

Gregg L Semenza

List of Publications by Year in descending order

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383
papers

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all docs

395
docs citations

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times ranked

83967
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting HIF-1 for cancer therapy. <i>Nature Reviews Cancer</i> , 2003, 3, 721-732.	28.4	6,111
2	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
3	HIF-1-mediated expression of pyruvate dehydrogenase kinase: A metabolic switch required for cellular adaptation to hypoxia. <i>Cell Metabolism</i> , 2006, 3, 177-185.	16.2	3,112
4	Hypoxia-Inducible Factors in Physiology and Medicine. <i>Cell</i> , 2012, 148, 399-408.	28.9	2,540
5	HIF-1: mediator of physiological and pathophysiological responses to hypoxia. <i>Journal of Applied Physiology</i> , 2000, 88, 1474-1480.	2.5	1,855
6	Regulation of Mammalian O ₂ Homeostasis by Hypoxia-Inducible Factor 1. <i>Annual Review of Cell and Developmental Biology</i> , 1999, 15, 551-578.	9.4	1,775
7	Purification and Characterization of Hypoxia-inducible Factor 1. <i>Journal of Biological Chemistry</i> , 1995, 270, 1230-1237.	3.4	1,755
8	Defining the role of hypoxia-inducible factor 1 in cancer biology and therapeutics. <i>Oncogene</i> , 2010, 29, 625-634.	5.9	1,506
9	Hypoxia Response Elements in the Aldolase A, Enolase 1, and Lactate Dehydrogenase A Gene Promoters Contain Essential Binding Sites for Hypoxia-inducible Factor 1. <i>Journal of Biological Chemistry</i> , 1996, 271, 32529-32537.	3.4	1,474
10	Mitochondrial Autophagy Is an HIF-1-dependent Adaptive Metabolic Response to Hypoxia. <i>Journal of Biological Chemistry</i> , 2008, 283, 10892-10903.	3.4	1,424
11	Control of TH17/Treg Balance by Hypoxia-Inducible Factor 1. <i>Cell</i> , 2011, 146, 772-784.	28.9	1,304
12	Hypoxia-inducible factors: mediators of cancer progression and targets for cancer therapy. <i>Trends in Pharmacological Sciences</i> , 2012, 33, 207-214.	8.7	1,271
13	Pyruvate Kinase M2 Is a PHD3-Stimulated Coactivator for Hypoxia-Inducible Factor 1. <i>Cell</i> , 2011, 145, 732-744.	28.9	1,210
14	FIH-1: a novel protein that interacts with HIF-1 α and VHL to mediate repression of HIF-1 transcriptional activity. <i>Genes and Development</i> , 2001, 15, 2675-2686.	5.9	1,203
15	HER2 (neu) Signaling Increases the Rate of Hypoxia-Inducible Factor 1 α (HIF-1 α) Synthesis: Novel Mechanism for HIF-1-Mediated Vascular Endothelial Growth Factor Expression. <i>Molecular and Cellular Biology</i> , 2001, 21, 3995-4004.	2.3	1,176
16	Inhibition of lactate dehydrogenase A induces oxidative stress and inhibits tumor progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2037-2042.	7.1	1,150
17	HIF-1: upstream and downstream of cancer metabolism. <i>Current Opinion in Genetics and Development</i> , 2010, 20, 51-56.	3.3	1,119
18	Hypoxia and the extracellular matrix: drivers of tumour metastasis. <i>Nature Reviews Cancer</i> , 2014, 14, 430-439.	28.4	1,110

