

Patrick H Maxwell

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201
papers

30,233
citations

79
h-index

173
g-index

228
ext. papers

34,268
ext. citations

12.9
avg, IF

6.45
L-index

#	Paper	IF	Citations
201	The tumour suppressor protein VHL targets hypoxia-inducible factors for oxygen-dependent proteolysis. <i>Nature</i> , 1999 , 399, 271-5	50.4	3980
200	<i>C. elegans</i> EGL-9 and mammalian homologs define a family of dioxygenases that regulate HIF by prolyl hydroxylation. <i>Cell</i> , 2001 , 107, 43-54	56.2	2860
199	Role of HIF-1alpha in hypoxia-mediated apoptosis, cell proliferation and tumour angiogenesis. <i>Nature</i> , 1998 , 394, 485-90	50.4	2294
198	The expression and distribution of the hypoxia-inducible factors HIF-1alpha and HIF-2alpha in normal human tissues, cancers, and tumor-associated macrophages. <i>American Journal of Pathology</i> , 2000 , 157, 411-21	5.8	1007
197	Independent function of two destruction domains in hypoxia-inducible factor-alpha chains activated by prolyl hydroxylation. <i>EMBO Journal</i> , 2001 , 20, 5197-206	13	849
196	Hypoxia inducible factor-alpha binding and ubiquitylation by the von Hippel-Lindau tumor suppressor protein. <i>Journal of Biological Chemistry</i> , 2000 , 275, 25733-41	5.4	819
195	Contrasting properties of hypoxia-inducible factor 1 (HIF-1) and HIF-2 in von Hippel-Lindau-associated renal cell carcinoma. <i>Molecular and Cellular Biology</i> , 2005 , 25, 5675-86	4.8	754
194	Heterozygous deficiency of PHD2 restores tumor oxygenation and inhibits metastasis via endothelial normalization. <i>Cell</i> , 2009 , 136, 839-851	56.2	642
193	Structural basis for the recognition of hydroxyproline in HIF-1 alpha by pVHL. <i>Nature</i> , 2002 , 417, 975-8	50.4	550
192	Widespread hypoxia-inducible expression of HIF-2alpha in distinct cell populations of different organs. <i>FASEB Journal</i> , 2003 , 17, 271-3	0.9	549
191	Expression of hypoxia-inducible factor-1alpha and -2alpha in hypoxic and ischemic rat kidneys. <i>Journal of the American Society of Nephrology: JASN</i> , 2002 , 13, 1721-32	12.7	457
190	Renal cyst formation in Fh1-deficient mice is independent of the Hif/Phd pathway: roles for fumarate in KEAP1 succination and Nrf2 signaling. <i>Cancer Cell</i> , 2011 , 20, 524-37	24.3	426
189	HIF activation identifies early lesions in VHL kidneys: evidence for site-specific tumor suppressor function in the nephron. <i>Cancer Cell</i> , 2002 , 1, 459-68	24.3	410
188	Disruption of oxygen homeostasis underlies congenital Chuvash polycythemia. <i>Nature Genetics</i> , 2002 , 32, 614-21	36.3	407
187	Deficiency or inhibition of oxygen sensor Phd1 induces hypoxia tolerance by reprogramming basal metabolism. <i>Nature Genetics</i> , 2008 , 40, 170-80	36.3	383
186	SARS-CoV-2 B.1.617.2 Delta variant replication and immune evasion. <i>Nature</i> , 2021 , 599, 114-119	50.4	334
185	Activation of the HIF pathway in cancer. <i>Current Opinion in Genetics and Development</i> , 2001 , 11, 293-9	4.9	316

