

Randall S Johnson

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.

220 papers	42,412 citations	101 h-index	205 g-index
254 ext. papers	46,527 ext. citations	12.5 avg, IF	7.13 L-index

#	Paper	IF	Citations
220	Vitamin B6 Metabolism Determines T Cell Anti-Tumor Responses.. <i>Frontiers in Immunology</i> , 2022 , 13, 837669	8.4	1
219	Perivascular Macrophages Regulate Blood Flow Following Tissue Damage. <i>Circulation Research</i> , 2021 , 128, 1694-1707	15.7	3
218	Oxygen-Mediated Suppression of CD8+ T Cell Proliferation by Macrophages: Role of Pharmacological Inhibitors of HIF Degradation. <i>Frontiers in Immunology</i> , 2021 , 12, 633586	8.4	1
217	Endothelial cell regulation of systemic haemodynamics and metabolism acts through the HIF transcription factors. <i>Intensive Care Medicine Experimental</i> , 2021 , 9, 28	3.7	1
216	Response to Swenson and Bittsch. <i>Acta Physiologica</i> , 2021 , 231, e13494	5.6	0
215	Modified Hypoxia-Inducible Factor Expression in CD8 T Cells Increases Antitumor Efficacy. <i>Cancer Immunology Research</i> , 2021 , 9, 401-414	12.5	5
214	Oxygen regulation of TET enzymes. <i>FEBS Journal</i> , 2021 ,	5.7	5
213	Macrophage metabolic reprogramming presents a therapeutic target in lupus nephritis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 15160-15171	11.5	27
212	Deregulated hypoxic response in myeloid cells: A model for high-altitude pulmonary oedema (HAPE). <i>Acta Physiologica</i> , 2020 , 229, e13461	5.6	3
211	2-Hydroxyglutarate Metabolism Is Altered in an Model of LPS Induced Endotoxemia. <i>Frontiers in Physiology</i> , 2020 , 11, 147	4.6	2
210	Cytotoxic T-cells mediate exercise-induced reductions in tumor growth. <i>ELife</i> , 2020 , 9,	8.9	27
209	The S enantiomer of 2-hydroxyglutarate increases central memory CD8 populations and improves CAR-T therapy outcome. <i>Blood Advances</i> , 2020 , 4, 4483-4493	7.8	7
208	Hypoxia-inducible factor controls immunoregulatory properties of myeloid cells in mouse cardiac allografts - an experimental study. <i>Transplant International</i> , 2019 , 32, 95-106	3	5
207	Acute and chronic hypoxia differentially predispose lungs for metastases. <i>Scientific Reports</i> , 2019 , 9, 10246	4.9	12
206	Remodeling of Bone Marrow Hematopoietic Stem Cell Niches Promotes Myeloid Cell Expansion during Premature or Physiological Aging. <i>Cell Stem Cell</i> , 2019 , 25, 407-418.e6	18	114
205	The Factor Inhibiting HIF Asparaginyl Hydroxylase Regulates Oxidative Metabolism and Accelerates Metabolic Adaptation to Hypoxia. <i>Cell Metabolism</i> , 2018 , 27, 898-913.e7	24.6	35
204	Aging of Bone Marrow Microenvironment Promotes Myeloid Bias of Hematopoietic Progenitors and Is a Target in Age-Related Myeloproliferative Neoplasms. <i>Blood</i> , 2018 , 132, 3842-3842	2.2	2

203	HIF-2 α is essential for carotid body development and function. <i>ELife</i> , 2018 , 7, 1-12	8.9	24
202	Glycolytic Response to Inflammation Over Time: Role of Myeloid HIF-1 α . <i>Frontiers in Physiology</i> , 2018 , 9, 1624	4.6	8
201	The role of Olfr78 in the breathing circuit of mice. <i>Nature</i> , 2018 , 561, E33-E40	50.4	32
200	Hypoxia determines survival outcomes of bacterial infection through HIF-1 α dependent re-programming of leukocyte metabolism. <i>Science Immunology</i> , 2017 , 2, 1-12	28	45
199	A Molecular Mechanism To Switch the Aryl Hydrocarbon Receptor from a Transcription Factor to an E3 Ubiquitin Ligase. <i>Molecular and Cellular Biology</i> , 2017 , 37, 1-12	4.8	29
198	Metabolic basis to Sherpa altitude adaptation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 6382-6387	11.5	107
197	Modelling pulmonary microthrombosis coupled to metastasis: distinct effects of thrombogenesis on tumorigenesis. <i>Biology Open</i> , 2017 , 6, 688-697	2.2	8
196	An HIF-1 α /VEGF-A Axis in Cytotoxic T Cells Regulates Tumor Progression. <i>Cancer Cell</i> , 2017 , 32, 669-683.e5	54.3	207
195	Cutaneous exposure to hypoxia does not affect skin perfusion in humans. <i>Acta Physiologica</i> , 2017 , 220, 361-369	5.6	4
194	Cardiovascular adaptation to hypoxia and the role of peripheral resistance. <i>ELife</i> , 2017 , 6, 1-12	8.9	18
193	Diverse roles of cell-specific hypoxia-inducible factor 1 in cancer-associated hypercoagulation. <i>Blood</i> , 2016 , 127, 1355-60	2.2	18
192	S-2-hydroxyglutarate regulates CD8 T-lymphocyte fate. <i>Nature</i> , 2016 , 540, 236-241	50.4	223
191	Constitutive Glycolytic Metabolism Supports CD8 T Cell Effector Memory Differentiation during Viral Infection. <i>Immunity</i> , 2016 , 45, 1024-1037	32.3	112
190	HIF-1 α /PDK1 axis-induced active glycolysis plays an essential role in macrophage migratory capacity. <i>Nature Communications</i> , 2016 , 7, 11635	17.4	160
189	Autocrine VEGF Isoforms Differentially Regulate Endothelial Cell Behavior. <i>Frontiers in Cell and Developmental Biology</i> , 2016 , 4, 99	5.7	17
188	Cutaneous control of blood pressure. <i>Current Opinion in Nephrology and Hypertension</i> , 2016 , 25, 11-5	3.5	22
187	A Sensor for Low Environmental Oxygen in the Mouse Main Olfactory Epithelium. <i>Neuron</i> , 2016 , 92, 1196-1203	103.7	37
186	Profile of William Kaelin, Peter Ratcliffe, and Greg Semenza, 2016 Albert Lasker Basic Medical Research Awardees. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 13938-13940	11.5	1

