

Randall S Johnson

List of Publications by Citations

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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	RAG-1-deficient mice have no mature B and T lymphocytes. <i>Cell</i> , 1992 , 68, 869-77	56.2	2328
219	HIF-1alpha is essential for myeloid cell-mediated inflammation. <i>Cell</i> , 2003 , 112, 645-57	56.2	1552
218	HIF-1 alpha is required for solid tumor formation and embryonic vascularization. <i>EMBO Journal</i> , 1998 , 17, 3005-15	13	1199
217	HIF1 and HIF2 sibling rivalry in hypoxic tumour growth and progression. <i>Nature Reviews Cancer</i> , 2011 , 12, 9-22	31.3	1151
216	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
215	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
214	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
213	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
212	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
211	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
210	Regulation of the HIF-1alpha level is essential for hematopoietic stem cells. <i>Cell Stem Cell</i> , 2010 , 7, 391-402	18.2	651
209	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
208	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
207	Depletion of CD4+ T cells in major histocompatibility complex class II-deficient mice. <i>Science</i> , 1991 , 253, 1417-20	33.3	612
206	HIF transcription factors, inflammation, and immunity. <i>Immunity</i> , 2014 , 41, 518-28	32.3	603
205	Biology of HIF-1alpha. <i>Cell Death and Differentiation</i> , 2008 , 15, 621-7	12.7	595
204	Pleiotropic effects of a null mutation in the c-fos proto-oncogene. <i>Cell</i> , 1992 , 71, 577-86	56.2	571

203	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
202	Hypoxia: a key regulator of angiogenesis in cancer. <i>Cancer and Metastasis Reviews</i> , 2007 , 26, 281-90	9.6	551
201	Interdependence of hypoxic and innate immune responses. <i>Nature Reviews Immunology</i> , 2009 , 9, 609-17	36.5	527
200	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
199	HIF-1alpha expression regulates the bactericidal capacity of phagocytes. <i>Journal of Clinical Investigation</i> , 2005 , 115, 1806-15	15.9	497
198	HIF-1 as a target for drug development. <i>Nature Reviews Drug Discovery</i> , 2003 , 2, 803-11	64.1	492
197	c-Jun regulates cell cycle progression and apoptosis by distinct mechanisms. <i>EMBO Journal</i> , 1999 , 18, 188-97	13	482
196	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
195	A role for VEGF as a negative regulator of pericyte function and vessel maturation. <i>Nature</i> , 2008 , 456, 809-13	50.4	476
194	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
193	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
192	Regulation of iron homeostasis by the hypoxia-inducible transcription factors (HIFs). <i>Journal of Clinical Investigation</i> , 2007 , 117, 1926-32	15.9	447
191	Macrophage expression of hypoxia-inducible factor-1 alpha suppresses T-cell function and promotes tumor progression. <i>Cancer Research</i> , 2010 , 70, 7465-75	10.1	438
190	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
189	Hypoxia-inducible factor-2 (HIF-2) regulates hepatic erythropoietin in vivo. <i>Journal of Clinical Investigation</i> , 2007 , 117, 1068-77	15.9	419
188	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
187	Epithelial hypoxia-inducible factor-1 is protective in murine experimental colitis. <i>Journal of Clinical Investigation</i> , 2004 , 114, 1098-1106	15.9	409
186	Differential activation and antagonistic function of HIF-{alpha} isoforms in macrophages are essential for NO homeostasis. <i>Genes and Development</i> , 2010 , 24, 491-501	12.6	405

185	Loss of PTEN facilitates HIF-1-mediated gene expression. <i>Genes and Development</i> , 2000 , 14, 391-396	12.6	383
184	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
183	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
182	Deletion of vascular endothelial growth factor in myeloid cells accelerates tumorigenesis. <i>Nature</i> , 2008 , 456, 814-8	50.4	358
181	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
180	O2 regulates stem cells through Wnt/βcatenin signalling. <i>Nature Cell Biology</i> , 2010 , 12, 1007-13	23.4	356
179	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
178	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
177	The hypoxic response of tumors is dependent on their microenvironment. <i>Cancer Cell</i> , 2003 , 4, 133-46	24.3	345
176	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
175	Requirement for p38alpha in erythropoietin expression: a role for stress kinases in erythropoiesis. <i>Cell</i> , 2000 , 102, 221-31	56.2	319
174	Increased adipocyte O2 consumption triggers HIF-1β causing inflammation and insulin resistance in obesity. <i>Cell</i> , 2014 , 157, 1339-1352	56.2	304
173	VEGFA is necessary for chondrocyte survival during bone development. <i>Development (Cambridge)</i> , 2004 , 131, 2161-71	6.6	301
172	The hypoxia-inducible factor-1 alpha is a negative factor for tumor therapy. <i>Oncogene</i> , 2003 , 22, 3213-20	9.2	293
171	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
170	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
169	Epithelial hypoxia-inducible factor-1 is protective in murine experimental colitis. <i>Journal of Clinical Investigation</i> , 2004 , 114, 1098-106	15.9	285
168	TLR4-dependent hepcidin expression by myeloid cells in response to bacterial pathogens. <i>Blood</i> , 2006 , 107, 3727-32	2.2	273