184	Fumarate is an epigenetic modifier that elicits epithelial-to-mesenchymal transition. <i>Nature</i> , 2016 , 537, 544-547	50.4	309
183	Contrasting effects on HIF-1alpha regulation by disease-causing pVHL mutations correlate with patterns of tumourigenesis in von Hippel-Lindau disease. <i>Human Molecular Genetics</i> , 2001 , 10, 1029-38	5.6	293
182	Identification of the renal erythropoietin-producing cells using transgenic mice. <i>Kidney International</i> , 1993 , 44, 1149-62	9.9	290
181	Venular basement membranes contain specific matrix protein low expression regions that act as exit points for emigrating neutrophils. <i>Journal of Experimental Medicine</i> , 2006 , 203, 1519-32	16.6	289
180	Single-cell transcriptomes from human kidneys reveal the cellular identity of renal tumors. <i>Science</i> , 2018 , 361, 594-599	33.3	282
179	A family with erythrocytosis establishes a role for prolyl hydroxylase domain protein 2 in oxygen homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 654-9	11.5	263
178	Identification of a mutation in complement factor H-related protein 5 in patients of Cypriot origin with glomerulonephritis. <i>Lancet, The</i> , 2010 , 376, 794-801	4.0	258
177	Oxygen sensors and angiogenesis. <i>Seminars in Cell and Developmental Biology</i> , 2002 , 13, 29-37	7.5	257
176	Snail activation disrupts tissue homeostasis and induces fibrosis in the adult kidney. <i>EMBO Journal</i> , 2006 , 25, 5603-13	13	254
175	Macrophage skewing by Phd2 haplodeficiency prevents ischaemia by inducing arteriogenesis. <i>Nature</i> , 2011 , 479, 122-6	50.4	237
174	Regulation of E-cadherin expression by VHL and hypoxia-inducible factor. <i>Cancer Research</i> , 2006 , 66, 3567-75	10.1	230
173	Identification of novel hypoxia dependent and independent target genes of the von Hippel-Lindau (VHL) tumour suppressor by mRNA differential expression profiling. <i>Oncogene</i> , 2000 , 19, 6297-305	9.2	229
172	Further pharmacological and genetic evidence for the efficacy of PlGF inhibition in cancer and eye disease. <i>Cell</i> , 2010 , 141, 178-90	56.2	218
171	Heterozygous deficiency of hypoxia-inducible factor-2alpha protects mice against pulmonary hypertension and right ventricular dysfunction during prolonged hypoxia. <i>Journal of Clinical Investigation</i> , 2003 , 111, 1519-27	15.9	218
170	Plasma hepcidin levels are elevated but responsive to erythropoietin therapy in renal disease. <i>Kidney International</i> , 2009 , 75, 976-81	9.9	213
169	Inhibition of hypoxia inducible factor hydroxylases protects against renal ischemia-reperfusion injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2008 , 19, 39-46	12.7	213
168	Genetic loci influencing kidney function and chronic kidney disease. <i>Nature Genetics</i> , 2010 , 42, 373-5	36.3	205
167	HIF-1: an oxygen and metal responsive transcription factor. <i>Cancer Biology and Therapy</i> , 2004 , 3, 29-35	4.6	193

166	Autosomal dominant polycystic kidney disease: the changing face of clinical management. <i>Lancet, The</i> , 2015 , 385, 1993-2002	40	179
165	Genome-wide association study identifies variants in TMPRSS6 associated with hemoglobin levels. <i>Nature Genetics</i> , 2009 , 41, 1170-2	36.3	179
164	Xenon preconditioning protects against renal ischemic-reperfusion injury via HIF-1alpha activation. <i>Journal of the American Society of Nephrology: JASN</i> , 2009 , 20, 713-20	12.7	176
163	HLA has strongest association with IgA nephropathy in genome-wide analysis. <i>Journal of the American Society of Nephrology: JASN</i> , 2010 , 21, 1791-7	12.7	173
162	HIF prolyl hydroxylase inhibitors for the treatment of renal anaemia and beyond. <i>Nature Reviews Nephrology</i> , 2016 , 12, 157-68	14.9	165
161	Tumor cell plasticity in Ewing sarcoma, an alternative circulatory system stimulated by hypoxia. <i>Cancer Research</i> , 2005 , 65, 11520-8	10.1	165
160	Abnormal sympathoadrenal development and systemic hypotension in PHD3 ^{-/-} mice. <i>Molecular and Cellular Biology</i> , 2008 , 28, 3386-400	4.8	163
159	Age-related immune response heterogeneity to SARS-CoV-2 vaccine BNT162b2. <i>Nature</i> , 2021 , 596, 417-424	5.24	163
158	Selection and analysis of a mutant cell line defective in the hypoxia-inducible factor-1 alpha-subunit (HIF-1alpha). Characterization of hif-1alpha-dependent and -independent hypoxia-inducible gene expression. <i>Journal of Biological Chemistry</i> , 1998 , 273, 8360-8	5.4	161
157	Genetic evidence for a tumor suppressor role of HIF-2alpha. <i>Cancer Cell</i> , 2005 , 8, 131-41	24.3	157
156	Expression of hypoxia-inducible factors in human renal cancer: relationship to angiogenesis and to the von Hippel-Lindau gene mutation. <i>Cancer Research</i> , 2002 , 62, 2957-61	10.1	155
155	Taking advantage of tumor cell adaptations to hypoxia for developing new tumor markers and treatment strategies. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2009 , 24 Suppl 1, 1-39	5.6	153
154	Mutation of von Hippel-Lindau tumour suppressor and human cardiopulmonary physiology. <i>PLoS Medicine</i> , 2006 , 3, e290	11.6	145
153	Loss of prolyl hydroxylase-1 protects against colitis through reduced epithelial cell apoptosis and increased barrier function. <i>Gastroenterology</i> , 2010 , 139, 2093-101	13.3	142
152	The HIF pathway in cancer. <i>Seminars in Cell and Developmental Biology</i> , 2005 , 16, 523-30	7.5	142
151	Targeted inactivation of fh1 causes proliferative renal cyst development and activation of the hypoxia pathway. <i>Cancer Cell</i> , 2007 , 11, 311-9	24.3	141
150	Erythropoietin administration in humans causes a marked and prolonged reduction in circulating hepcidin. <i>Haematologica</i> , 2010 , 95, 505-8	6.6	140
149	Rare inherited kidney diseases: challenges, opportunities, and perspectives. <i>Lancet, The</i> , 2014 , 383, 1844-59	4.59	135