185	To PFKFB3 or Not to PFKFB3, That Is the Question. <i>Cancer Cell</i> , 2016 , 30, 831	24.3	2
184	HIF2 β arginase axis is essential for the development of pulmonary hypertension. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 8801-6	11.5	97
183	Kidney injury is independent of endothelial HIF-1 α . <i>Journal of Molecular Medicine</i> , 2015 , 93, 891-904	5.5	14
182	The HIF-1/glial TIM-3 axis controls inflammation-associated brain damage under hypoxia. <i>Nature Communications</i> , 2015 , 6, 6340	17.4	81
181	Role of Tumor Pericytes in the Recruitment of Myeloid-Derived Suppressor Cells. <i>Journal of the National Cancer Institute</i> , 2015 , 107,	9.7	46
180	Suppression of erythropoiesis by dietary nitrate. <i>FASEB Journal</i> , 2015 , 29, 1102-12	0.9	14
179	Nitrate enhances skeletal muscle fatty acid oxidation via a nitric oxide-cGMP-PPAR-mediated mechanism. <i>BMC Biology</i> , 2015 , 13, 110	7.3	30
178	HIF1 α Represses Cell Stress Pathways to Allow Proliferation of Hypoxic Fetal Cardiomyocytes. <i>Developmental Cell</i> , 2015 , 33, 507-21	10.2	82
177	Through a Clear Cell, Darkly: HIF2 α /PLIN2-Maintained Fat Droplets Protect ccRCCs from ER Stress. <i>Cancer Discovery</i> , 2015 , 5, 584-5	24.4	2
176	Hypoxia-inducible factor 2 α Regulates key neutrophil functions in humans, mice, and zebrafish. <i>Blood</i> , 2014 , 123, 366-76	2.2	90
175	Negative regulation of HIF in skeletal muscle of elite endurance athletes: a tentative mechanism promoting oxidative metabolism. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014 , 307, R248-55	3.2	29
174	A whiter shade of gray: HIF and coordination of angiogenesis with postnatal myelination. <i>Developmental Cell</i> , 2014 , 30, 116-7	10.2	3
173	HIF transcription factors, inflammation, and immunity. <i>Immunity</i> , 2014 , 41, 518-28	32.3	603
172	Dietary nitrate increases arginine availability and protects mitochondrial complex I and energetics in the hypoxic rat heart. <i>Journal of Physiology</i> , 2014 , 592, 4715-31	3.9	42
171	Increased adipocyte O ₂ consumption triggers HIF-1 α causing inflammation and insulin resistance in obesity. <i>Cell</i> , 2014 , 157, 1339-1352	56.2	304
170	Evaluating the impact of multisensor data assimilation on a global aerosol particle transport model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 4674-4689	4.4	41
169	Epidermal deletion of HIF-2 β stimulates wound closure. <i>Journal of Investigative Dermatology</i> , 2014 , 134, 801-808	4.3	14
168	Hypoxia-inducible factor-1 α Induces ErbB4 signaling in the differentiating mammary gland. <i>Journal of Biological Chemistry</i> , 2014 , 289, 22459-69	5.4	6

