

Russell G Jones

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8258560/publications.pdf>

Version: 2024-02-01

101
papers

24,018
citations

17429

63
h-index

36008

97
g-index

107
all docs

107
docs citations

107
times ranked

32384
citing authors

#	ARTICLE	IF	CITATIONS
1	Creatine transport and creatine kinase activity is required for CD8+ T cell immunity. <i>Cell Reports</i> , 2022, 38, 110446.	2.9	11
2	Immunometabolism in the Tumor Microenvironment. <i>Annual Review of Cancer Biology</i> , 2021, 5, 137-159.	2.3	28
3	Immunometabolic Interplay in the Tumor Microenvironment. <i>Cancer Cell</i> , 2021, 39, 28-37.	7.7	183
4	Itaconate confers tolerance to late NLRP3 inflammasome activation. <i>Cell Reports</i> , 2021, 34, 108756.	2.9	105
5	Structure of an AMPK complex in an inactive, ATP-bound state. <i>Science</i> , 2021, 373, 413-419.	6.0	42
6	Interrogating in vivo T-cell metabolism in mice using stable isotope labeling metabolomics and rapid cell sorting. <i>Nature Protocols</i> , 2021, 16, 4494-4521.	5.5	20
7	1-Methylnicotinamide is an immune regulatory metabolite in human ovarian cancer. <i>Science Advances</i> , 2021, 7, .	4.7	46
8	Memory CD8+ T Cells Balance Pro- and Anti-inflammatory Activity by Reprogramming Cellular Acetate Handling at Sites of Infection. <i>Cell Metabolism</i> , 2020, 32, 457-467.e5.	7.2	37
9	Glucose-dependent partitioning of arginine to the urea cycle protects β 2-cells from inflammation. <i>Nature Metabolism</i> , 2020, 2, 432-446.	5.1	27
10	Methotrexate elicits pro-respiratory and anti-growth effects by promoting AMPK signaling. <i>Scientific Reports</i> , 2020, 10, 7838.	1.6	10
11	MicroRNA-9 Fine-Tunes Dendritic Cell Function by Suppressing Negative Regulators in a Cell-Type-Specific Manner. <i>Cell Reports</i> , 2020, 31, 107585.	2.9	8
12	Repression of LKB1 by miR-17a [~] 492 Sensitizes MYC-Dependent Lymphoma to Biguanide Treatment. <i>Cell Reports Medicine</i> , 2020, 1, 100014.	3.3	16
13	Methionine Metabolism Shapes T Helper Cell Responses through Regulation of Epigenetic Reprogramming. <i>Cell Metabolism</i> , 2020, 31, 250-266.e9.	7.2	182
14	Oncogenic Biogenesis of pri-miR-17a [~] 492 Reveals Hierarchy and Competition among Polycistronic MicroRNAs. <i>Molecular Cell</i> , 2019, 75, 340-356.e10.	4.5	26
15	Metabolic Profiling Using Stable Isotope Tracing Reveals Distinct Patterns of Glucose Utilization by Physiologically Activated CD8+ T Cells. <i>Immunity</i> , 2019, 51, 856-870.e5.	6.6	250
16	SDHA gain-of-function engages inflammatory mitochondrial retrograde signaling via KEAP1 \hat{c} Nrf2. <i>Nature Immunology</i> , 2019, 20, 1311-1321.	7.0	39
17	Immature Low-Density Neutrophils Exhibit Metabolic Flexibility that Facilitates Breast Cancer Liver Metastasis. <i>Cell Reports</i> , 2019, 27, 3902-3915.e6.	2.9	144
18	Hypoxia-inducible factors in CD4 ⁺ T cells promote metabolism, switch cytokine secretion, and T cell help in humoral immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8975-8984.	3.3	100