148	Formation of primary cilia in the renal epithelium is regulated by the von Hippel-Lindau tumor suppressor protein. <i>Journal of the American Society of Nephrology: JASN</i> , 2006 , 17, 1801-6	12.7	134
147	Renal replacement therapy for autosomal dominant polycystic kidney disease (ADPKD) in Europe: prevalence and survival--an analysis of data from the ERA-EDTA Registry. <i>Nephrology Dialysis Transplantation</i> , 2014 , 29 Suppl 4, iv15-25	4.3	129
146	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
145	Hypoxia-inducible factor as a physiological regulator. <i>Experimental Physiology</i> , 2005 , 90, 791-7	2.4	125
144	Autosomal dominant erythrocytosis and pulmonary arterial hypertension associated with an activating HIF2 alpha mutation. <i>Blood</i> , 2008 , 112, 919-21	2.2	119
143	The pVHL-associated SCF ubiquitin ligase complex: molecular genetic analysis of elongin B and C, Rbx1 and HIF-1alpha in renal cell carcinoma. <i>Oncogene</i> , 2001 , 20, 5067-74	9.2	119
142	HIF-1: an oxygen response system with special relevance to the kidney. <i>Journal of the American Society of Nephrology: JASN</i> , 2003 , 14, 2712-22	12.7	109
141	Familial C3 glomerulopathy associated with CFHR5 mutations: clinical characteristics of 91 patients in 16 pedigrees. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2011 , 6, 1436-46	6.9	108
140	Persistent induction of HIF-1alpha and -2alpha in cardiomyocytes and stromal cells of ischemic myocardium. <i>FASEB Journal</i> , 2004 , 18, 1415-7	0.9	104
139	The von Hippel-Lindau tumor suppressor protein and Egl-9-Type proline hydroxylases regulate the large subunit of RNA polymerase II in response to oxidative stress. <i>Molecular and Cellular Biology</i> , 2008 , 28, 2701-17	4.8	99
138	HIF-1 reduces ischaemia-reperfusion injury in the heart by targeting the mitochondrial permeability transition pore. <i>Cardiovascular Research</i> , 2014 , 104, 24-36	9.9	98
137	Loss or silencing of the PHD1 prolyl hydroxylase protects livers of mice against ischemia/reperfusion injury. <i>Gastroenterology</i> , 2010 , 138, 1143-54.e1-2	13.3	98
136	Peptide blockade of HIFalpha degradation modulates cellular metabolism and angiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 10423-8	11.5	97
135	Altered TMPRSS2 usage by SARS-CoV-2 Omicron impacts tropism and fusogenicity.. <i>Nature</i> , 2022 ,	50.4	95
134	The hypoxia factor Hif-1 controls neural crest chemotaxis and epithelial to mesenchymal transition. <i>Journal of Cell Biology</i> , 2013 , 201, 759-76	7.3	94
133	Deletion of the von Hippel-Lindau gene in pancreatic beta cells impairs glucose homeostasis in mice. <i>Journal of Clinical Investigation</i> , 2009 , 119, 125-35	15.9	93
132	HIF-1 Promotes Glutamine-Mediated Redox Homeostasis and Glycogen-Dependent Bioenergetics to Support Postimplantation Bone Cell Survival. <i>Cell Metabolism</i> , 2016 , 23, 265-79	24.6	92
131	The use of dioxygen by HIF prolyl hydroxylase (PHD1). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002 , 12, 1547-50	2.9	91