167	Gene-environment interaction demonstrates the vulnerability of the embryonic heart. <i>Developmental Biology</i> , 2014 , 391, 99-110	3.1	12
166	HIF-1 α influences myeloid cell antigen presentation and response to subcutaneous OVA vaccination. <i>Journal of Molecular Medicine</i> , 2013 , 91, 1199-205	5.5	38
165	Myeloid cell HIF-1 α regulates asthma airway resistance and eosinophil function. <i>Journal of Molecular Medicine</i> , 2013 , 91, 637-44	5.5	37
164	Hypoxia-inducible factors enhance the effector responses of CD8(+) T cells to persistent antigen. <i>Nature Immunology</i> , 2013 , 14, 1173-82	19.1	373
163	Regulation of glycolysis by Pdk functions as a metabolic checkpoint for cell cycle quiescence in hematopoietic stem cells. <i>Cell Stem Cell</i> , 2013 , 12, 49-61	18	481
162	Tumour oxygenation: implications for breast cancer prognosis. <i>Journal of Internal Medicine</i> , 2013 , 274, 105-12	10.8	50
161	HIF isoforms in the skin differentially regulate systemic arterial pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 17570-5	11.5	43
160	Activation of hypoxia-inducible factor-2 in adipocytes results in pathological cardiac hypertrophy. <i>Journal of the American Heart Association</i> , 2013 , 2, e000548	6	22
159	Hypoxia-inducible factor-1 is a determinant of lobular structure and oxygen consumption in the liver. <i>Microcirculation</i> , 2013 , 20, 385-93	2.9	13
158	Myeloid hypoxia-inducible factor-1 α is essential for skeletal muscle regeneration in mice. <i>Journal of Immunology</i> , 2013 , 191, 407-14	5.3	35
157	HIF1 α is required for osteoclast activation by estrogen deficiency in postmenopausal osteoporosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 16568-73	11.5	119
156	Endothelial hypoxic metabolism in carcinogenesis and dissemination: HIF-A isoforms are a NO metastatic phenomenon. <i>Oncotarget</i> , 2013 , 4, 2567-76	3.3	9
155	Aberrant mural cell recruitment to lymphatic vessels and impaired lymphatic drainage in a murine model of pulmonary fibrosis. <i>Blood</i> , 2012 , 119, 5931-42	2.2	31
154	Loss of fibroblast HIF-1 α accelerates tumorigenesis. <i>Cancer Research</i> , 2012 , 72, 3187-95	10.1	49
153	A new pharmacological agent (AKB-4924) stabilizes hypoxia inducible factor-1 (HIF-1) and increases skin innate defenses against bacterial infection. <i>Journal of Molecular Medicine</i> , 2012 , 90, 1079-89	5.5	86
152	HIF-1 α induction suppresses excessive lipid accumulation in alcoholic fatty liver in mice. <i>Journal of Hepatology</i> , 2012 , 56, 441-7	13.4	77
151	Normal glucose uptake in the brain and heart requires an endothelial cell-specific HIF-1 α -dependent function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 17478-83	11.5	73
150	Influence of hypoxia-inducible factor 1 α on dendritic cell differentiation and migration. <i>European Journal of Immunology</i> , 2012 , 42, 1226-36	6.1	66

149	HIF-mediated endothelial response during cancer progression. <i>International Journal of Hematology</i> , 2012 , 95, 471-7	2.3	13
148	Endothelial cell HIF-1 and HIF-2 differentially regulate metastatic success. <i>Cancer Cell</i> , 2012 , 21, 52-65	24.3	116
147	microRNA-31/factor-inhibiting hypoxia-inducible factor 1 nexus regulates keratinocyte differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 14030-4	11.5	90
146	HIF1 and HIF2 sibling rivalry in hypoxic tumour growth and progression. <i>Nature Reviews Cancer</i> , 2011 , 12, 9-22	31.3	1151
145	Vascular Endothelial Growth Factor and Tumour-Associated Macrophages 2011 , 105-115		
144	Disruption of HIF-1 in hepatocytes impairs glucose metabolism in diet-induced obesity mice. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 415, 445-9	3.4	33
143	Ischaemia-induced retinal neovascularisation and diabetic retinopathy in mice with conditional knockout of hypoxia-inducible factor-1 in retinal Müller cells. <i>Diabetologia</i> , 2011 , 54, 1554-66	10.3	89
142	Astrocyte pVHL and HIF-1 isoforms are required for embryonic-to-adult vascular transition in the eye. <i>Journal of Cell Biology</i> , 2011 , 195, 689-701	7.3	21
141	A wound size-dependent effect of myeloid cell-derived vascular endothelial growth factor on wound healing. <i>Journal of Investigative Dermatology</i> , 2011 , 131, 797-801	4.3	29
140	Prolyl hydroxylase 3 (PHD3) is essential for hypoxic regulation of neutrophilic inflammation in humans and mice. <i>Journal of Clinical Investigation</i> , 2011 , 121, 1053-63	15.9	129
139	O2 regulates stem cells through Wnt/β-catenin signalling. <i>Nature Cell Biology</i> , 2010 , 12, 1007-13	23.4	356
138	Role of HIF-1α in skeletal development. <i>Annals of the New York Academy of Sciences</i> , 2010 , 1192, 322-6	6.5	112
137	Loss of myeloid cell-derived vascular endothelial growth factor accelerates fibrosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 4329-34	11.5	54
136	Macrophage expression of hypoxia-inducible factor-1 α suppresses T-cell function and promotes tumor progression. <i>Cancer Research</i> , 2010 , 70, 7465-75	10.1	438
135	Differential activation and antagonistic function of HIF-1 isoforms in macrophages are essential for NO homeostasis. <i>Genes and Development</i> , 2010 , 24, 491-501	12.6	405
134	von Hippel-Lindau protein regulates transition from the fetal to the adult circulatory system in retina. <i>Development (Cambridge)</i> , 2010 , 137, 1563-71	6.6	53
133	Hypoxia and metastasis in breast cancer. <i>Current Topics in Microbiology and Immunology</i> , 2010 , 345, 121-39	39	25
132	VHL deletion impairs mammary alveologenesis but is not sufficient for mammary tumorigenesis. <i>American Journal of Pathology</i> , 2010 , 176, 2269-82	5.8	12