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19	HIF-1 Regulates Cytochrome Oxidase Subunits to Optimize Efficiency of Respiration in Hypoxic Cells. <i>Cell</i> , 2007, 129, 111-122.	28.9	1,068
20	Signal transduction to hypoxia-inducible factor 1. <i>Biochemical Pharmacology</i> , 2002, 64, 993-998.	4.4	1,058
21	HIF-1 mediates metabolic responses to intratumoral hypoxia and oncogenic mutations. <i>Journal of Clinical Investigation</i> , 2013, 123, 3664-3671.	8.2	1,017
22	Transcriptional regulation of vascular endothelial cell responses to hypoxia by HIF-1. <i>Blood</i> , 2005, 105, 659-669.	1.4	1,012
23	HIF-1 and mechanisms of hypoxia sensing. <i>Current Opinion in Cell Biology</i> , 2001, 13, 167-171.	5.4	1,008
24	Oncogenic alterations of metabolism. <i>Trends in Biochemical Sciences</i> , 1999, 24, 68-72.	7.5	989
25	Hypoxia-inducible factor 1: master regulator of O ₂ homeostasis. <i>Current Opinion in Genetics and Development</i> , 1998, 8, 588-594.	3.3	979
26	Dimerization, DNA Binding, and Transactivation Properties of Hypoxia-inducible Factor 1. <i>Journal of Biological Chemistry</i> , 1996, 271, 17771-17778.	3.4	951
27	HIF-1 and tumor progression: pathophysiology and therapeutics. <i>Trends in Molecular Medicine</i> , 2002, 8, S62-S67.	6.7	915
28	Oxygen Sensing, Hypoxia-Inducible Factors, and Disease Pathophysiology. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2014, 9, 47-71.	22.4	901
29	HIF-1, O ₂ , and the 3 PHDs. <i>Cell</i> , 2001, 107, 1-3.	28.9	886
30	Oxygen Sensing, Homeostasis, and Disease. <i>New England Journal of Medicine</i> , 2011, 365, 537-547.	27.0	877
31	Hypoxia-inducible factor 1: oxygen homeostasis and disease pathophysiology. <i>Trends in Molecular Medicine</i> , 2001, 7, 345-350.	6.7	830
32	Hypoxia induces the breast cancer stem cell phenotype by HIF-dependent and ALKBH5-mediated m ⁶ A-demethylation of NANOG mRNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E2047-56.	7.1	807
33	Regulation of tumor angiogenesis by p53-induced degradation of hypoxia-inducible factor 1 α . <i>Genes and Development</i> , 2000, 14, 34-44.	5.9	805
34	HIF-1 Inhibits Mitochondrial Biogenesis and Cellular Respiration in VHL-Deficient Renal Cell Carcinoma by Repression of C-MYC Activity. <i>Cancer Cell</i> , 2007, 11, 407-420.	16.8	760
35	Hydroxylation of HIF-1: Oxygen Sensing at the Molecular Level. <i>Physiology</i> , 2004, 19, 176-182.	3.1	732
36	Hypoxia-Inducible Factor 1 (HIF-1) Pathway. <i>Science's STKE: Signal Transduction Knowledge Environment</i> , 2007, 2007, cm8.	3.9	732