#	ARTICLE	IF	CITATIONS
19	The Transcription Factors TFEB and TFE3 Link the FLCN-AMPK Signaling Axis to Innate Immune Response and Pathogen Resistance. <i>Cell Reports</i> , 2019, 26, 3613-3628.e6.	2.9	91
20	Activation of Peroxisome Proliferator-Activated Receptors α and β Synergizes with Inflammatory Signals to Enhance Adoptive Cell Therapy. <i>Cancer Research</i> , 2019, 79, 445-451.	0.4	43
21	Translational control in the tumor microenvironment promotes lung metastasis: Phosphorylation of eIF4E in neutrophils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2202-E2209.	3.3	73
22	Fatty acid metabolism in CD8 ⁺ T cell memory: Challenging current concepts. <i>Immunological Reviews</i> , 2018, 283, 213-231.	2.8	103
23	Translational and HIF-1 α -Dependent Metabolic Reprogramming Underpin Metabolic Plasticity and Responses to Kinase Inhibitors and Biguanides. <i>Cell Metabolism</i> , 2018, 28, 817-832.e8.	7.2	61
24	The AMPK agonist 5-aminoimidazole-4-carboxamide ribonucleotide (AICAR), but not metformin, prevents inflammation-associated cachectic muscle wasting. <i>EMBO Molecular Medicine</i> , 2018, 10, .	3.3	58
25	Glycolytic metabolism is essential for CCR7 oligomerization and dendritic cell migration. <i>Nature Communications</i> , 2018, 9, 2463.	5.8	144
26	Etomoxir Actions on Regulatory and Memory T Cells Are Independent of Cpt1a-Mediated Fatty Acid Oxidation. <i>Cell Metabolism</i> , 2018, 28, 504-515.e7.	7.2	264
27	LKB1 deficiency in T cells promotes the development of gastrointestinal polyposis. <i>Science</i> , 2018, 361, 406-411.	6.0	47
28	Mitochondrial cyclophilin D regulates T cell metabolic responses and disease tolerance to tuberculosis. <i>Science Immunology</i> , 2018, 3, .	5.6	57
29	Intestinal Epithelial AMPK Does Not Protect Against High Dose DSS-Induced Colitis in Mice. <i>FASEB Journal</i> , 2018, 32, 873.10.	0.2	0
30	Serine Is an Essential Metabolite for Effector T Cell Expansion. <i>Cell Metabolism</i> , 2017, 25, 345-357.	7.2	429
31	The role of AMPK in T cell metabolism and function. <i>Current Opinion in Immunology</i> , 2017, 46, 45-52.	2.4	103
32	MenTORing Immunity: mTOR Signaling in the Development and Function of Tissue-Resident Immune Cells. <i>Immunity</i> , 2017, 46, 730-742.	6.6	179
33	AMPK Maintains Cellular Metabolic Homeostasis through Regulation of Mitochondrial Reactive Oxygen Species. <i>Cell Reports</i> , 2017, 21, 1-9.	2.9	405
34	Itaconate Links Inhibition of Succinate Dehydrogenase with Macrophage Metabolic Remodeling and Regulation of Inflammation. <i>Cell Metabolism</i> , 2016, 24, 158-166.	7.2	944
35	Memory CD8 ⁺ T Cells Require Increased Concentrations of Acetate Induced by Stress for Optimal Function. <i>Immunity</i> , 2016, 44, 1312-1324.	6.6	257
36	GAM: a web-service for integrated transcriptional and metabolic network analysis. <i>Nucleic Acids Research</i> , 2016, 44, W194-W200.	6.5	81

