITED about HIF. Nature Structural and Molecular Biology, 2003, 10, 501-503.	8.2	19
160	New insights into an enigmatic tumour suppressor. Nature Cell Biology, 2003, 5, 7-8.	10.3	125
161	Regulation of angiogenesis by hypoxia: role of the HIF system. Nature Medicine, 2003, 9, 677-684.	30.7	2,192
162	Structure of Factor-inhibiting Hypoxia-inducible Factor (HIF) Reveals Mechanism of Oxidative Modification of HIF-1Î±. Journal of Biological Chemistry, 2003, 278, 1802-1806.	3.4	342

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163	Genome-wide mapping of human loci for essential hypertension. Lancet, The, 2003, 361, 2118-2123.	13.7	247
164	Widespread, hypoxiaâ€inducible expression of HIFâ€2Î± in distinct cell populations of different organs. FASEB Journal, 2003, 17, 271-273.	0.5	640
165	HIF prolyl and asparaginyl hydroxylases in the biological response to intracellular O2 levels. Journal of Cell Science, 2003, 116, 3041-3049.	2.0	216
166	Effect of ascorbate on the activity of hypoxia-inducible factor in cancer cells. Cancer Research, 2003, 63, 1764-8.	0.9	273
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