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37	Regulation of Oxygen Homeostasis by Hypoxia-Inducible Factor 1. <i>Physiology</i> , 2009, 24, 97-106.	3.1	728
38	HIF-1 and human disease: one highly involved factor. <i>Genes and Development</i> , 2000, 14, 1983-1991.	5.9	728
39	Insulin-like Growth Factor 1 Induces Hypoxia-inducible Factor 1-mediated Vascular Endothelial Growth Factor Expression, Which is Dependent on MAP Kinase and Phosphatidylinositol 3-Kinase Signaling in Colon Cancer Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 38205-38211.	3.4	700
40	Hypoxia-Inducible Factors: Master Regulators of Cancer Progression. <i>Trends in Cancer</i> , 2016, 2, 758-770.	7.4	678
41	Hypoxia-inducible Factor-1 Mediates Transcriptional Activation of the Heme Oxygenase-1 Gene in Response to Hypoxia. <i>Journal of Biological Chemistry</i> , 1997, 272, 5375-5381.	3.4	670
42	Metabolic Regulation of Hematopoietic Stem Cells in the Hypoxic Niche. <i>Cell Stem Cell</i> , 2011, 9, 298-310.	11.1	670
43	Life with Oxygen. <i>Science</i> , 2007, 318, 62-64.	12.6	630
44	In Vivo Expression of mRNAs Encoding Hypoxia-Inducible Factor 1. <i>Biochemical and Biophysical Research Communications</i> , 1996, 225, 485-488.	2.1	629
45	HIF-1 and human disease: one highly involved factor. <i>Genes and Development</i> , 2000, 14, 1983-91.	5.9	598
46	Impaired physiological responses to chronic hypoxia in mice partially deficient for hypoxia-inducible factor 1 β . <i>Journal of Clinical Investigation</i> , 1999, 103, 691-696.	8.2	592
47	Expression of hypoxia-inducible factor 1 β in brain tumors. <i>Cancer</i> , 2000, 88, 2606-2618.	4.1	570
48	Digoxin and other cardiac glycosides inhibit HIF-1 β synthesis and block tumor growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19579-19586.	7.1	568
49	Cell Type-Specific Regulation of Angiogenic Growth Factor Gene Expression and Induction of Angiogenesis in Nonischemic Tissue by a Constitutively Active Form of Hypoxia-Inducible Factor 1. <i>Circulation Research</i> , 2003, 93, 1074-1081.	4.5	561
50	Hypoxia: Importance in tumor biology, noninvasive measurement by imaging, and value of its measurement in the management of cancer therapy. <i>International Journal of Radiation Biology</i> , 2006, 82, 699-757.	1.8	561
51	Transactivation and Inhibitory Domains of Hypoxia-inducible Factor 1 β . <i>Journal of Biological Chemistry</i> , 1997, 272, 19253-19260.	3.4	557
52	Hypoxia, Clonal Selection, and the Role of HIF-1 in Tumor Progression. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2000, 35, 71-103.	5.2	557
53	Levels of Hypoxia-Inducible Factor-1 β During Breast Carcinogenesis. <i>Journal of the National Cancer Institute</i> , 2001, 93, 309-314.	6.3	554
54	Hypoxia-Inducible Factor 1 and Dysregulated c-Myc Cooperatively Induce Vascular Endothelial Growth Factor and Metabolic Switches Hexokinase 2 and Pyruvate Dehydrogenase Kinase 1. <i>Molecular and Cellular Biology</i> , 2007, 27, 7381-7393.	2.3	540

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55	Hearts From Rodents Exposed to Intermittent Hypoxia or Erythropoietin Are Protected Against Ischemia-Reperfusion Injury. <i>Circulation</i> , 2003, 108, 79-85.	1.6	533
56	Targeting Stat3 blocks both HIF-1 and VEGF expression induced by multiple oncogenic growth signaling pathways. <i>Oncogene</i> , 2005, 24, 5552-5560.	5.9	523
57	Oxygen-dependent regulation of mitochondrial respiration by hypoxia-inducible factor 1. <i>Biochemical Journal</i> , 2007, 405, 1-9.	3.7	509
58	Adaptive and Maladaptive Cardiorespiratory Responses to Continuous and Intermittent Hypoxia Mediated by Hypoxia-Inducible Factors 1 and 2. <i>Physiological Reviews</i> , 2012, 92, 967-1003.	28.8	502
59	Biologic Correlates of ¹⁸ F-Fluorodeoxyglucose Uptake in Human Breast Cancer Measured by Positron Emission Tomography. <i>Journal of Clinical Oncology</i> , 2002, 20, 379-387.	1.6	483
60	Insulin Stimulates Hypoxia-inducible Factor 1 through a Phosphatidylinositol 3-Kinase/Target of Rapamycin-dependent Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2002, 277, 27975-27981.	3.4	477
61	Levels of hypoxia-inducible factor-1 independently predict prognosis in patients with lymph node negative breast carcinoma. <i>Cancer</i> , 2003, 97, 1573-1581.	4.1	472
62	Hypoxia-Inducible Factor 1 and Cardiovascular Disease. <i>Annual Review of Physiology</i> , 2014, 76, 39-56.	13.1	470
63	Disruption of oxygen homeostasis underlies congenital Chuvash polycythemia. <i>Nature Genetics</i> , 2002, 32, 614-621.	21.4	469
64	HIF-Dependent Antitumorigenic Effect of Antioxidants In Vivo. <i>Cancer Cell</i> , 2007, 12, 230-238.	16.8	466
65	Regulation of colon carcinoma cell invasion by hypoxia-inducible factor 1. <i>Cancer Research</i> , 2003, 63, 1138-43.	0.9	456
66	Expression of hypoxia-inducible factor 1: mechanisms and consequences. <i>Biochemical Pharmacology</i> , 2000, 59, 47-53.	4.4	451
67	Hypoxia-inducible factor-1-dependent mechanisms of vascularization and vascular remodelling. <i>Cardiovascular Research</i> , 2010, 86, 236-242.	3.8	443
68	Expression of angiogenesis-related molecules in plexiform lesions in severe pulmonary hypertension: evidence for a process of disordered angiogenesis. <i>Journal of Pathology</i> , 2001, 195, 367-374.	4.5	438
69	Acridine inhibits HIF-1 dimerization, tumor growth, and vascularization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17910-17915.	7.1	426
70	Regulation of angiogenesis by hypoxia-inducible factor 1. <i>Critical Reviews in Oncology/Hematology</i> , 2006, 59, 15-26.	4.4	423
71	RACK1 Competes with HSP90 for Binding to HIF-1 and Is Required for O ₂ -Independent and HSP90 Inhibitor-Induced Degradation of HIF-1. <i>Molecular Cell</i> , 2007, 25, 207-217.	9.7	422
72	Hypoxia-inducible factors are required for chemotherapy resistance of breast cancer stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5429-38.	7.1	419