131	The asparaginyl hydroxylase factor inhibiting HIF-1alpha is an essential regulator of metabolism. <i>Cell Metabolism</i> , 2010 , 11, 364-78	24.6	169
130	Regulation of the HIF-1alpha level is essential for hematopoietic stem cells. <i>Cell Stem Cell</i> , 2010 , 7, 391-402	18.2	651
129	Tumor vessels are Eph-ing complicated. <i>Cancer Cell</i> , 2010 , 17, 533-4	24.3	2
128	Astrocyte hypoxic response is essential for pathological but not developmental angiogenesis of the retina. <i>Glia</i> , 2010 , 58, 1177-85	9	125
127	Astrocyte-derived vascular endothelial growth factor stabilizes vessels in the developing retinal vasculature. <i>PLoS ONE</i> , 2010 , 5, e11863	3.7	104
126	Interdependence of hypoxic and innate immune responses. <i>Nature Reviews Immunology</i> , 2009 , 9, 609-17	36.5	527
125	Nonrenal regulation of EPO synthesis. <i>Kidney International</i> , 2009 , 75, 682-8	9.9	56
124	You don't need a PHD to grow a tumor. <i>Developmental Cell</i> , 2009 , 16, 781-2	10.2	4
123	The function of VEGF-A in lens development: formation of the hyaloid capillary network and protection against transient nuclear cataracts. <i>Experimental Eye Research</i> , 2009 , 88, 270-6	3.7	19
122	HIF-1alpha is necessary to support gluconeogenesis during liver regeneration. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 387, 789-94	3.4	48
121	Oxygen sensing in the brain--invited article. <i>Advances in Experimental Medicine and Biology</i> , 2009 , 648, 369-76	3.6	21
120	Hypoxia-inducible factors 1 and 2 are important transcriptional effectors in primary macrophages experiencing hypoxia. <i>Blood</i> , 2009 , 114, 844-59	2.2	226
119	The glial cell response is an essential component of hypoxia-induced erythropoiesis in mice. <i>Journal of Clinical Investigation</i> , 2009 , 119, 3373-83	15.9	72
118	Critical role of HIF-1alpha in keratinocyte defense against bacterial infection. <i>Journal of Investigative Dermatology</i> , 2008 , 128, 1964-8	4.3	101
117	NF-kappaB links innate immunity to the hypoxic response through transcriptional regulation of HIF-1alpha. <i>Nature</i> , 2008 , 453, 807-11	50.4	1108
116	A role for VEGF as a negative regulator of pericyte function and vessel maturation. <i>Nature</i> , 2008 , 456, 809-13	50.4	476
115	Deletion of vascular endothelial growth factor in myeloid cells accelerates tumorigenesis. <i>Nature</i> , 2008 , 456, 814-8	50.4	358
114	Biology of HIF-1alpha. <i>Cell Death and Differentiation</i> , 2008 , 15, 621-7	12.7	595