130	Hypoxia-inducible factor-2alpha (HIF-2alpha) is involved in the apoptotic response to hypoglycemia but not to hypoxia. <i>Journal of Biological Chemistry</i> , 2001 , 276, 39192-6	5.4	87
129	HIF-1beta metabolically controls collagen synthesis and modification in chondrocytes. <i>Nature</i> , 2019 , 565, 511-515	50.4	86
128	HIF prolyl hydroxylases in the rat; organ distribution and changes in expression following hypoxia and coronary artery ligation. <i>Journal of Molecular and Cellular Cardiology</i> , 2006 , 41, 68-77	5.8	84
127	PTEN CAN FUNCTION AS A TUMOR SUPPRESSOR IN CLEAR CELL RENAL CARCINOMA. <i>Journal of Urology</i> , 2009 , 181, 35-36	2.5	83
126	Prolyl hydroxylase domain inhibitors: a route to HIF activation and neuroprotection. <i>Antioxidants and Redox Signaling</i> , 2010 , 12, 459-80	8.4	82
125	The hypoxia response pathway and cell function. <i>Diabetes, Obesity and Metabolism</i> , 2010 , 12 Suppl 2, 159-67	6.7	81
124	Gene array of VHL mutation and hypoxia shows novel hypoxia-induced genes and that cyclin D1 is a VHL target gene. <i>British Journal of Cancer</i> , 2004 , 90, 1235-43	8.7	79
123	Long-term reversal of chronic anemia using a hypoxia-regulated erythropoietin gene therapy. <i>Blood</i> , 2002 , 100, 2406-13	2.2	76
122	Sites of erythropoietin production. <i>Kidney International</i> , 1997 , 51, 393-401	9.9	75
121	Role of Gas6 in erythropoiesis and anemia in mice. <i>Journal of Clinical Investigation</i> , 2008 , 118, 583-96	15.9	74
120	HIF-1alpha and HIF-2alpha are differentially activated in distinct cell populations in retinal ischaemia. <i>PLoS ONE</i> , 2010 , 5, e111103	3.7	72
119	Cardiopulmonary function in two human disorders of the hypoxia-inducible factor (HIF) pathway: von Hippel-Lindau disease and HIF-2alpha gain-of-function mutation. <i>FASEB Journal</i> , 2011 , 25, 2001-11	0.9	72
118	Hypoxia-inducible transcription factors stabilization in the thick ascending limb protects against ischemic acute kidney injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2011 , 22, 2004-15	12.7	71
117	Analysis of data from the ERA-EDTA Registry indicates that conventional treatments for chronic kidney disease do not reduce the need for renal replacement therapy in autosomal dominant polycystic kidney disease. <i>Kidney International</i> , 2014 , 86, 1244-52	9.9	67
116	Renal tubular HIF-2beta expression requires VHL inactivation and causes fibrosis and cysts. <i>PLoS ONE</i> , 2012 , 7, e31034	3.7	67
115	Evidence for a lack of a direct transcriptional suppression of the iron regulatory peptide hepcidin by hypoxia-inducible factors. <i>PLoS ONE</i> , 2009 , 4, e7875	3.7	67
114	Regulation of renal epithelial tight junctions by the von Hippel-Lindau tumor suppressor gene involves occludin and claudin 1 and is independent of E-cadherin. <i>Molecular Biology of the Cell</i> , 2009 , 20, 1089-101	3.5	65
113	Human CHCHD4 mitochondrial proteins regulate cellular oxygen consumption rate and metabolism and provide a critical role in hypoxia signaling and tumor progression. <i>Journal of Clinical Investigation</i> , 2012 , 122, 600-11	15.9	65

