

Gregg L Semenza

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

365
papers

87,715
citations

145
h-index

294
g-index

395
ext. papers

97,354
ext. citations

9.7
avg, IF

9
L-index

#	Paper	IF	Citations
365	HIF-1 Interacts with TRIM28 and DNA-PK to release paused RNA polymerase II and activate target gene transcription in response to hypoxia.. <i>Nature Communications</i> , 2022 , 13, 316	17.4	4
364	Hypoxia and Hypoxia-Inducible Factors in Lymphedema.. <i>Frontiers in Pharmacology</i> , 2022 , 13, 851057	5.6	1
363	HIF inhibitor 32-134D eradicates murine hepatocellular carcinoma in combination with anti-PD1 therapy.. <i>Journal of Clinical Investigation</i> , 2022 , 132,	15.9	6
362	Heritable disorders of oxygen sensing. <i>American Journal of Medical Genetics, Part A</i> , 2021 , 185, 3334-3339.	5.5	2
361	HIF-1-regulated expression of calreticulin promotes breast tumorigenesis and progression through Wnt/βcatenin pathway activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4
360	Intratumoral Hypoxia and Mechanisms of Immune Evasion Mediated by Hypoxia-Inducible Factors. <i>Physiology</i> , 2021 , 36, 73-83	9.8	11
359	Hypoxia-inducible factor-dependent ADAM12 expression mediates breast cancer invasion and metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	7
358	Heritable disorders of oxygen sensing. <i>American Journal of Medical Genetics, Part A</i> , 2021 , 185, 2576-2581.	5.5	2
357	HIF-1 and HIF-2 redundantly promote retinal neovascularization in patients with ischemic retinal disease. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	3
356	Hypoxia-Induced Suppression of Alternative Splicing of MBD2 Promotes Breast Cancer Metastasis via Activation of FZD1. <i>Cancer Research</i> , 2021 , 81, 1265-1278	10.1	5
355	Histone citrullination by PADI4 is required for HIF-dependent transcriptional responses to hypoxia and tumor vascularization. <i>Science Advances</i> , 2021 , 7,	14.3	5
354	HIF-1 recruits NANOG as a coactivator for TERT gene transcription in hypoxic breast cancer stem cells. <i>Cell Reports</i> , 2021 , 36, 109757	10.6	4
353	Endothelial HIF-2 is a Key Endogenous Mediator Preventing Emphysema. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 202, 983-995	10.2	8
352	Decreased lymphatic HIF-2 accentuates lymphatic remodeling in lymphedema. <i>Journal of Clinical Investigation</i> , 2020 , 130, 5562-5575	15.9	4
351	Chemotherapy-induced S100A10 recruits KDM6A to facilitate OCT4-mediated breast cancer stemness. <i>Journal of Clinical Investigation</i> , 2020 , 130, 4607-4623	15.9	26
350	BIRC2 Expression Impairs Anti-Cancer Immunity and Immunotherapy Efficacy. <i>Cell Reports</i> , 2020 , 32, 108073	10.6	6
349	Hypoxia-inducible factor-1 mediates pancreatic βcell dysfunction by intermittent hypoxia. <i>American Journal of Physiology - Cell Physiology</i> , 2020 , 319, C922-C932	5.4	7

