John R Griffiths

List of Publications by Year
in descending order

41 papers	1,846 citations	430874 18 h-index	414414 32 g-index
46 all docs	46 docs citations	46 times ranked	3036 citing authors

#	Article	IF	Citations
1	The androgen receptor fuels prostate cancer by regulating central metabolism and biosynthesis. EMBO Journal, 2011, 30, 2719-2733.	7.8	530
2	Measurement of the extracellular pH of solid tumours in mice by magnetic resonance spectroscopy: a comparison of exogenous19F and31P probes. NMR in Biomedicine, 1999, 12, 495-504.	2.8	206
3	Carbonic anhydrase IX is a pH-stat that sets an acidic tumour extracellular pH in vivo. British Journal of Cancer, 2018, 119, 622-630.	6.4	93
4	Dysregulation of hypoxia pathways in fumarate hydratase-deficient cells is independent of defective mitochondrial metabolism. Human Molecular Genetics, 2010, 19, 3844-3851.	2.9	91
5	Metabolic changes detected by in vivo magnetic resonance studies of HEPA-1 wild-type tumors and tumors deficient in hypoxia-inducible factor-1beta (HIF-1beta): evidence of an anabolic role for the HIF-1 pathway. Cancer Research, 2002, 62, 688-95.	0.9	86
6	Tumour response to hypercapnia and hyperoxia monitored by FLOOD magnetic resonance imaging. NMR in Biomedicine, 1999, 12, 98-106.	2.8	78
7	Comparison of in vivo1H MRS of human brain tumours with1H HR-MAS spectroscopy of intact biopsy samples in vitro. Magnetic Resonance Materials in Physics, Biology, and Medicine, 1999, 8, 121-128.	2.0	77
8	Causes and consequences of acidic pH in tumors: a magnetic resonance study. Advances in Enzyme Regulation, 1999, 39, 13-30.	2.6	74
9	Pattern recognition analysis of1H NMR spectra from perchloric acid extracts of human brain tumor biopsies. Magnetic Resonance in Medicine, 1998, 39, 869-877.	3.0	70
10	The altered metabolism of tumors: HIF-1 and its role in the Warburg effect. Advances in Enzyme Regulation, 2010, 50, 44-55.	2.6	69
11	How and Why Are Cancers Acidic? Carbonic Anhydrase IX and the Homeostatic Control of Tumour Extracellular pH. Cancers, 2020, 12, 1616.	3.7	69
12	Detection of glycogen in a glycogen storage disease by 13 C nuclear magnetic resonance. FEBS Letters, 1982, 150, 489-493.	2.8	48
13	Opportunities for studying cancer by metabolomics: preliminary observations on tumors deficient in hypoxia-inducible factor 1. Advances in Enzyme Regulation, 2003, 43, 67-76.	2.6	47
14	HIF-1-Independent Mechanisms Regulating Metabolic Adaptation in Hypoxic Cancer Cells. Cells, 2021, 10, 2371.	4.1	41
15	Modification of Tumour Perfusion and Oxygenation Monitored by Gradient Recalled Echo MRI and31P MRS. , 1996, 9, 208-216.		27
16	In vivo hyperpolarized129Xe NMR spectroscopy in tumors. Magnetic Resonance in Medicine, 2001, 46, 586-591.	3.0	27
17	Adaptation to HIF-1 deficiency by upregulation of the AMP/ATP ratio and phosphofructokinase activation in hepatomas. BMC Cancer, 2011, 11, 198.	2.6	23
18	Potential artefacts from overlying tissues in31p NMR spectra of subcutaneously implanted rat tumours. NMR in Biomedicine, 1989, 1, 165-170.	2.8	19

