

# Alan McIntyre

## 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.

39  
papers

1,973  
citations

24  
h-index

40  
g-index

40  
ext. papers

2,274  
ext. citations

7.7  
avg, IF

4.55  
L-index

#	Paper	IF	Citations
39	Endothelial Cell RNA-Seq Data: Differential Expression and Functional Enrichment Analyses to Study Phenotypic Switching.. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2441, 369-426	1.4	0
38	Targeting hypoxia regulated sodium driven bicarbonate transporters reduces triple negative breast cancer metastasis.. <i>Neoplasia</i> , <b>2022</b> , 25, 41-52	6.4	3
37	Intratumour heterogeneity in microRNAs expression regulates glioblastoma metabolism. <i>Scientific Reports</i> , <b>2021</b> , 11, 15908	4.9	3
36	Doxycycline Attenuates Cancer Cell Growth by Suppressing NLRP3-Mediated Inflammation. <i>Pharmaceuticals</i> , <b>2021</b> , 14,	5.2	3
35	Regulation of cellular sterol homeostasis by the oxygen responsive noncoding RNA lincNORS. <i>Nature Communications</i> , <b>2020</b> , 11, 4755	17.4	7
34	Therapeutic Potential of Pharmacological Targeting NLRP3 Inflammasome Complex in Cancer. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 607881	8.4	7
33	Controlling distinct signaling states in cultured cancer cells provides a new platform for drug discovery. <i>FASEB Journal</i> , <b>2019</b> , 33, 9235-9249	0.9	3
32	Hypoxia-induced switch in SNAT2/SLC38A2 regulation generates endocrine resistance in breast cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 12452-12461	11.5	53
31	MicroRNA Post-transcriptional Regulation of the NLRP3 Inflammasome in Immunopathologies. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 451	5.6	34
30	Adaptation to HIF1 Deletion in Hypoxic Cancer Cells by Upregulation of GLUT14 and Creatine Metabolism. <i>Molecular Cancer Research</i> , <b>2019</b> , 17, 1531-1544	6.6	14
29	IGF1R signalling in testicular germ cell tumour cells impacts on cell survival and acquired cisplatin resistance. <i>Journal of Pathology</i> , <b>2018</b> , 244, 242-253	9.4	20
28	Altered glutamine metabolism in breast cancer; subtype dependencies and alternative adaptations. <i>Histopathology</i> , <b>2018</b> , 72, 183-190	7.3	33
27	MicroRNA Regulation of Glycolytic Metabolism in Glioblastoma. <i>BioMed Research International</i> , <b>2017</b> , 2017, 9157370	3	14
26	The Role of pH Regulation in Cancer Progression. <i>Recent Results in Cancer Research</i> , <b>2016</b> , 207, 93-134	1.5	10
25	Methods: Using Three-Dimensional Culture (Spheroids) as an In Vitro Model of Tumour Hypoxia. <i>Advances in Experimental Medicine and Biology</i> , <b>2016</b> , 899, 167-96	3.6	32
24	The tumour hypoxia induced non-coding transcriptome. <i>Molecular Aspects of Medicine</i> , <b>2016</b> , 47-48, 35-53	36.7	76
23	The Role of Oxygen in Avascular Tumor Growth. <i>PLoS ONE</i> , <b>2016</b> , 11, e0153692	3.7	35