348	The Genomics and Genetics of Oxygen Homeostasis. <i>Annual Review of Genomics and Human Genetics</i> , 2020 , 21, 183-204	9.7	22
347	Hypoxia-inducible factors promote breast cancer stem cell specification and maintenance in response to hypoxia or cytotoxic chemotherapy. <i>Advances in Cancer Research</i> , 2019 , 141, 175-212	5.9	32
346	HIF-1 β s required for development of the sympathetic nervous system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 13414-13423	11.5	27
345	A RASSF1A-HIF1 β loop drives Warburg effect in cancer and pulmonary hypertension. <i>Nature Communications</i> , 2019 , 10, 2130	17.4	34
344	Glutaminase 1 expression in colorectal cancer cells is induced by hypoxia and required for tumor growth, invasion, and metastatic colonization. <i>Cell Death and Disease</i> , 2019 , 10, 40	9.8	67
343	Persistent HIF-1 Activation by Long-Term Intermittent Hypoxia. <i>FASEB Journal</i> , 2019 , 33, 551.16	0.9	
342	Activation of Lysine Demethylases (KDM's) by Intermittent Hypoxia. <i>FASEB Journal</i> , 2019 , 33, 551.15	0.9	
341	Pharmacologic Targeting of Hypoxia-Inducible Factors. <i>Annual Review of Pharmacology and Toxicology</i> , 2019 , 59, 379-403	17.9	105
340	Endothelial Hypoxia-Inducible Factor-2 β s Required for the Maintenance of Airway Microvasculature. <i>Circulation</i> , 2019 , 139, 502-517	16.7	16
339	Chronic cold exposure results in subcutaneous adipose tissue browning and altered global metabolism in Qinghai-Tibetan plateau pika (<i>Ochotona curzoniae</i>). <i>Biochemical and Biophysical Research Communications</i> , 2018 , 500, 117-123	3.4	6
338	The role of hypoxia-inducible factors in carotid body (patho) physiology. <i>Journal of Physiology</i> , 2018 , 596, 2977-2983	3.9	39
337	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	11.5	141
336	Inositol Polyphosphate Multikinase Inhibits Angiogenesis via Inositol Pentakisphosphate-Induced HIF-1 β Degradation. <i>Circulation Research</i> , 2018 , 122, 457-472	15.7	8
335	In Vitro Assays of Breast Cancer Stem Cells. <i>Methods in Molecular Biology</i> , 2018 , 1742, 237-246	1.4	5
334	DNA methylation in the central and efferent limbs of the chemoreflex requires carotid body neural activity. <i>Journal of Physiology</i> , 2018 , 596, 3087-3100	3.9	10
333	Metabolic adaptation of cancer and immune cells mediated by hypoxia-inducible factors. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2018 , 1870, 15-22	11.2	90
332	Methylation of hypoxia-inducible factor (HIF)-1 β by G9a/GLP inhibits HIF-1 transcriptional activity and cell migration. <i>Nucleic Acids Research</i> , 2018 , 46, 6576-6591	20.1	45
331	Reciprocal Regulation of DUSP9 and DUSP16 Expression by HIF1 Controls ERK and p38 MAP Kinase Activity and Mediates Chemotherapy-Induced Breast Cancer Stem Cell Enrichment. <i>Cancer Research</i> , 2018 , 78, 4191-4202	10.1	46

330	Hypoxia-inducible factor 1-dependent expression of adenosine receptor 2B promotes breast cancer stem cell enrichment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E9640-E9648	11.5	69
329	Complementary roles of gasotransmitters CO and H ₂ S in sleep apnea. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 1413-1418	11.5	45
328	Chemotherapy-Induced Ca Release Stimulates Breast Cancer Stem Cell Enrichment. <i>Cell Reports</i> , 2017 , 18, 1946-1957	10.6	86
327	Systems biology of oxygen homeostasis. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2017 , 9, e1382	6.6	29
326	Hypoxia Selectively Enhances Integrin β Receptor Expression in Breast Cancer to Promote Metastasis. <i>Molecular Cancer Research</i> , 2017 , 15, 723-734	6.6	71
325	Maintenance of redox homeostasis by hypoxia-inducible factors. <i>Redox Biology</i> , 2017 , 13, 331-335	11.3	53
324	A compendium of proteins that interact with HIF-1 β . <i>Experimental Cell Research</i> , 2017 , 356, 128-135	4.2	55
323	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	13	188
322	The HIF-1 antagonist acriflavine: visualization in retina and suppression of ocular neovascularization. <i>Journal of Molecular Medicine</i> , 2017 , 95, 417-429	5.5	24
321	Expression of the angiogenic mediator, angiopoietin-like 4, in the eyes of patients with proliferative sickle retinopathy. <i>PLoS ONE</i> , 2017 , 12, e0183320	3.7	19
320	Anthracyclines suppress pheochromocytoma cell characteristics, including metastasis, through inhibition of the hypoxia signaling pathway. <i>Oncotarget</i> , 2017 , 8, 22313-22324	3.3	21
319	Lack of Evidence for Vasoactive and Inflammatory Mediators in the Promotion of Macular Edema Associated with Epiretinal Membranes. <i>Scientific Reports</i> , 2017 , 7, 10608	4.9	0
318	Epigenetic regulation of redox state mediates persistent cardiorespiratory abnormalities after long-term intermittent hypoxia. <i>Journal of Physiology</i> , 2017 , 595, 63-77	3.9	41
317	Epigenetic changes by DNA methylation in chronic and intermittent hypoxia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017 , 313, L1096-L1100	5.8	37
316	Hypoxia-Inducible Factor-Dependent Expression of Angiopoietin-Like 4 by Conjunctival Epithelial Cells Promotes the Angiogenic Phenotype of Pterygia 2017 , 58, 4514-4523		6
315	Regulation of carotid body oxygen sensing by hypoxia-inducible factors. <i>Pflugers Archiv European Journal of Physiology</i> , 2016 , 468, 71-75	4.6	34
314	The hypoxic tumor microenvironment: A driving force for breast cancer progression. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016 , 1863, 382-391	4.9	321
313	Combination therapy with BPTES nanoparticles and metformin targets the metabolic heterogeneity of pancreatic cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E5328-36	11.5	140

