Daniel A Tennant

List of Publications by Year
in descending order

65	5,594	201385	123241
papers	citations	27 h-index	61 g-index

67	67	67	11165
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Targeting metabolic transformation for cancer therapy. Nature Reviews Cancer, 2010, 10, 267-277.	12.8	969
2	Hypoxia and metabolic adaptation of cancer cells. Oncogenesis, 2016, 5, e190-e190.	2.1	572
3	A roadmap for interpreting 13 C metabolite labeling patterns from cells. Current Opinion in Biotechnology, 2015, 34, 189-201.	3.3	513
4	Cell-Permeating Î±-Ketoglutarate Derivatives Alleviate Pseudohypoxia in Succinate Dehydrogenase-Deficient Cells. Molecular and Cellular Biology, 2007, 27, 3282-3289.	1.1	339
5	Glucose Utilization via Glycogen Phosphorylase Sustains Proliferation and Prevents Premature Senescence in Cancer Cells. Cell Metabolism, 2012, 16, 751-764.	7.2	320
6	Nicotinamide Riboside Augments the Aged Human Skeletal Muscle NAD+ Metabolome and Induces Transcriptomic and Anti-inflammatory Signatures. Cell Reports, 2019, 28, 1717-1728.e6.	2.9	253
7	New aspects of amino acid metabolism in cancer. British Journal of Cancer, 2020, 122, 150-156.	2.9	250
8	Fumarate Is Cardioprotective via Activation of the Nrf2 Antioxidant Pathway. Cell Metabolism, 2012, 15, 361-371.	7.2	231
9	Metabolic transformation in cancer. Carcinogenesis, 2009, 30, 1269-1280.	1.3	206
10	Loss of succinate dehydrogenase activity results in dependency on pyruvate carboxylation for cellular anabolism. Nature Communications, 2015, 6, 8784.	5.8	169
11	Hypoxia inducible factors in liver disease and hepatocellular carcinoma: Current understanding and future directions. Journal of Hepatology, 2014, 61, 1397-1406.	1.8	152
12	Metabolic Profiling of Hypoxic Cells Revealed a Catabolic Signature Required for Cell Survival. PLoS ONE, 2011, 6, e24411.	1.1	150
13	Reactivating HIF prolyl hydroxylases under hypoxia results in metabolic catastrophe and cell death. Oncogene, 2009, 28, 4009-4021.	2.6	108
14	Metabolic plasticity in CLL: adaptation to the hypoxic niche. Leukemia, 2016, 30, 65-73.	3.3	85
15	Development and Validation of a Combined Hypoxia and Immune Prognostic Classifier for Head and Neck Cancer. Clinical Cancer Research, 2019, 25, 5315-5328.	3.2	81
16	A Role for Cytosolic Fumarate Hydratase in Urea Cycle Metabolism and Renal Neoplasia. Cell Reports, 2013, 3, 1440-1448.	2.9	78
17	Isocitrate dehydrogenase (IDH), succinate dehydrogenase (SDH), fumarate hydratase (FH): three players for one phenotype in cancer?. Biochemical Society Transactions, 2016, 44, 1111-1116.	1.6	65
18	Oncogenic IDH1 Mutations Promote Enhanced Proline Synthesis through PYCR1 to Support the Maintenance of Mitochondrial Redox Homeostasis. Cell Reports, 2018, 22, 3107-3114.	2.9	64

#	Article	IF	Citations
19	HIF prolyl hydroxylase-3 mediates alpha-ketoglutarate-induced apoptosis and tumor suppression. Journal of Molecular Medicine, 2010, 88, 839-849.	1.7	63
20	IDH1 Mutations in Gliomas: When an Enzyme Loses Its Grip. Cancer Cell, 2010, 17, 7-9.	7.7	63
21	Metabolomic Analysis of Perfusate During Hypothermic Machine Perfusion of Human Cadaveric Kidneys. Transplantation, 2015, 99, 754-759.	0.5	48
22	The Effects of Oxygenation on Ex Vivo Kidneys Undergoing Hypothermic Machine Perfusion. Transplantation, 2019, 103, 314-322.	0.5	48
23	Metabolic implications of hypoxia and pseudohypoxia in pheochromocytoma and paraganglioma. Cell and Tissue Research, 2018, 372, 367-378.	1.5	46
24	Systemic and adipocyte transcriptional and metabolic dysregulation in idiopathic intracranial hypertension. JCI Insight, 2021, 6, .	2.3	45
25	Intracellular sodium elevation reprograms cardiac metabolism. Nature Communications, 2020, 11, 4337.	5.8	44
26	Citrullination of histone H3 drives IL-6 production by bone marrow mesenchymal stem cells in MGUS and multiple myeloma. Leukemia, 2017, 31, 373-381.	3.3	42
27	Proline metabolism and redox; maintaining a balance in health and disease. Amino Acids, 2021, 53, 1779-1788.	1.2	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. American Journal of Transplantation, 2020, 20, 2030-2043.	2.6	32
29	Verteporfin selectively kills hypoxic glioma cells through iron-binding and increased production of reactive oxygen species. Scientific Reports, 2018, 8, 14358.	1.6	29
30	Inflammation causes remodeling of mitochondrial cytochrome c oxidase mediated by the bifunctional gene C15orf48. Science Advances, 2021, 7, eabl5182.	4.7	29
31	The role of HIFs in ischemia-reperfusion injury. Hypoxia (Auckland, N Z), 2014, 2, 107.	1.9	26
32	Loss of SDHB Promotes Dysregulated Iron Homeostasis, Oxidative Stress, and Sensitivity to Ascorbate. Cancer Research, 2021, 81, 3480-3494.	0.4	26
33	Metabolic differences between cold stored and machine perfused porcine kidneys: A 1 H NMR based study. Cryobiology, 2017, 74, 115-120.	0.3	25
34	Tissue metabolite profiles for the characterisation of paediatric cerebellar tumours. Scientific Reports, 2018, 8, 11992.	1.6	24
35	Combined Analysis of NMR and MS Spectra (CANMS). Angewandte Chemie - International Edition, 2017, 56, 4140-4144.	7.2	23
36	Proline synthesis through PYCR1 is required to support cancer cell proliferation and survival in oxygen-limiting conditions. Cell Reports, 2022, 38, 110320.	2.9	23