167	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
166	Cellular transformation and malignancy induced by ras require c-jun. <i>Molecular and Cellular Biology</i> , 1996 , 16, 4504-11	4.8	258
165	Unstable kinetochore-microtubule capture and chromosomal instability following deletion of CENP-E. <i>Developmental Cell</i> , 2002 , 3, 351-65	10.2	257
164	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
163	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
162	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
161	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
160	S-2-hydroxyglutarate regulates CD8 T-lymphocyte fate. <i>Nature</i> , 2016 , 540, 236-241	50.4	223
159	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
158	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
157	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
156	An HIF-1/VEGF-A Axis in Cytotoxic T Cells Regulates Tumor Progression. <i>Cancer Cell</i> , 2017 , 32, 669-683.e54.3	54.3	207
155	HIF-1alpha controls extracellular matrix synthesis by epiphyseal chondrocytes. <i>Journal of Cell Science</i> , 2003 , 116, 1819-26	5.3	205
154	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
153	Hypoxia inducible factor (HIF) function in innate immunity and infection. <i>Journal of Molecular Medicine</i> , 2007 , 85, 1339-46	5.5	191
152	c-Jun is essential for organization of the epidermal leading edge. <i>Developmental Cell</i> , 2003 , 4, 865-77	10.2	186
151	Thymocyte selection is regulated by the helix-loop-helix inhibitor protein, Id3. <i>Immunity</i> , 2000 , 12, 17-26	32.3	174
150	The asparaginyl hydroxylase factor inhibiting HIF-1alpha is an essential regulator of metabolism. <i>Cell Metabolism</i> , 2010 , 11, 364-78	24.6	169

149	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
148	HIF-1/PI3K axis-induced active glycolysis plays an essential role in macrophage migratory capacity. <i>Nature Communications</i> , 2016 , 7, 11635	17.4	160
147	Hif-1alpha regulates differentiation of limb bud mesenchyme and joint development. <i>Journal of Cell Biology</i> , 2007 , 177, 451-64	7.3	158
146	Role of the hypoxia inducible factors HIF in iron metabolism. <i>Cell Cycle</i> , 2008 , 7, 28-32	4.7	150
145	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
144	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
143	Loss of skeletal muscle HIF-1alpha results in altered exercise endurance. <i>PLoS Biology</i> , 2004 , 2, e288	9.7	148
142	Loss of Cul1 results in early embryonic lethality and dysregulation of cyclin E. <i>Nature Genetics</i> , 1999 , 23, 245-8	36.3	148
141	Vascular endothelial growth factor enhances endothelial cell survival and tumor radioresistance. <i>Cancer Journal (Sudbury, Mass)</i> , 2002 , 8, 47-54	2.2	139
140	Epidermal sensing of oxygen is essential for systemic hypoxic response. <i>Cell</i> , 2008 , 133, 223-34	56.2	135
139	HIF-1 and hypoxic response: the plot thickens. <i>Current Opinion in Genetics and Development</i> , 2004 , 14, 81-5	4.9	132
138	VEGF modulates erythropoiesis through regulation of adult hepatic erythropoietin synthesis. <i>Nature Medicine</i> , 2006 , 12, 793-800	50.5	131
137	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
136	Astrocyte hypoxic response is essential for pathological but not developmental angiogenesis of the retina. <i>Glia</i> , 2010 , 58, 1177-85	9	125
135	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
134	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
133	Hypoxia-inducible factor-2 regulates vascular tumorigenesis in mice. <i>Oncogene</i> , 2008 , 27, 5354-8	9.2	124
132	HIF1 α s 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

