

Jonathan M Gleadle

List of Publications by Year in descending order

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78
papers

12,199
citations

126907

33
h-index

82547

72
g-index

128
all docs

128
docs citations

128
times ranked

13738
citing authors

#	ARTICLE	IF	CITATIONS
1	C. elegans EGL-9 and Mammalian Homologs Define a Family of Dioxygenases that Regulate HIF by Prolyl Hydroxylation. <i>Cell</i> , 2001, 107, 43-54.	28.9	3,293
2	Hypoxia-inducible factor-1 modulates gene expression in solid tumors and influences both angiogenesis and tumor growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 8104-8109.	7.1	1,210
3	Differential Function of the Prolyl Hydroxylases PHD1, PHD2, and PHD3 in the Regulation of Hypoxia-inducible Factor. <i>Journal of Biological Chemistry</i> , 2004, 279, 38458-38465.	3.4	918
4	Hypoxic enhancement of exosome release by breast cancer cells. <i>BMC Cancer</i> , 2012, 12, 421.	2.6	821
5	Hypoxia-inducible Factor (HIF) Asparagine Hydroxylase Is Identical to Factor Inhibiting HIF (FIH) and Is Related to the Cupin Structural Family. <i>Journal of Biological Chemistry</i> , 2002, 277, 26351-26355.	3.4	624
6	hsa-miR-210 Is Induced by Hypoxia and Is an Independent Prognostic Factor in Breast Cancer. <i>Clinical Cancer Research</i> , 2008, 14, 1340-1348.	7.0	617
7	Genome-wide Association of Hypoxia-inducible Factor (HIF)-1 α and HIF-2 α DNA Binding with Expression Profiling of Hypoxia-inducible Transcripts. <i>Journal of Biological Chemistry</i> , 2009, 284, 16767-16775.	3.4	516
8	Activation of Hypoxia-inducible Factor-1; Definition of Regulatory Domains within the α Subunit. <i>Journal of Biological Chemistry</i> , 1997, 272, 11205-11214.	3.4	450
9	Concordant Regulation of Gene Expression by Hypoxia and 2-Oxoglutarate-dependent Dioxygenase Inhibition. <i>Journal of Biological Chemistry</i> , 2006, 281, 15215-15226.	3.4	434
10	Regulation of Jumonji-domain-containing histone demethylases by hypoxia-inducible factor (HIF)-1 α . <i>Biochemical Journal</i> , 2008, 416, 387-394.	3.7	278
11	The Role of the Aryl Hydrocarbon Receptor Nuclear Translocator (ARNT) in Hypoxic Induction of Gene Expression. <i>Journal of Biological Chemistry</i> , 1996, 271, 15117-15123.	3.4	248
12	Control of the Hypoxic Response in <i>Drosophila melanogaster</i> by the Basic Helix-Loop-Helix PAS Protein Similar. <i>Molecular and Cellular Biology</i> , 2002, 22, 6842-6853.	2.3	222
13	Circulating microRNA expression is reduced in chronic kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2011, 26, 3794-3802.	0.7	188
14	Long-term perturbation of the peripheral immune system months after SARS-CoV-2 infection. <i>BMC Medicine</i> , 2022, 20, 26.	5.5	152
15	Induction of Hypoxia-Inducible Factor-1, Erythropoietin, Vascular Endothelial Growth Factor, and Glucose Transporter-1 by Hypoxia: Evidence Against a Regulatory Role for Src Kinase. <i>Blood</i> , 1997, 89, 503-509.	1.4	150
16	The VHL-dependent regulation of microRNAs in renal cancer. <i>BMC Medicine</i> , 2010, 8, 64.	5.5	150
17	Isoenzyme-specific regulation of genes involved in energy metabolism by hypoxia: similarities with the regulation of erythropoietin. <i>Biochemical Journal</i> , 1996, 313, 809-814.	3.7	142
18	Genetic Analysis of the Role of the Asparaginyl Hydroxylase Factor Inhibiting Hypoxia-inducible Factor (HIF) in Regulating HIF Transcriptional Target Genes. <i>Journal of Biological Chemistry</i> , 2004, 279, 42719-42725.	3.4	137