22	Genomic alterations underlie a pan-cancer metabolic shift associated with tumour hypoxia. <i>Genome Biology</i> , <b>2016</b> , 17, 140	18.3	46
21	Disrupting Hypoxia-Induced Bicarbonate Transport Acidifies Tumor Cells and Suppresses Tumor Growth. <i>Cancer Research</i> , <b>2016</b> , 76, 3744-55	10.1	63
20	Metabolic and hypoxic adaptation to anti-angiogenic therapy: a target for induced essentiality. <i>EMBO Molecular Medicine</i> , <b>2015</b> , 7, 368-79	12	119
19	Carbonic Anhydrase Activity Monitored In Vivo by Hyperpolarized <sup>13</sup> C-Magnetic Resonance Spectroscopy Demonstrates Its Importance for pH Regulation in Tumors. <i>Cancer Research</i> , <b>2015</b> , 75, 4109-18	10.1	35
18	The pH low insertion peptide pHLIP Variant 3 as a novel marker of acidic malignant lesions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 9710-5	11.5	40
17	Carbonic anhydrase IX induction defines a heterogeneous cancer cell response to hypoxia and mediates stem cell-like properties and sensitivity to HDAC inhibition. <i>Oncotarget</i> , <b>2015</b> , 6, 19413-27	3.3	35
16	Fatty acid-binding protein 4, a point of convergence for angiogenic and metabolic signaling pathways in endothelial cells. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 23168-23176	5.4	63
15	Proline-hydroxylated hypoxia-inducible factor 1 [HIF-1] upregulation in human tumours. <i>PLoS ONE</i> , <b>2014</b> , 9, e88955	3.7	33
14	Glucose utilization via glycogen phosphorylase sustains proliferation and prevents premature senescence in cancer cells. <i>Cell Metabolism</i> , <b>2012</b> , 16, 751-64	24.6	241
13	Targeting Carbonic Anhydrases with Fluorescent BODIPY-Labelled Sulfonamides. <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 2898-2907	2.3	7
12	Carbonic anhydrase IX promotes tumor growth and necrosis in vivo and inhibition enhances anti-VEGF therapy. <i>Clinical Cancer Research</i> , <b>2012</b> , 18, 3100-11	12.9	195
11	Antitumor activity of sustained N-myc reduction in rhabdomyosarcomas and transcriptional block by antigene therapy. <i>Clinical Cancer Research</i> , <b>2012</b> , 18, 796-807	12.9	59
10	Specific inhibition of carbonic anhydrase IX activity enhances the in vivo therapeutic effect of tumor irradiation. <i>Radiotherapy and Oncology</i> , <b>2011</b> , 99, 424-31	5.3	144
9	Minimum regions of genomic imbalance in stage I testicular embryonal carcinoma and association of 22q loss with relapse. <i>Genes Chromosomes and Cancer</i> , <b>2011</b> , 50, 186-95	5	21
8	The association of CCND1 overexpression and cisplatin resistance in testicular germ cell tumors and other cancers. <i>American Journal of Pathology</i> , <b>2010</b> , 176, 2607-15	5.8	82
7	Genes, chromosomes and the development of testicular germ cell tumors of adolescents and adults. <i>Genes Chromosomes and Cancer</i> , <b>2008</b> , 47, 547-57	5	39
6	Genomic and expression profiling of human spermatocytic seminomas: primary spermatocyte as tumorigenic precursor and DMRT1 as candidate chromosome 9 gene. <i>Cancer Research</i> , <b>2006</b> , 66, 290-302	10.1	169
5	Activating mutations and/or expression levels of tyrosine kinase receptors GRB7, RAS, and BRAF in testicular germ cell tumors. <i>Neoplasia</i> , <b>2005</b> , 7, 1047-52	6.4	55

4	Amplification and overexpression of the KIT gene is associated with progression in the seminoma subtype of testicular germ cell tumors of adolescents and adults. <i>Cancer Research</i> , <b>2005</b> , 65, 8085-9	10.1	130
3	Association between large-scale genomic homozygosity without chromosomal loss and nonseminomatous germ cell tumor development. <i>Cancer Research</i> , <b>2005</b> , 65, 9137-41	10.1	12
2	Defining minimum genomic regions of imbalance involved in testicular germ cell tumors of adolescents and adults through genome wide microarray analysis of cDNA clones. <i>Oncogene</i> , <b>2004</b> , 23, 9142-7	9.2	35
1	Hypoxia-induced switch in SNAT2/SLC38A2 regulation generates endocrine-resistance in breast cancer		2