112	Lack of endothelial cell survivin causes embryonic defects in angiogenesis, cardiogenesis, and neural tube closure. <i>Blood</i> , 2007 , 109, 4742-52	2.2	64
111	Hypoxia-induced, perinecrotic expression of endothelial Per-ARNT-Sim domain protein-1/hypoxia-inducible factor-2alpha correlates with tumor progression, vascularization, and focal macrophage infiltration in bladder cancer. <i>Clinical Cancer Research</i> , 2002 , 8, 471-80	12.9	63
110	The interstitial response to renal injury: fibroblast-like cells show phenotypic changes and have reduced potential for erythropoietin gene expression. <i>Kidney International</i> , 1997 , 52, 715-24	9.9	62
109	Effects of desferrioxamine on serum erythropoietin and ventilatory sensitivity to hypoxia in humans. <i>Journal of Applied Physiology</i> , 2000 , 89, 680-6	3.7	59
108	Neutrophils from patients with heterozygous germline mutations in the von Hippel Lindau protein (pVHL) display delayed apoptosis and enhanced bacterial phagocytosis. <i>Blood</i> , 2006 , 108, 3176-8	2.2	58
107	VHL inactivation induces HEF1 and Aurora kinase A. <i>Journal of the American Society of Nephrology: JASN</i> , 2010 , 21, 2041-6	12.7	56
106	Expression profiling in progressive stages of fumarate-hydratase deficiency: the contribution of metabolic changes to tumorigenesis. <i>Cancer Research</i> , 2010 , 70, 9153-65	10.1	54
105	Osteocytic oxygen sensing controls bone mass through epigenetic regulation of sclerostin. <i>Nature Communications</i> , 2018 , 9, 2557	17.4	54
104	Loss of PHD3 allows tumours to overcome hypoxic growth inhibition and sustain proliferation through EGFR. <i>Nature Communications</i> , 2014 , 5, 5582	17.4	49
103	Distinct novel mutations affecting the same base in the NIPA1 gene cause autosomal dominant hereditary spastic paraplegia in two Chinese families. <i>Human Mutation</i> , 2005 , 25, 135-41	4.7	48
102	Prolyl hydroxylase 2 inactivation enhances glycogen storage and promotes excessive neutrophilic responses. <i>Journal of Clinical Investigation</i> , 2017 , 127, 3407-3420	15.9	48
101	Hypoxia and upregulation of hypoxia-inducible factor 1{alpha} stimulate venous thrombus recanalization. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 2443-51	9.4	46
100	Early loss of Crebbp confers malignant stem cell properties on lymphoid progenitors. <i>Nature Cell Biology</i> , 2017 , 19, 1093-1104	23.4	43
99	Expression of hypoxia-inducible factors in normal human lung development. <i>Pediatric and Developmental Pathology</i> , 2008 , 11, 193-9	2.2	42
98	HIF and oxygen sensing; as important to life as the air we breathe?. <i>Annals of Medicine</i> , 2003 , 35, 183-90	1.5	41
97	Reactivation of Snail genes in renal fibrosis and carcinomas: a process of reversed embryogenesis?. <i>Cell Cycle</i> , 2007 , 6, 638-42	4.7	40
96	Single-dose BNT162b2 vaccine protects against asymptomatic SARS-CoV-2 infection. <i>ELife</i> , 2021 , 10,	8.9	40
95	The hypoxia-inducible factor renders cancer cells more sensitive to vitamin C-induced toxicity. <i>Journal of Biological Chemistry</i> , 2014 , 289, 3339-51	5.4	38