312	Pathways for Oxygen Regulation and Homeostasis: The 2016 Albert Lasker Basic Medical Research Award. <i>JAMA - Journal of the American Medical Association</i> , 2016 , 316, 1252-3	27.4	30
311	Protein kinase A-dependent phosphorylation stimulates the transcriptional activity of hypoxia-inducible factor 1. <i>Science Signaling</i> , 2016 , 9, ra56	8.8	56
310	H2S production by reactive oxygen species in the carotid body triggers hypertension in a rodent model of sleep apnea. <i>Science Signaling</i> , 2016 , 9, ra80	8.8	26
309	Serine Synthesis Helps Hypoxic Cancer Stem Cells Regulate Redox. <i>Cancer Research</i> , 2016 , 76, 6458-6462	10.1	29
308	PHGDH Expression Is Required for Mitochondrial Redox Homeostasis, Breast Cancer Stem Cell Maintenance, and Lung Metastasis. <i>Cancer Research</i> , 2016 , 76, 4430-42	10.1	145
307	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
306	Hypoxia induces the breast cancer stem cell phenotype by HIF-dependent and ALKBH5-mediated m ⁵ A-demethylation of NANOG mRNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E2047-56	11.5	579
305	Targeting hypoxia-inducible factor 1 to stimulate tissue vascularization. <i>Journal of Investigative Medicine</i> , 2016 , 64, 361-3	2.9	41
304	Dynamic regulation of stem cell specification and maintenance by hypoxia-inducible factors. <i>Molecular Aspects of Medicine</i> , 2016 , 47-48, 15-23	16.7	52
303	Hypoxia-Inducible Factor 1 β Is a Critical Downstream Mediator for Hypoxia-Induced Mitogenic Factor (FIZZ1/RELM β)-Induced Pulmonary Hypertension. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, 134-44	9.4	37
302	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, 7816-28	3.3	75
301	PRDX2 and PRDX4 are negative regulators of hypoxia-inducible factors under conditions of prolonged hypoxia. <i>Oncotarget</i> , 2016 , 7, 6379-97	3.3	22
300	Expression Pattern of HIF-1 β and VEGF Supports Circumferential Application of Scatter Laser for Proliferative Sickle Retinopathy 2016 , 57, 6739-6746		16
299	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	3.3	163
298	Hypoxia-Inducible Factors: Master Regulators of Cancer Progression. <i>Trends in Cancer</i> , 2016 , 2, 758-770	12.5	451
297	Chemotherapy triggers HIF-1-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	11.5	142
296	KSHV induces aerobic glycolysis and angiogenesis through HIF-1-dependent upregulation of pyruvate kinase 2 in Kaposi's sarcoma. <i>Angiogenesis</i> , 2015 , 18, 477-88	10.6	62
295	Protein kinase G-regulated production of H2S governs oxygen sensing. <i>Science Signaling</i> , 2015 , 8, ra37	8.8	78

