

Daniel A Tennant

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

5,594
citations

201674

27
h-index

123424

61
g-index

67
all docs

67
docs citations

67
times ranked

11165
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting metabolic transformation for cancer therapy. <i>Nature Reviews Cancer</i> , 2010, 10, 267-277.	28.4	969
2	Hypoxia and metabolic adaptation of cancer cells. <i>Oncogenesis</i> , 2016, 5, e190-e190.	4.9	572
3	A roadmap for interpreting ¹³ C metabolite labeling patterns from cells. <i>Current Opinion in Biotechnology</i> , 2015, 34, 189-201.	6.6	513
4	Cell-Permeating α -Ketoglutarate Derivatives Alleviate Pseudohypoxia in Succinate Dehydrogenase-Deficient Cells. <i>Molecular and Cellular Biology</i> , 2007, 27, 3282-3289.	2.3	339
5	Glucose Utilization via Glycogen Phosphorylase Sustains Proliferation and Prevents Premature Senescence in Cancer Cells. <i>Cell Metabolism</i> , 2012, 16, 751-764.	16.2	320
6	Nicotinamide Riboside Augments the Aged Human Skeletal Muscle NAD ⁺ Metabolome and Induces Transcriptomic and Anti-inflammatory Signatures. <i>Cell Reports</i> , 2019, 28, 1717-1728.e6.	6.4	253
7	New aspects of amino acid metabolism in cancer. <i>British Journal of Cancer</i> , 2020, 122, 150-156.	6.4	250
8	Fumarate Is Cardioprotective via Activation of the Nrf2 Antioxidant Pathway. <i>Cell Metabolism</i> , 2012, 15, 361-371.	16.2	231
9	Metabolic transformation in cancer. <i>Carcinogenesis</i> , 2009, 30, 1269-1280.	2.8	206
10	Loss of succinate dehydrogenase activity results in dependency on pyruvate carboxylation for cellular anabolism. <i>Nature Communications</i> , 2015, 6, 8784.	12.8	169
11	Hypoxia inducible factors in liver disease and hepatocellular carcinoma: Current understanding and future directions. <i>Journal of Hepatology</i> , 2014, 61, 1397-1406.	3.7	152
12	Metabolic Profiling of Hypoxic Cells Revealed a Catabolic Signature Required for Cell Survival. <i>PLoS ONE</i> , 2011, 6, e24411.	2.5	150
13	Reactivating HIF prolyl hydroxylases under hypoxia results in metabolic catastrophe and cell death. <i>Oncogene</i> , 2009, 28, 4009-4021.	5.9	108
14	Metabolic plasticity in CLL: adaptation to the hypoxic niche. <i>Leukemia</i> , 2016, 30, 65-73.	7.2	85
15	Development and Validation of a Combined Hypoxia and Immune Prognostic Classifier for Head and Neck Cancer. <i>Clinical Cancer Research</i> , 2019, 25, 5315-5328.	7.0	81
16	A Role for Cytosolic Fumarate Hydratase in Urea Cycle Metabolism and Renal Neoplasia. <i>Cell Reports</i> , 2013, 3, 1440-1448.	6.4	78
17	Isocitrate dehydrogenase (IDH), succinate dehydrogenase (SDH), fumarate hydratase (FH): three players for one phenotype in cancer?. <i>Biochemical Society Transactions</i> , 2016, 44, 1111-1116.	3.4	65
18	Oncogenic IDH1 Mutations Promote Enhanced Proline Synthesis through PYCR1 to Support the Maintenance of Mitochondrial Redox Homeostasis. <i>Cell Reports</i> , 2018, 22, 3107-3114.	6.4	64