94	Cezanne regulates inflammatory responses to hypoxia in endothelial cells by targeting TRAF6 for deubiquitination. <i>Circulation Research</i> , 2013 , 112, 1583-91	15.7	38
93	HIF-1 β Relationship to Oxygen: Simple yet Sophisticated. <i>Cell Cycle</i> , 2004 , 3, 151-154	4.7	38
92	Oxygen regulated gene expression: erythropoietin as a model system. <i>Kidney International</i> , 1997 , 51, 514-26	9.9	37
91	The A20 gene protects kidneys from ischaemia/reperfusion injury by suppressing pro-inflammatory activation. <i>Journal of Molecular Medicine</i> , 2008 , 86, 1329-39	5.5	37
90	Mutations in mitochondrial DNA causing tubulointerstitial kidney disease. <i>PLoS Genetics</i> , 2017 , 13, e1006620	6.20	35
89	The HIF pathway: implications for patterns of gene expression in cancer. <i>Novartis Foundation Symposium</i> , 2001 , 240, 212-25; discussion 225-31		35
88	Family-based association study showing that immunoglobulin A nephropathy is associated with the polymorphisms 2093C and 2180T in the 3' untranslated region of the Megsin gene. <i>Journal of the American Society of Nephrology: JASN</i> , 2004 , 15, 1739-43	12.7	35
87	Evolution of VHL tumourigenesis in nerve root tissue. <i>Journal of Pathology</i> , 2006 , 210, 374-82	9.4	34
86	Dysregulation of the HIF pathway due to VHL mutation causing severe erythrocytosis and pulmonary arterial hypertension. <i>Blood</i> , 2011 , 117, 3699-701	2.2	33
85	Organ-specific collagen expression: implications for renal disease. <i>Nephron Experimental Nephrology</i> , 2006 , 102, e71-5		32
84	Epididymal cystadenomas and epithelial tumourlets: effects of VHL deficiency on the human epididymis. <i>Journal of Pathology</i> , 2006 , 210, 32-41	9.4	32
83	Effects of VHL deficiency on endolymphatic duct and sac. <i>Cancer Research</i> , 2005 , 65, 10847-53	10.1	32
82	Variations within oxygen-regulated gene expression in humans. <i>Journal of Applied Physiology</i> , 2009 , 106, 212-20	3.7	31
81	Endogenous erythropoietin protects neuroretinal function in ischemic retinopathy. <i>American Journal of Pathology</i> , 2012 , 180, 1726-39	5.8	30
80	Statin-induced expression of CD59 on vascular endothelium in hypoxia: a potential mechanism for the anti-inflammatory actions of statins in rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2006 , 8, R130	5.7	29
79	The role of HIF in immunity. <i>International Journal of Biochemistry and Cell Biology</i> , 2010 , 42, 486-94	5.6	28
78	Inadvertent postdialysis anticoagulation due to heparin line locks. <i>Hemodialysis International</i> , 2007 , 11, 430-4	1.7	28
77	A common pathway for genetic events leading to pheochromocytoma. <i>Cancer Cell</i> , 2005 , 8, 91-3	24.3	28

76	Developmentally arrested structures preceding cerebellar tumors in von Hippel-Lindau disease. <i>Modern Pathology</i> , 2011 , 24, 1023-30	9.8	27
75	Delivery of erythropoietin by encapsulated myoblasts in a genetic model of severe anemia. <i>Kidney International</i> , 2002 , 62, 1395-401	9.9	27
74	The prolyl hydroxylase enzymes that act as oxygen sensors regulating destruction of hypoxia-inducible factor alpha. <i>Advances in Enzyme Regulation</i> , 2004 , 44, 75-92		26
73	Hypoxia and oxidative stress in breast cancer. Hypoxia signalling pathways. <i>Breast Cancer Research</i> , 2001 , 3, 313-7	8.3	26
72	Renal cell carcinoma: translational aspects of metabolism and therapeutic consequences. <i>Kidney International</i> , 2013 , 84, 667-81	9.9	25
71	Erythropoietin gene expression in renal carcinoma is considerably more frequent than paraneoplastic polycythemia. <i>International Journal of Cancer</i> , 2007 , 121, 2434-42	7.5	25
70	Selection of mutant CHO cells with constitutive activation of the HIF system and inactivation of the von Hippel-Lindau tumor suppressor. <i>Journal of Biological Chemistry</i> , 2001 , 276, 44323-30	5.4	25
69	Hypoxia and B cells. <i>Experimental Cell Research</i> , 2017 , 356, 197-203	4.2	24
68	Hypoxia-induced nitric oxide production and tumour perfusion is inhibited by pegylated arginine deiminase (ADI-PEG20). <i>Scientific Reports</i> , 2016 , 6, 22950	4.9	24
67	Homozygous p.Ser267Phe in SLC10A1 is associated with a new type of hypercholanemia and implications for personalized medicine. <i>Scientific Reports</i> , 2017 , 7, 9214	4.9	23
66	Inactivation of the von Hippel-Lindau tumour suppressor gene induces Neuromedin U expression in renal cancer cells. <i>Molecular Cancer</i> , 2011 , 10, 89	42.1	20
65	A novel COL4A1 frameshift mutation in familial kidney disease: the importance of the C-terminal NC1 domain of type IV collagen. <i>Nephrology Dialysis Transplantation</i> , 2016 , 31, 1908-1914	4.3	19
64	Oxygen homeostasis and cancer: insights from a rare disease. <i>Clinical Medicine</i> , 2002 , 2, 356-62	1.9	19
63	Progression of epididymal maldevelopment into hamartoma-like neoplasia in VHL disease. <i>Neoplasia</i> , 2008 , 10, 1146-53	6.4	18
62	C3 glomerulonephritis and CFHR5 nephropathy. <i>Nephrology Dialysis Transplantation</i> , 2013 , 28, 282-8	4.3	17
61	Copy number profiling in von Hippel-Lindau disease renal cell carcinoma. <i>Genes Chromosomes and Cancer</i> , 2011 , 50, 479-88	5	17
60	Dimethylallylglycine stimulates the early stages of gastrointestinal repair processes through VEGF-dependent mechanisms. <i>Laboratory Investigation</i> , 2011 , 91, 1684-94	5.9	17
59	Von Hippel-Lindau protein in the RPE is essential for normal ocular growth and vascular development. <i>Development (Cambridge)</i> , 2012 , 139, 2340-50	6.6	17