- 294 An essential role for chaperone-mediated autophagy in cell cycle progression. *Autophagy*, **2015**, 11, 850-859. 10.2 20
- 293 HIF-1 regulates CD47 expression in breast cancer cells to promote evasion of phagocytosis and maintenance of cancer stem cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E6215-23 11.5 199
- 292 Hypoxia inducible factor-1-dependent up-regulation of BMP4 mediates hypoxia-induced increase of TRPC expression in PSMCs. *Cardiovascular Research*, **2015**, 107, 108-18 9.9 41
- 291 Oxygen Sensing and Homeostasis. *Physiology*, **2015**, 30, 340-8 9.8 116
- 290 Regulation of the breast cancer stem cell phenotype by hypoxia-inducible factors. *Clinical Science*, **2015**, 129, 1037-45 6.5 36
- 289 Neural regulation of hypoxia-inducible factors and redox state drives the pathogenesis of hypertension in a rodent model of sleep apnea. *Journal of Applied Physiology*, **2015**, 119, 1152-6 3.7 45
- 288 Angiopoietin-like 4 is a potent angiogenic factor and a novel therapeutic target for patients with proliferative diabetic retinopathy. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E3030-9 11.5 79
- 287 Regulation of cell proliferation by hypoxia-inducible factors. *American Journal of Physiology - Cell Physiology*, **2015**, 309, C775-82 5.4 134
- 286 Hypoxia-inducible factor 1 and breast cancer metastasis. *Journal of Zhejiang University: Science B*, **2015**, 16, 32-43 4.5 125
- 285 HIF-1 α activation by intermittent hypoxia requires NADPH oxidase stimulation by xanthine oxidase. *PLoS ONE*, **2015**, 10, e0119762 3.7 56
- 284 HIF-1 α and TAZ serve as reciprocal co-activators in human breast cancer cells. *Oncotarget*, **2015**, 6, 11768-78 3.8 47
- 283 HIF-2 β Deficiency Induces Carotid Body Sensory Long-Term Facilitation. *FASEB Journal*, **2015**, 29, 682.3 0.9
- 282 Hypoxia-inducible factor-dependent signaling between triple-negative breast cancer cells and mesenchymal stem cells promotes macrophage recruitment. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E2120-9 11.5 133
- 281 Hypoxia and the extracellular matrix: drivers of tumour metastasis. *Nature Reviews Cancer*, **2014**, 14, 430-9 31.3 785
- 280 Hypoxia-inducible factors mediate coordinated RhoA-ROCK1 expression and signaling in breast cancer cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E384-93 11.5 139
- 279 Ganetespib blocks HIF-1 activity and inhibits tumor growth, vascularization, stem cell maintenance, invasion, and metastasis in orthotopic mouse models of triple-negative breast cancer. *Journal of Molecular Medicine*, **2014**, 92, 151-64 5.5 75
- 278 Promotion of airway anastomotic microvascular regeneration and alleviation of airway ischemia by deferoxamine nanoparticles. *Biomaterials*, **2014**, 35, 803-813 15.6 39
- 277 Cyclin-dependent kinases regulate lysosomal degradation of hypoxia-inducible factor 1 α to promote cell-cycle progression. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E3325-34 11.5 65

276	Systemic delivery of microencapsulated 3-bromopyruvate for the therapy of pancreatic cancer. <i>Clinical Cancer Research</i> , 2014 , 20, 6406-17	12.9	36
275	Analysis of hypoxia-induced metabolic reprogramming. <i>Methods in Enzymology</i> , 2014 , 542, 425-55	1.7	46
274	PHD3-mediated prolyl hydroxylation of nonmuscle actin impairs polymerization and cell motility. <i>Molecular Biology of the Cell</i> , 2014 , 25, 2788-96	3.5	23
273	Graft microvascular disease in solid organ transplantation. <i>Journal of Molecular Medicine</i> , 2014 , 92, 797-810	3.9	25
272	Regulation of hypoxia-inducible factor-1 isoforms and redox state by carotid body neural activity in rats. <i>Journal of Physiology</i> , 2014 , 592, 3841-58	3.9	66
271	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	11.5	307
270	A genetic mechanism for Tibetan high-altitude adaptation. <i>Nature Genetics</i> , 2014 , 46, 951-6	36.3	242
269	Hypoxia-inducible factor 1 mediates TAZ expression and nuclear localization to induce the breast cancer stem cell phenotype. <i>Oncotarget</i> , 2014 , 5, 12509-27	3.3	83
268	Decreased expression of cystathionine β -synthase promotes glioma tumorigenesis. <i>Molecular Cancer Research</i> , 2014 , 12, 1398-406	6.6	45
267	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	10.6	197
266	Hypoxia-inducible factors regulate human and rat cystathionine β -synthase gene expression. <i>Biochemical Journal</i> , 2014 , 458, 203-11	3.8	30
265	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	11.5	349
264	Oxygen sensing, hypoxia-inducible factors, and disease pathophysiology. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2014 , 9, 47-71	34	672
263	Hypoxia-inducible factor 1 and cardiovascular disease. <i>Annual Review of Physiology</i> , 2014 , 76, 39-56	23.1	335
262	Hypoxia-inducible factors enhance glutamate signaling in cancer cells. <i>Oncotarget</i> , 2014 , 5, 8853-68	3.3	45
261	Hypoxia and Breast Cancer Metastasis. <i>Cancer Drug Discovery and Development</i> , 2014 , 3-19	0.3	
260	Tie2-dependent VHL knockdown promotes airway microvascular regeneration and attenuates invasive growth of <i>Aspergillus fumigatus</i> . <i>Journal of Molecular Medicine</i> , 2013 , 91, 1081-93	5.5	20
259	The ubiquitin ligase Stub1 negatively modulates regulatory T cell suppressive activity by promoting degradation of the transcription factor Foxp3. <i>Immunity</i> , 2013 , 39, 272-85	32.3	196