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73	The hypoxic tumor microenvironment: A driving force for breast cancer progression. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 382-391.	4.1	418
74	Regulation of cancer cell metabolism by hypoxia-inducible factor 1. <i>Seminars in Cancer Biology</i> , 2009, 19, 12-16.	9.6	410
75	Hypoxia-inducible Factor 1 (HIF-1) Promotes Extracellular Matrix Remodeling under Hypoxic Conditions by Inducing P4HA1, P4HA2, and PLOD2 Expression in Fibroblasts. <i>Journal of Biological Chemistry</i> , 2013, 288, 10819-10829.	3.4	406
76	Hypoxia-Inducible Factor-1-Dependent Repression of <i>E-cadherin</i> in von Hippel-Lindau Tumor Suppressor-Null Renal Cell Carcinoma Mediated by TCF3, ZFHX1A, and ZFHX1B. <i>Cancer Research</i> , 2006, 66, 2725-2731.	0.9	388
77	Hypoxia-inducible factor 1: Regulator of mitochondrial metabolism and mediator of ischemic preconditioning. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 1263-1268.	4.1	380
78	Induction of hypoxia-inducible factor-1 (HIF-1) and its target genes following focal ischaemia in rat brain. <i>European Journal of Neuroscience</i> , 1999, 11, 4159-4170.	2.6	377
79	Hypoxia-inducible factor 1 is a master regulator of breast cancer metastatic niche formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16369-16374.	7.1	375
80	Defective Vascularization of HIF-1-Null Embryos Is Not Associated with VEGF Deficiency but with Mesenchymal Cell Death. <i>Developmental Biology</i> , 1999, 209, 254-267.	2.0	372
81	Role of hypoxia-inducible factor-1 in hypoxia-induced ischemic tolerance in neonatal rat brain. <i>Annals of Neurology</i> , 2000, 48, 285-296.	5.3	370
82	Hypoxia-inducible factors and RAB22A mediate formation of microvesicles that stimulate breast cancer invasion and metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3234-42.	7.1	367
83	HIF-1, pimonidazole, and iododeoxyuridine to estimate hypoxia and perfusion in human head-and-neck tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2002, 54, 1537-1549.	0.8	364
84	Perspectives on Oxygen Sensing. <i>Cell</i> , 1999, 98, 281-284.	28.9	363
85	Angiogenesis Ischemic and Neoplastic Disorders. <i>Annual Review of Medicine</i> , 2003, 54, 17-28.	12.2	359
86	Evaluation of HIF-1 inhibitors as anticancer agents. <i>Drug Discovery Today</i> , 2007, 12, 853-859.	6.4	355
87	HIF-1, STAT3, CBP/p300 and Ref-1/APE are components of a transcriptional complex that regulates Src-dependent hypoxia-induced expression of VEGF in pancreatic and prostate carcinomas. <i>Oncogene</i> , 2005, 24, 3110-3120.	5.9	353
88	Heterozygous HIF-1 deficiency impairs carotid body-mediated systemic responses and reactive oxygen species generation in mice exposed to intermittent hypoxia. <i>Journal of Physiology</i> , 2006, 577, 705-716.	2.9	339
89	Hypoxia Inhibits G1/S Transition through Regulation of p27 Expression. <i>Journal of Biological Chemistry</i> , 2001, 276, 7919-7926.	3.4	322
90	A genetic mechanism for Tibetan high-altitude adaptation. <i>Nature Genetics</i> , 2014, 46, 951-956.	21.4	322