113	Hypoxia-inducible factor-2 regulates vascular tumorigenesis in mice. <i>Oncogene</i> , 2008 , 27, 5354-8	9.2	124
112	HIF1alpha induces the recruitment of bone marrow-derived vascular modulatory cells to regulate tumor angiogenesis and invasion. <i>Cancer Cell</i> , 2008 , 13, 206-20	24.3	919
111	Epidermal sensing of oxygen is essential for systemic hypoxic response. <i>Cell</i> , 2008 , 133, 223-34	56.2	135
110	Cited2 is required for the proper formation of the hyaloid vasculature and for lens morphogenesis. <i>Development (Cambridge)</i> , 2008 , 135, 2939-48	6.6	38
109	Hypoxia-inducible factor-dependent degeneration, failure, and malignant transformation of the heart in the absence of the von Hippel-Lindau protein. <i>Molecular and Cellular Biology</i> , 2008 , 28, 3790-803	4.8	107
108	Pharmacologic augmentation of hypoxia-inducible factor-1alpha with mimosine boosts the bactericidal capacity of phagocytes. <i>Journal of Infectious Diseases</i> , 2008 , 197, 214-7	7	70
107	Role of the hypoxia inducible factors HIF in iron metabolism. <i>Cell Cycle</i> , 2008 , 7, 28-32	4.7	150
106	HIF-1: an age-dependent regulator of lens cell proliferation 2008 , 49, 4961-70		28
105	HIF-1 is not a critical determinant for metabolic zonation in liver acinus. <i>FASEB Journal</i> , 2008 , 22, 1016.7	0.9	
104	Hypoxia promotes fibrogenesis in vivo via HIF-1 stimulation of epithelial-to-mesenchymal transition. <i>Journal of Clinical Investigation</i> , 2007 , 117, 3810-20	15.9	647
103	Loss of vascular endothelial growth factor expression reduces vascularization, but not growth, of tumors lacking the Von Hippel-Lindau tumor suppressor gene. <i>Oncogene</i> , 2007 , 26, 4531-40	9.2	9
102	Hypoxia inducible factor (HIF) function in innate immunity and infection. <i>Journal of Molecular Medicine</i> , 2007 , 85, 1339-46	5.5	191
101	Hypoxia: a key regulator of angiogenesis in cancer. <i>Cancer and Metastasis Reviews</i> , 2007 , 26, 281-90	9.6	551
100	Acute postnatal ablation of Hif-2alpha results in anemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 2301-6	11.5	349
99	ATP6V0C competes with von Hippel-Lindau protein in hypoxia-inducible factor 1alpha (HIF-1alpha) binding and mediates HIF-1alpha expression by bafilomycin A1. <i>Molecular Pharmacology</i> , 2007 , 71, 942-8	4.3	30
98	HIF-1alpha in endurance training: suppression of oxidative metabolism. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 293, R2059-69	3.2	84
97	In cultured astrocytes, p53 and MDM2 do not alter hypoxia-inducible factor-1alpha function regardless of the presence of DNA damage. <i>Journal of Biological Chemistry</i> , 2007 , 282, 16187-201	5.4	21
96	Transgenic models to understand hypoxia-inducible factor function. <i>Methods in Enzymology</i> , 2007 , 435, 87-105	1.7	11

95	Hypoxia-inducible factor-1alpha is a key regulator of metastasis in a transgenic model of cancer initiation and progression. <i>Cancer Research</i> , 2007 , 67, 563-72	10.1	289
94	Cutting edge: Essential role of hypoxia inducible factor-1alpha in development of lipopolysaccharide-induced sepsis. <i>Journal of Immunology</i> , 2007 , 178, 7516-9	5.3	356
93	Hypoxia-inducible factor-2 (HIF-2) regulates hepatic erythropoietin in vivo. <i>Journal of Clinical Investigation</i> , 2007 , 117, 1068-77	15.9	419
92	Hif-1alpha regulates differentiation of limb bud mesenchyme and joint development. <i>Journal of Cell Biology</i> , 2007 , 177, 451-64	7.3	158
91	The hypoxia-inducible factor alpha pathway couples angiogenesis to osteogenesis during skeletal development. <i>Journal of Clinical Investigation</i> , 2007 , 117, 1616-26	15.9	514
90	HIF1alpha regulation of Sox9 is necessary to maintain differentiation of hypoxic prechondrogenic cells during early skeletogenesis. <i>Development (Cambridge)</i> , 2007 , 134, 3917-28	6.6	222
89	Regulation of iron homeostasis by the hypoxia-inducible transcription factors (HIFs). <i>Journal of Clinical Investigation</i> , 2007 , 117, 1926-32	15.9	447
88	HIF-1 regulates heritable variation and allele expression phenotypes of the macrophage immune response gene SLC11A1 from a Z-DNA forming microsatellite. <i>Blood</i> , 2007 , 110, 3039-48	2.2	60
87	The role of HIF-1 in hypoxic response in the skeletal muscle. <i>Advances in Experimental Medicine and Biology</i> , 2007 , 618, 229-44	3.6	41
86	Waiting to inhale: HIF-1 modulates aerobic respiration. <i>Cell</i> , 2007 , 129, 29-30	56.2	7
85	Can irradiated tumors take NO for an answer?. <i>Molecular Cell</i> , 2007 , 26, 157-8	17.6	0
84	Neuron-specific inactivation of the hypoxia inducible factor 1 alpha increases brain injury in a mouse model of transient focal cerebral ischemia. <i>Journal of Neuroscience</i> , 2007 , 27, 6320-32	6.6	289
83	A wrinkle in the unfolding of hypoxic response: HIF and ATF4. <i>Blood</i> , 2007 , 110, 3492-3493	2.2	2
82	pVHL function is essential for endothelial extracellular matrix deposition. <i>Molecular and Cellular Biology</i> , 2006 , 26, 2519-30	4.8	76
81	Bafilomycin induces the p21-mediated growth inhibition of cancer cells under hypoxic conditions by expressing hypoxia-inducible factor-1alpha. <i>Molecular Pharmacology</i> , 2006 , 70, 1856-65	4.3	59
80	In vitro liver tissue model established from transgenic mice: role of HIF-1alpha on hypoxic gene expression. <i>Tissue Engineering</i> , 2006 , 12, 3135-47		11
79	TLR4-dependent hepcidin expression by myeloid cells in response to bacterial pathogens. <i>Blood</i> , 2006 , 107, 3727-32	2.2	273
78	The host cell transcription factor hypoxia-inducible factor 1 is required for Toxoplasma gondii growth and survival at physiological oxygen levels. <i>Cellular Microbiology</i> , 2006 , 8, 339-52	3.9	84