131	Endothelial cell HIF-1 α and HIF-2 α differentially regulate metastatic success. <i>Cancer Cell</i> , 2012 , 21, 52-65	24.3	116
130	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
129	Constitutive Glycolytic Metabolism Supports CD8 T Cell Effector Memory Differentiation during Viral Infection. <i>Immunity</i> , 2016 , 45, 1024-1037	32.3	112
128	Role of HIF-1 α in skeletal development. <i>Annals of the New York Academy of Sciences</i> , 2010 , 1192, 322-6	6.5	112
127	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
126	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
125	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
124	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
123	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
122	Astrocyte-derived vascular endothelial growth factor stabilizes vessels in the developing retinal vasculature. <i>PLoS ONE</i> , 2010 , 5, e11863	3.7	104
121	Critical role of HIF-1 α in keratinocyte defense against bacterial infection. <i>Journal of Investigative Dermatology</i> , 2008 , 128, 1964-8	4.3	101
120	Hypoxia inducible factor 1 α 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
119	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
118	HIF-1 in cell cycle regulation, apoptosis, and tumor progression. <i>Antioxidants and Redox Signaling</i> , 2003 , 5, 467-73	8.4	93
117	Vhlh gene deletion induces Hif-1-mediated cell death in thymocytes. <i>Molecular and Cellular Biology</i> , 2004 , 24, 9038-47	4.8	91
116	Hypoxia-inducible factor 2 α regulates key neutrophil functions in humans, mice, and zebrafish. <i>Blood</i> , 2014 , 123, 366-76	2.2	90
115	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
114	Ischaemia-induced retinal neovascularisation and diabetic retinopathy in mice with conditional knockout of hypoxia-inducible factor-1 in retinal M \ddot{u} ller cells. <i>Diabetologia</i> , 2011 , 54, 1554-66	10.3	89

113	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
112	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
111	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
110	The host cell transcription factor hypoxia-inducible factor 1 is required for <i>Toxoplasma gondii</i> growth and survival at physiological oxygen levels. <i>Cellular Microbiology</i> , 2006 , 8, 339-52	3.9	84
109	HIF1 α Represses Cell Stress Pathways to Allow Proliferation of Hypoxic Fetal Cardiomyocytes. <i>Developmental Cell</i> , 2015 , 33, 507-21	10.2	82
108	The HIF-1/glia1 TIM-3 axis controls inflammation-associated brain damage under hypoxia. <i>Nature Communications</i> , 2015 , 6, 6340	17.4	81
107	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
106	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
105	pVHL function is essential for endothelial extracellular matrix deposition. <i>Molecular and Cellular Biology</i> , 2006 , 26, 2519-30	4.8	76
104	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
103	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
102	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
101	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
100	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
99	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
98	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
97	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
96	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

95	Behavioral assessment of c-fos mutant mice. <i>Brain Research</i> , 1994 , 651, 275-82	3.7	61
94	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
93	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
92	Regulated protein degradation controls PKA function and cell-type differentiation in Dictyostelium. <i>Genes and Development</i> , 2001 , 15, 1435-48	12.6	57
91	Nonrenal regulation of EPO synthesis. <i>Kidney International</i> , 2009 , 75, 682-8	9.9	56
90	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
89	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
88	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
87	Tumour oxygenation: implications for breast cancer prognosis. <i>Journal of Internal Medicine</i> , 2013 , 274, 105-12	10.8	50
86	Loss of fibroblast HIF-1 α accelerates tumorigenesis. <i>Cancer Research</i> , 2012 , 72, 3187-95	10.1	49
85	HIF-1alpha is necessary to support gluconeogenesis during liver regeneration. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 387, 789-94	3.4	48
84	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
83	Hypoxia determines survival outcomes of bacterial infection through HIF-1alpha dependent re-programming of leukocyte metabolism. <i>Science Immunology</i> , 2017 , 2,	28	45
82	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
81	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
80	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
79	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
78	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

77	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
76	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
75	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
74	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
73	A Sensor for Low Environmental Oxygen in the Mouse Main Olfactory Epithelium. <i>Neuron</i> , 2016 , 92, 1196-1203	10.3	37
72	A novel role for the hypoxia inducible transcription factor HIF-1 α : critical regulation of inflammatory cell function. <i>Cell Cycle</i> , 2003 , 2, 192-3	4.7	37
71	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
70	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
69	Disruption of HIF-1 α in hepatocytes impairs glucose metabolism in diet-induced obesity mice. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 415, 445-9	3.4	33
68	The role of Olfr78 in the breathing circuit of mice. <i>Nature</i> , 2018 , 561, E33-E40	50.4	32
67	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
66	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
65	ATP6V0C competes with von Hippel-Lindau protein in hypoxia-inducible factor 1 α (HIF-1 α) binding and mediates HIF-1 α expression by bafilomycin A1. <i>Molecular Pharmacology</i> , 2007 , 71, 942-8	4.3	30
64	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,	4.8	29
63	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
62	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
61	A new notch in the HIF belt: how hypoxia impacts differentiation. <i>Developmental Cell</i> , 2005 , 9, 575-6	10.2	29
60	HIF-1: an age-dependent regulator of lens cell proliferation 2008 , 49, 4961-70		28

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