258	Sustained delivery of a HIF-1 antagonist for ocular neovascularization. <i>Journal of Controlled Release</i> , 2013 , 172, 625-33	11.7	47
257	Hypoxia-inducible factor 1 is required for remote ischemic preconditioning of the heart. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 17462-7	11.5	120
256	Sirtuin-7 inhibits the activity of hypoxia-inducible factors. <i>Journal of Biological Chemistry</i> , 2013 , 288, 20768-20776	9.4	136
255	Mutual antagonism between hypoxia-inducible factors 1 and 2 regulates oxygen sensing and cardio-respiratory homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E1788-96	11.5	66
254	Chronic intermittent hypoxia induces atherosclerosis via activation of adipose angiopoietin-like 4. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 188, 240-8	10.2	131
253	Cancer-stromal cell interactions mediated by hypoxia-inducible factors promote angiogenesis, lymphangiogenesis, and metastasis. <i>Oncogene</i> , 2013 , 32, 4057-63	9.2	155
252	A nontranscriptional role for HIF-1 α as a direct inhibitor of DNA replication. <i>Science Signaling</i> , 2013 , 6, ra10	8.8	69
251	Increased susceptibility of HIF-1 heterozygous-null mice to cardiovascular malformations associated with maternal diabetes. <i>Journal of Molecular and Cellular Cardiology</i> , 2013 , 60, 129-41	5.8	36
250	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, 10819-29	5.4	309
249	Role of hypoxia-inducible factors in breast cancer metastasis. <i>Future Oncology</i> , 2013 , 9, 1623-36	3.6	173
248	Chaperone-mediated autophagy targets hypoxia-inducible factor-1 α (HIF-1 α) for lysosomal degradation. <i>Journal of Biological Chemistry</i> , 2013 , 288, 10703-14	5.4	164
247	Procollagen lysyl hydroxylase 2 is essential for hypoxia-induced breast cancer metastasis. <i>Molecular Cancer Research</i> , 2013 , 11, 456-66	6.6	175
246	Collagen prolyl hydroxylases are essential for breast cancer metastasis. <i>Cancer Research</i> , 2013 , 73, 3285-96	6.1	198
245	Hypoxic retinal Muller cells promote vascular permeability by HIF-1-dependent up-regulation of angiopoietin-like 4. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E3425-34	11.5	95
244	VEGF secreted by hypoxic Muller cells induces MMP-2 expression and activity in endothelial cells to promote retinal neovascularization in proliferative diabetic retinopathy. <i>Diabetes</i> , 2013 , 62, 3863-73	0.9	89
243	HIF-1 mediates metabolic responses to intratumoral hypoxia and oncogenic mutations. <i>Journal of Clinical Investigation</i> , 2013 , 123, 3664-71	15.9	812
242	Hypoxia-inducible factor-dependent breast cancer-mesenchymal stem cell bidirectional signaling promotes metastasis. <i>Journal of Clinical Investigation</i> , 2013 , 123, 189-205	15.9	140
241	Hypoxia-inducible factor-dependent breast cancer-mesenchymal stem cell bidirectional signaling promotes metastasis. <i>Journal of Clinical Investigation</i> , 2013 , 123, 1402-1402	15.9	118