58	Dynamic regulation of hypoxia-inducible factor-1 α activity is essential for normal B cell development. <i>Nature Immunology</i> , 2020 , 21, 1408-1420	19.1	16
57	HIF-1's relationship to oxygen: simple yet sophisticated. <i>Cell Cycle</i> , 2004 , 3, 156-9	4.7	16
56	Microchimeric fetal cells are recruited to maternal kidney following injury and activate collagen type I transcription. <i>Cells Tissues Organs</i> , 2011 , 193, 379-92	2.1	15
55	Evidence for hypoxia-induced neuronal-to-chromaffin metaplasia in neuroblastoma. <i>FASEB Journal</i> , 2003 , 17, 598-609	0.9	15
54	Tumor necrosis factor receptor 2-signaling in CD133-expressing cells in renal clear cell carcinoma. <i>Oncotarget</i> , 2016 , 7, 24111-24	3.3	15
53	Regulation of the HIF pathway: enzymatic hydroxylation of a conserved prolyl residue in hypoxia-inducible factor alpha subunits governs capture by the pVHL E3 ubiquitin ligase complex. <i>Advances in Enzyme Regulation</i> , 2002 , 42, 333-47		14
52	VHL-Mediated Regulation of CHCHD4 and Mitochondrial Function. <i>Frontiers in Oncology</i> , 2018 , 8, 388	5.3	14
51	Spatiotemporal transcriptomic atlas of mouse organogenesis using DNA nanoball-patterned arrays.. <i>Cell</i> , 2022 , 185, 1777-1792.e21	56.2	14
50	Novel insights into the role of the tumor suppressor von Hippel Lindau in cellular differentiation, ciliary biology, and cyst repression. <i>Journal of Molecular Medicine</i> , 2009 , 87, 871-7	5.5	13
49	Fumarylacetoacetate Hydrolase Knock-out Rabbit Model for Hereditary Tyrosinemia Type 1. <i>Journal of Biological Chemistry</i> , 2017 , 292, 4755-4763	5.4	12
48	A report of succinate dehydrogenase B deficiency associated with metastatic papillary renal cell carcinoma: successful treatment with the multi-targeted tyrosine kinase inhibitor sunitinib. <i>BMJ Case Reports</i> , 2009 , 2009,	0.9	12
47	Seeing the smoking gun: a sensitive and specific method to visualize loss of the tumour suppressor, fumarate hydratase, in human tissues. <i>Journal of Pathology</i> , 2011 , 225, 1-3	9.4	11
46	Association of MEGSIN 2093C-2180T haplotype at the 3' untranslated region with disease severity and progression of IgA nephropathy. <i>Nephrology Dialysis Transplantation</i> , 2006 , 21, 1570-4	4.3	11
45	Regulation of expression of the erythropoietin gene. <i>Current Opinion in Hematology</i> , 1998 , 5, 166-70	3.3	11
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