#	Article	IF	Citations
37	PK-M2 Makes Cells Sweeter on HIF1. Cell, 2011, 145, 647-649.	13.5	22
38	DiME: A Scalable Disease Module Identification Algorithm with Application to Glioma Progression. PLoS ONE, 2014, 9, e86693.	1.1	22
39	Cooperative Co-evolutionary Module Identification with Application to Cancer Disease Module Discovery. IEEE Transactions on Evolutionary Computation, 2016, , 1-1.	7.5	21
40	13C glucose labelling studies using 2D NMR are a useful tool for determining ex vivo whole organ metabolism during hypothermic machine perfusion of kidneys. Transplantation Research, 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. Blood Cancer Journal, 2015, 5, e359-e359.	2.8	19
42	A human pluripotent stem cell model for the analysis of metabolic dysfunction in hepatic steatosis. IScience, 2021, 24, 101931.	1.9	19
43	Mitochondrial metabolic remodeling in response to genetic and environmental perturbations. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 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. FASEB Journal, 2020, 34, 303-315.	0.2	17
45	Metabolic tracing reveals novel adaptations to skeletal muscle cell energy production pathways in response to NAD+ depletion. Wellcome Open Research, 2018, 3, 147.	0.9	17
46	Metabolomic Perfusate Analysis during Kidney Machine Perfusion: The Pig Provides an Appropriate Model for Human Studies. PLoS ONE, 2014, 9, e114818.	1.1	17
47	From Transcriptional Profiling to Tumor Biology in Pheochromocytoma and Paraganglioma. Endocrine Pathology, 2012, 23, 15-20.	5.2	16
48	Metabolic tracing reveals novel adaptations to skeletal muscle cell energy production pathways in response to NAD+ depletion. Wellcome Open Research, 2018, 3, 147.	0.9	14
49	Organ transplantation from deceased donors with vaccine-induced thrombosis and thrombocytopenia. American Journal of Transplantation, 2021, 21, 4095-4097.	2.6	13
50	Tolerogenic effects of 1,25-dihydroxyvitamin D on dendritic cells involve induction of fatty acid synthesis. Journal of Steroid Biochemistry and Molecular Biology, 2021, 211, 105891.	1.2	11
51	Simply Adding Oxygen during Hypothermic Machine Perfusion to Combat the Negative Effects of Ischemia-Reperfusion Injury: Fundamentals and Current Evidence for Kidneys. Biomedicines, 2021, 9, 993.	1.4	11
52	Probing Cancer Cell Metabolism Using NMR Spectroscopy. Advances in Experimental Medicine and Biology, 2016, 899, 89-111.	0.8	10
53	Metabolic adaptations to hypoxia in the neonatal mouse forebrain can occur independently of the transporters SLC7A5 and SLC3A2. Scientific Reports, 2021, 11, 9092.	1.6	9
54	High-Speed Tracer Analysis of Metabolism (HS-TrAM). Wellcome Open Research, 2018, 3, 5.	0.9	9

#	Article	IF	Citations
55	Induction of the nicotinamide riboside kinase NAD+ salvage pathway in a model of sarcoplasmic reticulum dysfunction. Skeletal Muscle, 2020, 10, 5.	1.9	6
56	1,25â€Dihydroxyvitamin D3 suppresses CD4⁺ Tâ€cell effector functionality by inhibition of glycolysis. Immunology, 2022, 166, 299-309.	2.0	6
57	Nuclear Magnetic Resonance Strategies for Metabolic Analysis. Advances in Experimental Medicine and Biology, 2017, 965, 45-76.	0.8	5
58	Ex vivo metabolite profiling of paediatric central nervous system tumours reveals prognostic markers. Scientific Reports, 2019, 9, 10473.	1.6	5
59	Prolyl-4-hydroxylase 3 maintains Î² cell glucose metabolism during fatty acid excess in mice. JCI Insight, 2021, 6, .	2.3	5
60	Combined Analysis of NMR and MS Spectra (CANMS). Angewandte Chemie, 2017, 129, 4204-4208.	1.6	3
61	Gene clusters based on OLIG2 and CD276 could distinguish molecular profiling in glioblastoma. Journal of Translational Medicine, 2021, 19, 404.	1.8	2
62	High-Speed Tracer Analysis of Metabolism (HS-TrAM). Wellcome Open Research, 0, 3, 5.	0.9	1
63	IDH1 mutations drive an oxygen-sparing metabolic phenotype to permit tumour growth. Neuro-Oncology, 2018, 20, i4-i4.	0.6	0
64	Development and validation of a combined metabolic and immune prognostic classifier for head and neck cancer.. Journal of Clinical Oncology, 2018, 36, 6049-6049.	0.8	0
65	Separate Roles of Asparagine and Glutamine in Cytostatic Effect of L-Asparaginase - Stable Isotope Tracing Approach. Blood, 2019, 134, 2575-2575.	0.6	0