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19	Genetic Analysis of Pathways Regulated by the von Hippel-Lindau Tumor Suppressor in <i>Caenorhabditis elegans</i> . <i>PLoS Biology</i> , 2004, 2, e289.	5.6	137
20	MicroRNA-10b and breast cancer metastasis. <i>Nature</i> , 2008, 455, E8-E9.	27.8	134
21	Review: The role of microRNAs in kidney disease. <i>Nephrology</i> , 2010, 15, 599-608.	1.6	124
22	Hypoxia and the regulation of gene expression. <i>Trends in Molecular Medicine</i> , 1998, 4, 122-129.	2.6	119
23	The use of dioxygen by HIF prolyl hydroxylase (PHD1). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 1547-1550.	2.2	97
24	Diphenylene Iodonium Inhibits the Induction of Erythropoietin and Other Mammalian Genes by Hypoxia. Implications for the Mechanism of Oxygen Sensing. <i>FEBS Journal</i> , 1995, 234, 92-99.	0.2	86
25	Exosomes and the kidney: Blaming the messenger. <i>Nephrology</i> , 2013, 18, 1-10.	1.6	68
26	Role of the hypoxia sensing system, acidity and reproductive hormones in the variability of vascular endothelial growth factor induction in human breast carcinoma cell lines. , 1998, 75, 706-712.		54
27	A single-nucleotide polymorphism in the MicroRNA-146a gene is associated with diabetic nephropathy and sight-threatening diabetic retinopathy in Caucasian patients. <i>Acta Diabetologica</i> , 2016, 53, 643-650.	2.5	53
28	A platform for selective immuno-capture of cancer cells from urine. <i>Biosensors and Bioelectronics</i> , 2017, 96, 373-380.	10.1	48
29	In order for the light to shine so brightly, the darkness must be present—why do cancers fluoresce with 5-aminolaevulinic acid?. <i>British Journal of Cancer</i> , 2019, 121, 631-639.	6.4	47
30	Characterization of different isoforms of the HIF prolyl hydroxylase PHD1 generated by alternative initiation. <i>Biochemical Journal</i> , 2006, 397, 179-186.	3.7	45
31	Oxygen regulated gene expression: Erythropoietin as a model system. <i>Kidney International</i> , 1997, 51, 514-526.	5.2	42
32	Variations within oxygen-regulated gene expression in humans. <i>Journal of Applied Physiology</i> , 2009, 106, 212-220.	2.5	37
33	Oxygen-dependent hydroxylation by Factor Inhibiting HIF (FIH) regulates the TRPV3 ion channel. <i>Journal of Cell Science</i> , 2014, 128, 225-31.	2.0	36
34	Hypoxia represses microRNA biogenesis proteins in breast cancer cells. <i>BMC Cancer</i> , 2014, 14, 533.	2.6	35
35	Familial Nephropathy and Multiple Exostoses With Exostosin-1 (EXT1) Gene Mutation. <i>Journal of the American Society of Nephrology: JASN</i> , 2008, 19, 450-453.	6.1	33
36	Hypoxia and oxidative stress in breast cancer Hypoxia signalling pathways. <i>Breast Cancer Research</i> , 2001, 3, 313-7.	5.0	30

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37	Compensatory renal hypertrophy following nephrectomy: When and how?. <i>Nephrology</i> , 2019, 24, 1225-1232.	1.6	29
38	MicroRNAs: are they the missing link between hypoxia and pre-eclampsia?. <i>Hypertension in Pregnancy</i> , 2014, 33, 102-114.	1.1	26
39	Albuminuria is not associated with elevated urinary vesicle concentration but can confound nanoparticle tracking analysis. <i>Nephrology</i> , 2017, 22, 854-863.	1.6	21
40	Common Sequence Variation in the VEGFC Gene Is Associated with Diabetic Retinopathy and Diabetic Macular Edema. <i>Ophthalmology</i> , 2015, 122, 1828-1836.	5.2	20
41	Cancer cell detection device for the diagnosis of bladder cancer from urine. <i>Biosensors and Bioelectronics</i> , 2021, 171, 112699.	10.1	20
42	State of the Art Lecture: Regulation of the erythropoietin gene. <i>Nephrology Dialysis Transplantation</i> , 1995, 10, 18-27.	0.7	18
43	Social disparities in the prevalence of diabetes in Australia and in the development of end stage renal disease due to diabetes for Aboriginal and Torres Strait Islanders in Australia and Maori and Pacific Islanders in New Zealand. <i>BMC Public Health</i> , 2017, 17, 802.	2.9	18
44	The social determinants of health for people with type 1 diabetes that progress to end-stage renal disease. <i>Health Expectations</i> , 2015, 18, 2513-2521.	2.6	17
45	Review article: How cells sense oxygen: Lessons from and for the kidney. <i>Nephrology</i> , 2009, 14, 86-93.	1.6	16
46	Shedding Light on Bladder Cancer Diagnosis in Urine. <i>Diagnostics</i> , 2020, 10, 383.	2.6	15
47	Human cytomegalovirus encoded microRNAs: hitting targets. <i>Expert Review of Anti-Infective Therapy</i> , 2015, 13, 1469-1479.	4.4	14
48	Impaired Myocardial Oxygenation Response to Stress in Patients With Chronic Kidney Disease. <i>Journal of the American Heart Association</i> , 2015, 4, e002249.	3.7	14
49	Ankyrin Repeat Proteins of Orf Virus Influence the Cellular Hypoxia Response Pathway. <i>Journal of Virology</i> , 2017, 91, .	3.4	14
50	Prostate cancer detection: a systematic review of urinary biosensors. <i>Prostate Cancer and Prostatic Diseases</i> , 2022, 25, 39-46.	3.9	14
51	Myocardial Ischemia Assessment in Chronic Kidney Disease: Challenges and Pitfalls. <i>Frontiers in Cardiovascular Medicine</i> , 2014, 1, 13.	2.4	13
52	Mending a broken heart but breaking the kidney. <i>Nephrology</i> , 2016, 21, 812-820.	1.6	13
53	Biosensor device for the photo-specific detection of immuno-captured bladder cancer cells using hexaminolevulinate: An ex-vivo study. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 28, 238-247.	2.6	13
54	F-18 Fluorodeoxyglucose PET in the Diagnosis of Vascular Invasion in Renal Cell Carcinoma. <i>Clinical Nuclear Medicine</i> , 1999, 24, 819.	1.3	13