77	VEGF modulates erythropoiesis through regulation of adult hepatic erythropoietin synthesis. <i>Nature Medicine</i> , 2006 , 12, 793-800	50.5	131
76	In Vitro Liver Tissue Model Established from Transgenic Mice: Role of HIF1alpha on Hypoxic Gene Expression. <i>Tissue Engineering</i> , 2006 , 061004065151004		
75	Hypoxia-induced neutrophil survival is mediated by HIF-1alpha-dependent NF-kappaB activity. <i>Journal of Experimental Medicine</i> , 2005 , 201, 105-15	16.6	632
74	A new notch in the HIF belt: how hypoxia impacts differentiation. <i>Developmental Cell</i> , 2005 , 9, 575-6	10.2	29
73	Hypoxic inhibition of 3-methylcholanthrene-induced CYP1A1 expression is independent of HIF-1alpha. <i>Toxicology Letters</i> , 2005 , 155, 151-9	4.4	20
72	HIF-1alpha expression regulates the bactericidal capacity of phagocytes. <i>Journal of Clinical Investigation</i> , 2005 , 115, 1806-15	15.9	497
71	Hypoxia inducible factor 1 alpha regulates T cell receptor signal transduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 17071-6	11.5	101
70	Brain-specific knock-out of hypoxia-inducible factor-1alpha reduces rather than increases hypoxic-ischemic damage. <i>Journal of Neuroscience</i> , 2005 , 25, 4099-107	6.6	210
69	Inhibition of NGF deprivation-induced death by low oxygen involves suppression of BIMEL and activation of HIF-1. <i>Journal of Cell Biology</i> , 2005 , 168, 911-20	7.3	37
68	Inactivation of the arylhydrocarbon receptor nuclear translocator (Arnt) suppresses von Hippel-Lindau disease-associated vascular tumors in mice. <i>Molecular and Cellular Biology</i> , 2005 , 25, 3163-72	4.8	125
67	DNA topoisomerase I is a cofactor for c-Jun in the regulation of epidermal growth factor receptor expression and cancer cell proliferation. <i>Molecular and Cellular Biology</i> , 2005 , 25, 5040-51	4.8	40
66	Deletion of Vhlh in chondrocytes reduces cell proliferation and increases matrix deposition during growth plate development. <i>Development (Cambridge)</i> , 2004 , 131, 2497-508	6.6	105
65	Glucose utilization is essential for hypoxia-inducible factor 1 alpha-dependent phosphorylation of c-Jun. <i>Molecular and Cellular Biology</i> , 2004 , 24, 4128-37	4.8	22
64	Vhlh gene deletion induces Hif-1-mediated cell death in thymocytes. <i>Molecular and Cellular Biology</i> , 2004 , 24, 9038-47	4.8	91
63	The human CYP1A1 gene is regulated in a developmental and tissue-specific fashion in transgenic mice. <i>Journal of Biological Chemistry</i> , 2004 , 279, 23969-76	5.4	17
62	Cardiac myocyte-specific HIF-1alpha deletion alters vascularization, energy availability, calcium flux, and contractility in the normoxic heart. <i>FASEB Journal</i> , 2004 , 18, 1138-40	0.9	165
61	A nuclear receptor corepressor transcriptional checkpoint controlling activator protein 1-dependent gene networks required for macrophage activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 14461-6	11.5	149
60	Hypoxic induction of Ctgf is directly mediated by Hif-1. <i>American Journal of Physiology - Renal Physiology</i> , 2004 , 287, F1223-32	4.3	233