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19	HIF prolyl hydroxylase-3 mediates alpha-ketoglutarate-induced apoptosis and tumor suppression. <i>Journal of Molecular Medicine</i> , 2010, 88, 839-849.	3.9	63
20	IDH1 Mutations in Gliomas: When an Enzyme Loses Its Grip. <i>Cancer Cell</i> , 2010, 17, 7-9.	16.8	63
21	Metabolomic Analysis of Perfusate During Hypothermic Machine Perfusion of Human Cadaveric Kidneys. <i>Transplantation</i> , 2015, 99, 754-759.	1.0	48
22	The Effects of Oxygenation on Ex Vivo Kidneys Undergoing Hypothermic Machine Perfusion. <i>Transplantation</i> , 2019, 103, 314-322.	1.0	48
23	Metabolic implications of hypoxia and pseudohypoxia in pheochromocytoma and paraganglioma. <i>Cell and Tissue Research</i> , 2018, 372, 367-378.	2.9	46
24	Systemic and adipocyte transcriptional and metabolic dysregulation in idiopathic intracranial hypertension. <i>JCI Insight</i> , 2021, 6, .	5.0	45
25	Intracellular sodium elevation reprograms cardiac metabolism. <i>Nature Communications</i> , 2020, 11, 4337.	12.8	44
26	Citrullination of histone H3 drives IL-6 production by bone marrow mesenchymal stem cells in MGUS and multiple myeloma. <i>Leukemia</i> , 2017, 31, 373-381.	7.2	42
27	Proline metabolism and redox; maintaining a balance in health and disease. <i>Amino Acids</i> , 2021, 53, 1779-1788.	2.7	36
28	Brief O2 uploading during continuous hypothermic machine perfusion is simple yet effective oxygenation method to improve initial kidney function in a porcine autotransplant model. <i>American Journal of Transplantation</i> , 2020, 20, 2030-2043.	4.7	32
29	Verteporfin selectively kills hypoxic glioma cells through iron-binding and increased production of reactive oxygen species. <i>Scientific Reports</i> , 2018, 8, 14358.	3.3	29
30	Inflammation causes remodeling of mitochondrial cytochrome <i>c</i> oxidase mediated by the bifunctional gene <i>C15orf48</i> . <i>Science Advances</i> , 2021, 7, eabl5182.	10.3	29
31	The role of HIFs in ischemia-reperfusion injury. <i>Hypoxia (Auckland, N Z)</i> , 2014, 2, 107.	1.9	26
32	Loss of SDHB Promotes Dysregulated Iron Homeostasis, Oxidative Stress, and Sensitivity to Ascorbate. <i>Cancer Research</i> , 2021, 81, 3480-3494.	0.9	26
33	Metabolic differences between cold stored and machine perfused porcine kidneys: A 1 H NMR based study. <i>Cryobiology</i> , 2017, 74, 115-120.	0.7	25
34	Tissue metabolite profiles for the characterisation of paediatric cerebellar tumours. <i>Scientific Reports</i> , 2018, 8, 11992.	3.3	24
35	Combined Analysis of NMR and MS Spectra (CANMS). <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4140-4144.	13.8	23
36	Proline synthesis through PYCR1 is required to support cancer cell proliferation and survival in oxygen-limiting conditions. <i>Cell Reports</i> , 2022, 38, 110320.	6.4	23