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91	Hypoxia Inducible Factor 1 Mediates Hypoxia-Induced TRPC Expression and Elevated Intracellular Ca ²⁺ in Pulmonary Arterial Smooth Muscle Cells. <i>Circulation Research</i> , 2006, 98, 1528-1537.	4.5	321
92	Regulation of Osteogenesis-Angiogenesis Coupling by HIFs and VEGF. <i>Journal of Bone and Mineral Research</i> , 2009, 24, 1347-1353.	2.8	321
93	HIF-1 regulates CD47 expression in breast cancer cells to promote evasion of phagocytosis and maintenance of cancer stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E6215-23.	7.1	299
94	Induction of HIF-1 α expression by intermittent hypoxia: Involvement of NADPH oxidase, Ca ²⁺ signaling, prolyl hydroxylases, and mTOR. <i>Journal of Cellular Physiology</i> , 2008, 217, 674-685.	4.1	294
95	Oxygen homeostasis. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2010, 2, 336-361.	6.6	288
96	Emerging roles of PKM2 in cell metabolism and cancer progression. <i>Trends in Endocrinology and Metabolism</i> , 2012, 23, 560-566.	7.1	284
97	Anthracycline chemotherapy inhibits HIF-1 transcriptional activity and tumor-induced mobilization of circulating angiogenic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 2353-2358.	7.1	275
98	Vasculogenesis, angiogenesis, and arteriogenesis: Mechanisms of blood vessel formation and remodeling. <i>Journal of Cellular Biochemistry</i> , 2007, 102, 840-847.	2.6	269
99	Hypoxia-inducible factors: coupling glucose metabolism and redox regulation with induction of the breast cancer stem cell phenotype. <i>EMBO Journal</i> , 2017, 36, 252-259.	7.8	267
100	Effects of Aging and Hypoxia-Inducible Factor-1 Activity on Angiogenic Cell Mobilization and Recovery of Perfusion After Limb Ischemia. <i>Circulation Research</i> , 2007, 101, 1310-1318.	4.5	266
101	The Ubiquitin Ligase Stub1 Negatively Modulates Regulatory T Cell Suppressive Activity by Promoting Degradation of the Transcription Factor Foxp3. <i>Immunity</i> , 2013, 39, 272-285.	14.3	260
102	HIF-1-Mediated Suppression of Acyl-CoA Dehydrogenases and Fatty Acid Oxidation Is Critical for Cancer Progression. <i>Cell Reports</i> , 2014, 8, 1930-1942.	6.4	258
103	Age-dependent Defect in Vascular Endothelial Growth Factor Expression Is Associated with Reduced Hypoxia-inducible Factor 1 Activity. <i>Journal of Biological Chemistry</i> , 2000, 275, 29643-29647.	3.4	256
104	HIF-1 mediates the Warburg effect in clear cell renal carcinoma. <i>Journal of Bioenergetics and Biomembranes</i> , 2007, 39, 231-234.	2.3	255
105	HIF and the Lung. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 183, 152-156.	5.6	255
106	Tumor metabolism: cancer cells give and take lactate. <i>Journal of Clinical Investigation</i> , 2008, 118, 3835-7.	8.2	254
107	Surviving ischemia: adaptive responses mediated by hypoxia-inducible factor 1. <i>Journal of Clinical Investigation</i> , 2000, 106, 809-812.	8.2	252
108	Collagen Prolyl Hydroxylases Are Essential for Breast Cancer Metastasis. <i>Cancer Research</i> , 2013, 73, 3285-3296.	0.9	251