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55	Dipping your feet in the water: podocytes in urine. <i>Expert Review of Molecular Diagnostics</i> , 2014, 14, 423-437.	3.1	11
56	Nanoparticle Tracking Analysis of Urine to Detect Exosomes Can Be Confounded by Albuminuria. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 1784.1-1784.	6.1	11
57	MicroRNA-Related Genetic Variants Are Associated With Diabetic Retinopathy in Type 1 Diabetes Mellitus. , 2019, 60, 3937.		11
58	Plasma enabled devices for the selective capture and photodynamic identification of prostate cancer cells. <i>Biointerphases</i> , 2020, 15, 031002.	1.6	10
59	Remote ischaemic preconditioning: closer to the mechanism?. <i>F1000Research</i> , 2016, 5, 2846.	1.6	10
60	Myocardial perfusion is impaired in asymptomatic renal and liver transplant recipients: a cardiovascular magnetic resonance study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 56.	3.3	9
61	Probing Hexaminolevulinate Mediated PpIX Fluorescence in Cancer Cell Suspensions in the Presence of Chemical Adjuvants. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2963.	4.1	8
62	“œœ kind of gave up on it after a while, became too hard, closed my eyes, didn't want to know about it” adults with type 1 diabetes mellitus describe defeat in the context of low social support. <i>Health Expectations</i> , 2019, 22, 254-261.	2.6	7
63	Selective Microfluidic Capture and Detection of Prostate Cancer Cells from Urine without Digital Rectal Examination. <i>Cancers</i> , 2021, 13, 5544.	3.7	7
64	Arginine Metabolites as Biomarkers of Myocardial Ischaemia, Assessed with Cardiac Magnetic Resonance Imaging in Chronic Kidney Disease. <i>Biomolecules</i> , 2021, 11, 416.	4.0	6
65	Lack of appropriate investigations in making a diagnosis of syndrome of inappropriate antidiuretic hormone. <i>Internal Medicine Journal</i> , 2017, 47, 336-338.	0.8	4
66	Improving hexaminolevulinate enabled cancer cell detection in liquid biopsy immunosensors. <i>Scientific Reports</i> , 2021, 11, 7283.	3.3	4
67	A thrilling case of hiatus hernia.. <i>Postgraduate Medical Journal</i> , 1989, 65, 832-834.	1.8	3
68	Hypoxia-inducible factors: where, when and why?. <i>Kidney International</i> , 2006, 69, 15-17.	5.2	3
69	Predicting Cardiac Prognosis in Asymptomatic Chronic Kidney Disease Patients. <i>JACC: Cardiovascular Imaging</i> , 2018, 11, 286-287.	5.3	2
70	Mitochondrial haplogroups are not associated with diabetic retinopathy in a large Australian and British Caucasian sample. <i>Scientific Reports</i> , 2019, 9, 612.	3.3	2
71	Circulating and Urinary miR-210 and miR-16 Increase during Cardiac Surgery Using Cardiopulmonary Bypass - A Pilot Study. <i>Journal of Extra-Corporeal Technology</i> , 2018, 50, 19-29.	0.4	2
72	Pulmonary, cardiac and renal syndrome. <i>Nephrology Dialysis Transplantation</i> , 2000, 15, 731-732.	0.7	1

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73	Sirolimus vs azathioprine. Lancet, The, 2000, 356, 1768.	13.7	1
74	Myocardial perfusion is impaired in asymptomatic patients post renal transplantation. Journal of Cardiovascular Magnetic Resonance, 2013, 15, E68.	3.3	1
75	Reduced myocardial perfusion in post renal transplant population is not associated with aortic stiffness. Journal of Cardiovascular Magnetic Resonance, 2014, 16, P226.	3.3	0
76	Myocardial perfusion is impaired in renal transplant and liver transplant patients. Journal of Cardiovascular Magnetic Resonance, 2015, 17, O10.	3.3	0
77	Myocardial oxygenation is impaired in advanced chronic kidney disease and renal transplant patients. Journal of Cardiovascular Magnetic Resonance, 2015, 17, .	3.3	0
78	Early intervention in acute renal failure: Assessing fluid status is important. BMJ: British Medical Journal, 2006, 333, 551.1.	2.3	0