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37	PK-M2 Makes Cells Sweeter on HIF1. <i>Cell</i> , 2011, 145, 647-649.	28.9	22
38	DiME: A Scalable Disease Module Identification Algorithm with Application to Glioma Progression. <i>PLoS ONE</i> , 2014, 9, e86693.	2.5	22
39	Cooperative Co-evolutionary Module Identification with Application to Cancer Disease Module Discovery. <i>IEEE Transactions on Evolutionary Computation</i> , 2016, , 1-1.	10.0	21
40	¹³ C glucose labelling studies using 2D NMR are a useful tool for determining ex vivo whole organ metabolism during hypothermic machine perfusion of kidneys. <i>Transplantation Research</i> , 2016, 5, 7.	1.5	20
41	Alterations in bone marrow metabolism are an early and consistent feature during the development of MGUS and multiple myeloma. <i>Blood Cancer Journal</i> , 2015, 5, e359-e359.	6.2	19
42	A human pluripotent stem cell model for the analysis of metabolic dysfunction in hepatic steatosis. <i>IScience</i> , 2021, 24, 101931.	4.1	19
43	Mitochondrial metabolic remodeling in response to genetic and environmental perturbations. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2016, 8, 272-285.	6.6	17
44	Succinate dehydrogenase deficiency in a chromaffin cell model retains metabolic fitness through the maintenance of mitochondrial NADH oxidoreductase function. <i>FASEB Journal</i> , 2020, 34, 303-315.	0.5	17
45	Metabolic tracing reveals novel adaptations to skeletal muscle cell energy production pathways in response to NAD ⁺ depletion. <i>Wellcome Open Research</i> , 2018, 3, 147.	1.8	17
46	Metabolomic Perfusate Analysis during Kidney Machine Perfusion: The Pig Provides an Appropriate Model for Human Studies. <i>PLoS ONE</i> , 2014, 9, e114818.	2.5	17
47	From Transcriptional Profiling to Tumor Biology in Pheochromocytoma and Paraganglioma. <i>Endocrine Pathology</i> , 2012, 23, 15-20.	9.0	16
48	Metabolic tracing reveals novel adaptations to skeletal muscle cell energy production pathways in response to NAD ⁺ depletion. <i>Wellcome Open Research</i> , 2018, 3, 147.	1.8	14
49	Organ transplantation from deceased donors with vaccine-induced thrombosis and thrombocytopenia. <i>American Journal of Transplantation</i> , 2021, 21, 4095-4097.	4.7	13
50	Tolerogenic effects of 1,25-dihydroxyvitamin D on dendritic cells involve induction of fatty acid synthesis. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2021, 211, 105891.	2.5	11
51	Simply Adding Oxygen during Hypothermic Machine Perfusion to Combat the Negative Effects of Ischemia-Reperfusion Injury: Fundamentals and Current Evidence for Kidneys. <i>Biomedicines</i> , 2021, 9, 993.	3.2	11
52	Probing Cancer Cell Metabolism Using NMR Spectroscopy. <i>Advances in Experimental Medicine and Biology</i> , 2016, 899, 89-111.	1.6	10
53	Metabolic adaptations to hypoxia in the neonatal mouse forebrain can occur independently of the transporters SLC7A5 and SLC3A2. <i>Scientific Reports</i> , 2021, 11, 9092.	3.3	9
54	High-Speed Tracer Analysis of Metabolism (HS-TrAM). <i>Wellcome Open Research</i> , 2018, 3, 5.	1.8	9

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55	Induction of the nicotinamide riboside kinase NAD ⁺ salvage pathway in a model of sarcoplasmic reticulum dysfunction. <i>Skeletal Muscle</i> , 2020, 10, 5.	4.2	6
56	1,25-Dihydroxyvitamin D3 suppresses CD4 ⁺ T cell effector functionality by inhibition of glycolysis. <i>Immunology</i> , 2022, 166, 299-309.	4.4	6
57	Nuclear Magnetic Resonance Strategies for Metabolic Analysis. <i>Advances in Experimental Medicine and Biology</i> , 2017, 965, 45-76.	1.6	5
58	Ex vivo metabolite profiling of paediatric central nervous system tumours reveals prognostic markers. <i>Scientific Reports</i> , 2019, 9, 10473.	3.3	5
59	Prolyl-4-hydroxylase 3 maintains β^2 cell glucose metabolism during fatty acid excess in mice. <i>JCI Insight</i> , 2021, 6, .	5.0	5
60	Combined Analysis of NMR and MS Spectra (CANMS). <i>Angewandte Chemie</i> , 2017, 129, 4204-4208.	2.0	3
61	Gene clusters based on OLIG2 and CD276 could distinguish molecular profiling in glioblastoma. <i>Journal of Translational Medicine</i> , 2021, 19, 404.	4.4	2
62	High-Speed Tracer Analysis of Metabolism (HS-TrAM). <i>Wellcome Open Research</i> , 0, 3, 5.	1.8	1
63	IDH1 mutations drive an oxygen-sparing metabolic phenotype to permit tumour growth. <i>Neuro-Oncology</i> , 2018, 20, i4-i4.	1.2	0
64	Development and validation of a combined metabolic and immune prognostic classifier for head and neck cancer.. <i>Journal of Clinical Oncology</i> , 2018, 36, 6049-6049.	1.6	0
65	Separate Roles of Asparagine and Glutamine in Cytostatic Effect of L-Asparaginase - Stable Isotope Tracing Approach. <i>Blood</i> , 2019, 134, 2575-2575.	1.4	0