59	VEGFA is necessary for chondrocyte survival during bone development. <i>Development (Cambridge)</i> , 2004 , 131, 2161-71	6.6	301
58	Loss of skeletal muscle HIF-1alpha results in altered exercise endurance. <i>PLoS Biology</i> , 2004 , 2, e288	9.7	148
57	Expression of VEGF isoforms by epiphyseal chondrocytes during low-oxygen tension is HIF-1 alpha dependent. <i>Osteoarthritis and Cartilage</i> , 2004 , 12, 433-9	6.2	70
56	Loss of HIF-1alpha in endothelial cells disrupts a hypoxia-driven VEGF autocrine loop necessary for tumorigenesis. <i>Cancer Cell</i> , 2004 , 6, 485-95	24.3	450
55	Epithelial hypoxia-inducible factor-1 is protective in murine experimental colitis. <i>Journal of Clinical Investigation</i> , 2004 , 114, 1098-1106	15.9	409
54	HIF-1 and hypoxic response: the plot thickens. <i>Current Opinion in Genetics and Development</i> , 2004 , 14, 81-5	4.9	132
53	Epithelial hypoxia-inducible factor-1 is protective in murine experimental colitis. <i>Journal of Clinical Investigation</i> , 2004 , 114, 1098-106	15.9	285
52	Hypoxia-inducible factor 1alpha is essential for cell cycle arrest during hypoxia. <i>Molecular and Cellular Biology</i> , 2003 , 23, 359-69	4.8	424
51	A Novel Role for the Hypoxia Inducible Transcription Factor HIF-1alpha: Critical Regulation of Inflammatory Cell Function. <i>Cell Cycle</i> , 2003 , 2, 191-192	4.7	74
50	Gene expression profiling of the hypoxia signaling pathway in hypoxia-inducible factor 1alpha null mouse embryonic fibroblasts. <i>Gene Expression</i> , 2003 , 11, 181-97	3.4	89
49	The hypoxic response of tumors is dependent on their microenvironment. <i>Cancer Cell</i> , 2003 , 4, 133-46	24.3	345
48	The hypoxia-inducible factor-1 alpha is a negative factor for tumor therapy. <i>Oncogene</i> , 2003 , 22, 3213-20.	9.2	293
47	HIF-1 as a target for drug development. <i>Nature Reviews Drug Discovery</i> , 2003 , 2, 803-11	64.1	492
46	Decreased expression of the DNA mismatch repair gene Mlh1 under hypoxic stress in mammalian cells. <i>Molecular and Cellular Biology</i> , 2003 , 23, 3265-73	4.8	231
45	HIF-1alpha is essential for myeloid cell-mediated inflammation. <i>Cell</i> , 2003 , 112, 645-57	56.2	1552
44	c-Jun is essential for organization of the epidermal leading edge. <i>Developmental Cell</i> , 2003 , 4, 865-77	10.2	186
43	HIF-1 in cell cycle regulation, apoptosis, and tumor progression. <i>Antioxidants and Redox Signaling</i> , 2003 , 5, 467-73	8.4	93
42	HIF1alpha is a critical regulator of secretory differentiation and activation, but not vascular expansion, in the mouse mammary gland. <i>Development (Cambridge)</i> , 2003 , 130, 1713-24	6.6	67

41	Hypoxia-induced gene expression occurs solely through the action of hypoxia-inducible factor 1alpha (HIF-1alpha): role of cytoplasmic trapping of HIF-2alpha. <i>Molecular and Cellular Biology</i> , 2003 , 23, 4959-71	4.8	149
40	HIF-1alpha controls extracellular matrix synthesis by epiphyseal chondrocytes. <i>Journal of Cell Science</i> , 2003 , 116, 1819-26	5.3	205
39	A novel role for the hypoxia inducible transcription factor HIF-1alpha: critical regulation of inflammatory cell function. <i>Cell Cycle</i> , 2003 , 2, 192-3	4.7	37
38	c-jun is essential for sympathetic neuronal death induced by NGF withdrawal but not by p75 activation. <i>Journal of Cell Biology</i> , 2002 , 158, 453-61	7.3	106
37	Physiologically low oxygen concentrations in fetal skin regulate hypoxia-inducible factor 1 and transforming growth factor-beta3. <i>FASEB Journal</i> , 2002 , 16, 411-3	0.9	64
36	The response of c-jun/AP-1 to chronic hypoxia is hypoxia-inducible factor 1 alpha dependent. <i>Molecular and Cellular Biology</i> , 2002 , 22, 2515-23	4.8	78
35	Vascular endothelial growth factor enhances endothelial cell survival and tumor radioresistance. <i>Cancer Journal (Sudbury, Mass)</i> , 2002 , 8, 47-54	2.2	139
34	Inhibition of PPAR gamma 2 gene expression by the HIF-1-regulated gene DEC1/Stra13: a mechanism for regulation of adipogenesis by hypoxia. <i>Developmental Cell</i> , 2002 , 2, 331-41	10.2	375
33	Unstable kinetochore-microtubule capture and chromosomal instability following deletion of CENP-E. <i>Developmental Cell</i> , 2002 , 3, 351-65	10.2	257
32	Regulated protein degradation controls PKA function and cell-type differentiation in Dictyostelium. <i>Genes and Development</i> , 2001 , 15, 1435-48	12.6	57
31	Transcription factor HIF-1 is a necessary mediator of the pasteur effect in mammalian cells. <i>Molecular and Cellular Biology</i> , 2001 , 21, 3436-44	4.8	476
30	Induction of hypervascularity without leakage or inflammation in transgenic mice overexpressing hypoxia-inducible factor-1alpha. <i>Genes and Development</i> , 2001 , 15, 2520-32	12.6	245
29	c-jun cooperates with SV40 T-antigen to sustain MMP-2 expression in immortalized cells. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 284, 1134-9	3.4	11
28	Angiogenesis: the role of the microenvironment in flipping the switch. <i>Current Opinion in Genetics and Development</i> , 2001 , 11, 35-40	4.9	112
27	IKKalpha provides an essential link between RANK signaling and cyclin D1 expression during mammary gland development. <i>Cell</i> , 2001 , 107, 763-75	56.2	412
26	Hypoxia in cartilage: HIF-1alpha is essential for chondrocyte growth arrest and survival. <i>Genes and Development</i> , 2001 , 15, 2865-76	12.6	570
25	Isoforms of vascular endothelial growth factor act in a coordinate fashion To recruit and expand tumor vasculature. <i>Molecular and Cellular Biology</i> , 2000 , 20, 7282-91	4.8	211
24	Thymocyte selection is regulated by the helix-loop-helix inhibitor protein, Id3. <i>Immunity</i> , 2000 , 12, 17-26	32.3	174