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109	Stromal Cell-Derived Factor-1 and CXCR4 Expression in Hemangioblastoma and Clear Cell-Renal Cell Carcinoma: von Hippel-Lindau Loss-of-Function Induces Expression of a Ligand and Its Receptor. <i>Cancer Research</i> , 2005, 65, 6178-6188.	0.9	250
110	Defective carotid body function and impaired ventilatory responses to chronic hypoxia in mice partially deficient for hypoxia-inducible factor 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 821-826.	7.1	243
111	O ₂ -regulated gene expression: transcriptional control of cardiorespiratory physiology by HIF-1. <i>Journal of Applied Physiology</i> , 2004, 96, 1173-1177.	2.5	242
112	Chemotherapy induces enrichment of CD47 /CD73 /PDL1 immune evasive triple-negative breast cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1239-E1248.	7.1	238
113	Hypoxia-Inducible Factor 1: Control of Oxygen Homeostasis in Health and Disease. <i>Pediatric Research</i> , 2001, 49, 614-617.	2.3	235
114	Vascular endothelial growth factor gene expression in colon cancer cells exposed to prostaglandin E2 is mediated by hypoxia-inducible factor 1. <i>Cancer Research</i> , 2003, 63, 2330-4.	0.9	234
115	Role of Hypoxia-Inducible Factor 1 in Gastric Cancer Cell Growth, Angiogenesis, and Vessel Maturation. <i>Journal of the National Cancer Institute</i> , 2004, 96, 946-956.	6.3	228
116	Role of hypoxia-inducible factors in breast cancer metastasis. <i>Future Oncology</i> , 2013, 9, 1623-1636.	2.4	225
117	Temporal, spatial, and oxygen-regulated expression of hypoxia-inducible factor-1 in the lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1998, 275, L818-L826.	2.9	223
118	Hypoxia, HIF-1, and the Pathophysiology of Common Human Diseases. , 2000, 475, 123-130.		217
119	Procollagen Lysyl Hydroxylase 2 Is Essential for Hypoxia-Induced Breast Cancer Metastasis. <i>Molecular Cancer Research</i> , 2013, 11, 456-466.	3.4	216
120	HIF-1: using two hands to flip the angiogenic switch. <i>Cancer and Metastasis Reviews</i> , 2000, 19, 59-65.	5.9	215
121	Regulation of hypoxia-inducible factor 1 by prolyl and asparaginyl hydroxylases. <i>Biochemical and Biophysical Research Communications</i> , 2005, 338, 610-616.	2.1	215
122	Hypoxia-inducible factors regulate pluripotency factor expression by ZNF217- and ALKBH5-mediated modulation of RNA methylation in breast cancer cells. <i>Oncotarget</i> , 2016, 7, 64527-64542.	1.8	215
123	Complete loss of ischaemic preconditioning-induced cardioprotection in mice with partial deficiency of HIF-1. <i>Cardiovascular Research</i> , 2007, 77, 463-470.	3.8	214
124	Carbon Monoxide and Nitric Oxide Suppress the Hypoxic Induction of Vascular Endothelial Growth Factor Gene via the 5' Enhancer. <i>Journal of Biological Chemistry</i> , 1998, 273, 15257-15262.	3.4	210
125	Regulation of cell proliferation by hypoxia-inducible factors. <i>American Journal of Physiology - Cell Physiology</i> , 2015, 309, C775-C782.	4.6	209
126	Ca ²⁺ /Calmodulin Kinase-dependent Activation of Hypoxia Inducible Factor 1 Transcriptional Activity in Cells Subjected to Intermittent Hypoxia. <i>Journal of Biological Chemistry</i> , 2005, 280, 4321-4328.	3.4	208