240	Digoxin as an inhibitor of global hypoxia inducible factor-1 (HIF1 α) expression and downstream targets in breast cancer: Dig-HIF1 pharmacodynamic trial.. <i>Journal of Clinical Oncology</i> , 2013 , 31, TPS1144-TPS1144	2.2	144
239	Gaseous messengers in oxygen sensing. <i>Journal of Molecular Medicine</i> , 2012 , 90, 265-72	5.5	57
238	Gas biology: small molecular medicine. <i>Journal of Molecular Medicine</i> , 2012 , 90, 213-5	5.5	6
237	Emerging roles of PKM2 in cell metabolism and cancer progression. <i>Trends in Endocrinology and Metabolism</i> , 2012 , 23, 560-6	8.8	243
236	Molecular mechanisms mediating metastasis of hypoxic breast cancer cells. <i>Trends in Molecular Medicine</i> , 2012 , 18, 534-43	11.5	149
235	Hypoxia-inducible factors: mediators of cancer progression and targets for cancer therapy. <i>Trends in Pharmacological Sciences</i> , 2012 , 33, 207-14	13.2	1021
234	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	47.9	391
233	Hypoxia-inducible factors in physiology and medicine. <i>Cell</i> , 2012 , 148, 399-408	56.2	1955
232	Four-and-a-half LIM domain proteins inhibit transactivation by hypoxia-inducible factor 1. <i>Journal of Biological Chemistry</i> , 2012 , 287, 6139-49	5.4	38
231	The role of hypoxia-inducible factors in oxygen sensing by the carotid body. <i>Advances in Experimental Medicine and Biology</i> , 2012 , 758, 1-5	3.6	22
230	Hypoxia regulates CD44 and its variant isoforms through HIF-1 α in triple negative breast cancer. <i>PLoS ONE</i> , 2012 , 7, e44078	3.7	87
229	Hypoxia-inducible factor 1 transcriptional activity in endothelial cells is required for acute phase cardioprotection induced by ischemic preconditioning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 10504-9	11.5	66
228	Inhibitors of hypoxia-inducible factor 1 block breast cancer metastatic niche formation and lung metastasis. <i>Journal of Molecular Medicine</i> , 2012 , 90, 803-15	5.5	160
227	Epigenetic regulation of hypoxic sensing disrupts cardiorespiratory homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 2515-20	11.5	105
226	Matrix rigidity controls endothelial differentiation and morphogenesis of cardiac precursors. <i>Science Signaling</i> , 2012 , 5, ra41	8.8	51
225	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	11.5	147
224	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	11.5	164
223	Endothelial expression of hypoxia-inducible factor 1 protects the murine heart and aorta from pressure overload by suppression of TGF- β signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E841-50	11.5	94

222	Digoxin inhibits development of hypoxic pulmonary hypertension in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 1239-44	11.5	74
221	Tie2-dependent knockout of HIF-1 impairs burn wound vascularization and homing of bone marrow-derived angiogenic cells. <i>Cardiovascular Research</i> , 2012 , 93, 162-9	9.9	25
220	Cancer Metabolism, HIF-1, and Novel Anti-Cancer Therapies. <i>FASEB Journal</i> , 2012 , 26, 348.3	0.9	
219	A Novel EGLN1/PHD2 High-Frequency Variant in Tibetans Protects Against Hypoxia-Induced Polycythemia.. <i>Blood</i> , 2012 , 120, 2079-2079	2.2	
218	Pyruvate kinase M2 is a PHD3-stimulated coactivator for hypoxia-inducible factor 1. <i>Cell</i> , 2011 , 145, 732-44	46.2	922
217	Control of T(H)17/T(reg) balance by hypoxia-inducible factor 1. <i>Cell</i> , 2011 , 146, 772-84	56.2	1000
216	Oxygen sensing, homeostasis, and disease. <i>New England Journal of Medicine</i> , 2011 , 365, 537-47	59.2	703
215	MCM proteins are negative regulators of hypoxia-inducible factor 1. <i>Molecular Cell</i> , 2011 , 42, 700-12	17.6	58
214	Metabolic regulation of hematopoietic stem cells in the hypoxic niche. <i>Cell Stem Cell</i> , 2011 , 9, 298-310	18	544
213	Metabolic reprogramming by HIF-1 promotes the survival of bone marrow-derived angiogenic cells in ischemic tissue. <i>Blood</i> , 2011 , 117, 4988-98	2.2	50
212	Hypoxia-inducible factor 1: regulator of mitochondrial metabolism and mediator of ischemic preconditioning. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011 , 1813, 1263-8	4.9	310
211	Physiological and Therapeutic Vascular Remodeling Mediated by Hypoxia-Inducible Factor 1 2011 , 111-125		
210	Aging impairs the mobilization and homing of bone marrow-derived angiogenic cells to burn wounds. <i>Journal of Molecular Medicine</i> , 2011 , 89, 985-95	5.5	41
209	Hypoxia-inducible factor 1 mediates increased expression of NADPH oxidase-2 in response to intermittent hypoxia. <i>Journal of Cellular Physiology</i> , 2011 , 226, 2925-33	7	148
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