23	Female mice heterozygous for IKK gamma/NEMO deficiencies develop a dermatopathy similar to the human X-linked disorder incontinentia pigmenti. <i>Molecular Cell</i> , 2000 , 5, 969-79	17.6	357
22	Requirement for p38alpha in erythropoietin expression: a role for stress kinases in erythropoiesis. <i>Cell</i> , 2000 , 102, 221-31	56.2	319
21	Hypoxia-inducible factor-1 (HIF-1) up-regulates adrenomedullin expression in human tumor cell lines during oxygen deprivation: a possible promotion mechanism of carcinogenesis. <i>Molecular Endocrinology</i> , 2000 , 14, 848-62		199
20	Loss of PTEN facilitates HIF-1-mediated gene expression. <i>Genes and Development</i> , 2000 , 14, 391-396	12.6	383
19	The IKKbeta subunit of IkappaB kinase (IKK) is essential for nuclear factor kappaB activation and prevention of apoptosis. <i>Journal of Experimental Medicine</i> , 1999 , 189, 1839-45	16.6	829
18	Loss of Cul1 results in early embryonic lethality and dysregulation of cyclin E. <i>Nature Genetics</i> , 1999 , 23, 245-8	36.3	148
17	c-Jun regulates cell cycle progression and apoptosis by distinct mechanisms. <i>EMBO Journal</i> , 1999 , 18, 188-97	13	482
16	Abnormal morphogenesis but intact IKK activation in mice lacking the IKKalpha subunit of IkappaB kinase. <i>Science</i> , 1999 , 284, 316-20	33.3	745
15	HIF-1 alpha is required for solid tumor formation and embryonic vascularization. <i>EMBO Journal</i> , 1998 , 17, 3005-15	13	1199
14	Epilepsy in mice deficient in the 65-kDa isoform of glutamic acid decarboxylase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 14060-5	11.5	267
13	Uncoupling of obesity from insulin resistance through a targeted mutation in aP2, the adipocyte fatty acid binding protein. <i>Science</i> , 1996 , 274, 1377-9	33.3	721
12	Null mutation of c-fos impairs structural and functional plasticities in the kindling model of epilepsy. <i>Journal of Neuroscience</i> , 1996 , 16, 3827-36	6.6	125
11	Cellular transformation and malignancy induced by ras require c-jun. <i>Molecular and Cellular Biology</i> , 1996 , 16, 4504-11	4.8	258
10	The circadian system of c-fos deficient mice. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1996 , 178, 563-70	2.3	62
9	Alternative pathway of insulin signalling in mice with targeted disruption of the IRS-1 gene. <i>Nature</i> , 1994 , 372, 186-90	50.4	1101
8	Behavioral assessment of c-fos mutant mice. <i>Brain Research</i> , 1994 , 651, 275-82	3.7	61
7	A null mutation at the c-jun locus causes embryonic lethality and retarded cell growth in culture. <i>Genes and Development</i> , 1993 , 7, 1309-17	12.6	327
6	RAG-1-deficient mice have no mature B and T lymphocytes. <i>Cell</i> , 1992 , 68, 869-77	56.2	2328

5	Pleiotropic effects of a null mutation in the c-fos proto-oncogene. <i>Cell</i> , 1992 , 71, 577-86	56.2	571
4	Depletion of CD4+ T cells in major histocompatibility complex class II-deficient mice. <i>Science</i> , 1991 , 253, 1417-20	33.3	612
3	HLA class II regulation and structure. Analysis with HLA-DR3 and HLA-DP point mutants. <i>Journal of Experimental Medicine</i> , 1985 , 162, 1193-207	16.6	56
2	Modified Hypoxia Inducible Factor expression in CD8+ T cells increases anti-tumor efficacy		1
1	Lactate potentiates differentiation and expansion of cytotoxic T cells		5