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127	Hypoxia-induced resistance to anticancer drugs is associated with decreased senescence and requires hypoxia-inducible factor-1 activity. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 1961-1973.	4.1	205
128	Chemotherapy triggers HIF-1 α -dependent glutathione synthesis and copper chelation that induces the breast cancer stem cell phenotype. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4600-9.	7.1	205
129	OS-9 Interacts with Hypoxia-Inducible Factor 1 α and Prolyl Hydroxylases to Promote Oxygen-Dependent Degradation of HIF-1 α . <i>Molecular Cell</i> , 2005, 17, 503-512.	9.7	203
130	Hsp70 and CHIP Selectively Mediate Ubiquitination and Degradation of Hypoxia-inducible Factor (HIF)-1 α but Not HIF-2 α . <i>Journal of Biological Chemistry</i> , 2010, 285, 3651-3663.	3.4	201
131	PHGDH Expression Is Required for Mitochondrial Redox Homeostasis, Breast Cancer Stem Cell Maintenance, and Lung Metastasis. <i>Cancer Research</i> , 2016, 76, 4430-4442.	0.9	201
132	Abnormal B lymphocyte development and autoimmunity in hypoxia-inducible factor 1 α -deficient chimeric mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 2170-2174.	7.1	200
133	Intratumoral hypoxia, radiation resistance, and HIF-1. <i>Cancer Cell</i> , 2004, 5, 405-406.	16.8	199
134	Histone demethylase JMJD2C is a coactivator for hypoxia-inducible factor 1 that is required for breast cancer progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E3367-76.	7.1	196
135	Involvement of oxygen-sensing pathways in physiologic and pathologic erythropoiesis. <i>Blood</i> , 2009, 114, 2015-2019.	1.4	195
136	Chaperone-mediated Autophagy Targets Hypoxia-inducible Factor-1 α (HIF-1 α) for Lysosomal Degradation. <i>Journal of Biological Chemistry</i> , 2013, 288, 10703-10714.	3.4	195
137	Nitric Oxide Induces Hypoxia-inducible Factor 1 Activation That Is Dependent on MAPK and Phosphatidylinositol 3-Kinase Signaling. <i>Journal of Biological Chemistry</i> , 2004, 279, 2550-2558.	3.4	193
138	Pharmacologic Targeting of Hypoxia-Inducible Factors. <i>Annual Review of Pharmacology and Toxicology</i> , 2019, 59, 379-403.	9.4	193
139	Hypoxia-inducible Factor-1 Deficiency Results in Dysregulated Erythropoiesis Signaling and Iron Homeostasis in Mouse Development. <i>Journal of Biological Chemistry</i> , 2006, 281, 25703-25711.	3.4	191
140	Inhibitors of hypoxia-inducible factor 1 block breast cancer metastatic niche formation and lung metastasis. <i>Journal of Molecular Medicine</i> , 2012, 90, 803-815.	3.9	191
141	Involvement of Hypoxia-Inducible Factor 1 in Human Cancer.. <i>Internal Medicine</i> , 2002, 41, 79-83.	0.7	187
142	Partial HIF-1 α deficiency impairs pulmonary arterial myocyte electrophysiological responses to hypoxia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2001, 281, L202-L208.	2.9	184
143	Phosphatidylinositol-3-Kinase Signaling Is Required for Erythropoietin-Mediated Acute Protection Against Myocardial Ischemia/Reperfusion Injury. <i>Circulation</i> , 2004, 109, 2050-2053.	1.6	184
144	Molecular mechanisms mediating metastasis of hypoxic breast cancer cells. <i>Trends in Molecular Medicine</i> , 2012, 18, 534-543.	6.7	184

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145	Hypoxia-inducible factor 1-dependent expression of platelet-derived growth factor B promotes lymphatic metastasis of hypoxic breast cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E2707-16.	7.1	180
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