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19	A comparative investigation into the effect of chronic alcohol feeding on the myocardium of normotensive and hypertensive rats: An electrophoretic and biochemical study. Electrophoresis, 2000, 21, 2454-2462.	2.4	19
20	Classification of brain tumours from MR spectra: the INTERPRET collaboration and its outcomes. NMR in Biomedicine, 2015, 28, 1772-1787.	2.8	19
21	Heterotropic Interactions of Ligands with Phosphorylase b. FEBS Journal, 1976, 61, 243-251.	0.2	18
22	Conformational Changes in Glycogen Phosphorylase Studied with a Spin-Label Probe. FEBS Journal, 1976, 61, 237-242.	0.2	17
23	Nonâ€invasive MRS in new anticancer drug development. NMR in Biomedicine, 1992, 5, 270-272.	2.8	15
24	Assessment of induced rat mammary tumour response to chemotherapy using the apparent diffusion coefficient of tissue water as determined by diffusion-weighted1H-NMR spectroscopy in vivo. Magnetic Resonance Materials in Physics, Biology, and Medicine, 1999, 8, 20-26.	2.0	15
25	Metabolic profiling of hypoxia-inducible factor-1Î²-deficient and wild type Hepa-1 cells: effects of hypoxia measured by 1H magnetic resonance spectroscopy. Metabolomics, 2006, 1, 293-303.	3.0	15
26	Pre-treatment energy status of primary rat tumours as the best predictor of response to 5-fluorouracil chemotherapy: a magnetic resonance spectroscopy study in vivo. Cancer Chemotherapy and Pharmacology, 1998, 42, 201-209.	2.3	14
27	Effect of Vasoactive Drugs on Tumour Blood Flow as Determined by²H Nuclear Magnetic Resonance Spectroscopy. Acta OncolÃ³gica, 1995, 34, 367-371.	1.8	10
28	Rapid formation of spermine in skeletal muscle during tetanic stimulation. FEBS Letters, 1981, 123, 186-188.	2.8	9
29	Conformational Changes Associated with Transient Activation of Phosphorylase in Glycogen Particles. Studies Using Activity, Electron-Spin-Resonance and Phosphorus-Nuclear-Magnetic-Resonance Measurements. FEBS Journal, 1976, 63, 23-31.	0.2	6
30	A More General Definition of Km. Biochemical Society Transactions, 1978, 6, 258-260.	3.4	6
31	NMR in biomedicine at 20. NMR in Biomedicine, 2008, 21, 1-1.	2.8	4
32	Regulation in vivo of Phosphorylase b in Skeletal Muscle of Phosphorylase Kinase-Deficient Mice. Biochemical Society Transactions, 1978, 6, 164-166.	3.4	2
33	Tumour response to hypercapnia and hyperoxia monitored by FLOOD magnetic resonance imaging. NMR in Biomedicine, 1999, 12, 98-106.	2.8	1
34	MRS Ex Vivo : A Short Historical Review. NMR in Biomedicine, 2022, , .	2.8	1
35	Inosine-induced vasoconstriction and glucose secretion in the perfused rat liver. Biochemical Society Transactions, 1984, 12, 1126-1127.	3.4	0
36	Editorial changes. NMR in Biomedicine, 1992, 5, i-i.	2.8	0

#	Article	IF	Citations
37	Illustrious Special Issues and Reviews Editor Chris Boesch hands over to Klaas Nicolay. NMR in Biomedicine, 2014, 27, 113-115.	2.8	0
38	NMR in Biomedicine 30th Anniversary Volume Message from the Editor-in-Chief. NMR in Biomedicine, 2018, 31, e3953.	2.8	0
39	NMR in biomedicine will publish papers on the study body fluids by NMR methods. NMR in Biomedicine, 2019, 32, e4071.	2.8	0
40	Membership of the Editorial Advisory Board. NMR in Biomedicine, 2019, 32, e4047.	2.8	0
41	Assessing the superposition of the intramuscular determinants of VO ₂ kinetics during rampâ€incremental and rampâ€decremental exercise in humans. FASEB Journal, 2006, 20, A411.	0.5	0