#	ARTICLE	IF	CITATIONS
37	The miR-17 $\hat{1}$ / ₄ 92 microRNA Cluster Is a Global Regulator of Tumor Metabolism. <i>Cell Reports</i> , 2016, 16, 1915-1928.	2.9	58
38	Metabolic Plasticity as a Determinant of Tumor Growth and Metastasis. <i>Cancer Research</i> , 2016, 76, 5201-5208.	0.4	214
39	The oncometabolite 2-hydroxyglutarate activates the mTOR signalling pathway. <i>Nature Communications</i> , 2016, 7, 12700.	5.8	134
40	Potential Benefit of the Charge-Stabilized Nanostructure Saline RNS60 for Myelin Maintenance and Repair. <i>Scientific Reports</i> , 2016, 6, 30020.	1.6	19
41	(TORC)ing up purine biosynthesis. <i>Science</i> , 2016, 351, 670-671.	6.0	8
42	Attenuation of AMPK signaling by ROQUIN promotes T follicular helper cell formation. <i>ELife</i> , 2015, 4, .	2.8	52
43	Metformin Antagonizes Cancer Cell Proliferation by Suppressing Mitochondrial-Dependent Biosynthesis. <i>PLoS Biology</i> , 2015, 13, e1002309.	2.6	176
44	The Energy Sensor AMPK Regulates T Cell Metabolic Adaptation and Effector Responses In Vivo. <i>Immunity</i> , 2015, 42, 41-54.	6.6	505
45	A roadmap for interpreting ¹³ C metabolite labeling patterns from cells. <i>Current Opinion in Biotechnology</i> , 2015, 34, 189-201.	3.3	513
46	LKB1 couples glucose metabolism to insulin secretion in mice. <i>Diabetologia</i> , 2015, 58, 1513-1522.	2.9	22
47	p53 mediates loss of hematopoietic stem cell function and lymphopenia in Mym1 deficiency. <i>Blood</i> , 2015, 125, 2344-2348.	0.6	53
48	Oncogenic Myc Induces Expression of Glutamine Synthetase through Promoter Demethylation. <i>Cell Metabolism</i> , 2015, 22, 1068-1077.	7.2	189
49	Mitochondrial Phosphoenolpyruvate Carboxykinase Regulates Metabolic Adaptation and Enables Glucose-Independent Tumor Growth. <i>Molecular Cell</i> , 2015, 60, 195-207.	4.5	200
50	PDK1-Dependent Metabolic Reprogramming Dictates Metastatic Potential in Breast Cancer. <i>Cell Metabolism</i> , 2015, 22, 577-589.	7.2	430
51	The AMP-activated protein kinase (AMPK) and cancer: Many faces of a metabolic regulator. <i>Cancer Letters</i> , 2015, 356, 165-170.	3.2	289
52	Differential effects of AMPK agonists on cell growth and metabolism. <i>Oncogene</i> , 2015, 34, 3627-3639.	2.6	121
53	Abstract IA22: Regulation of metabolic plasticity in effector T cells. , 2015, , .		0
54	Loss of the tumor suppressor LKB1 promotes metabolic reprogramming of cancer cells via HIF-1 $\hat{1}$. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2554-2559.	3.3	212

#	ARTICLE	IF	CITATIONS
55	Folliculin Regulates Ampk-Dependent Autophagy and Metabolic Stress Survival. PLoS Genetics, 2014, 10, e1004273.	1.5	102
56	TLR-driven early glycolytic reprogramming via the kinases TBK1-IKKÉ supports the anabolic demands of dendritic cell activation. Nature Immunology, 2014, 15, 323-332.	7.0	861
57	Oxidative metabolism enables <i>Salmonella</i> evasion of the NLRP3 inflammasome. Journal of Experimental Medicine, 2014, 211, 653-668.	4.2	92
58	Amino Acids Fuel T Cell-Mediated Inflammation. Immunity, 2014, 40, 635-637.	6.6	28
59	The tumor suppressor folliculin regulates AMPK-dependent metabolic transformation. Journal of Clinical Investigation, 2014, 124, 2640-2650.	3.9	124
60	Abstract 491: Selective killing of oncogenically transformed cells by arsenic trioxide and trolox. , 2014, , .		0
61	Abstract 3367: Understanding the role of metabolic reprogramming in breast cancer progression and metastasis. , 2014, , .		0
62	LKB1 is a central regulator of tumor initiation and pro-growth metabolism in ErbB2-mediated breast cancer. Cancer & Metabolism, 2013, 1, 18.	2.4	44
63	Fueling Immunity: Insights into Metabolism and Lymphocyte Function. Science, 2013, 342, 1242454.	6.0	1,070
64	PGC-1Î± supports glutamine metabolism in breast cancer. Cancer & Metabolism, 2013, 1, 22.	2.4	130
65	AMPK Is a Negative Regulator of the Warburg Effect and Suppresses Tumor Growth InÂVivo. Cell Metabolism, 2013, 17, 113-124.	7.2	754
66	Depletion of the novel p53-target gene carnitine palmitoyltransferase 1C delays tumor growth in the neurofibromatosis type I tumor model. Cell Death and Differentiation, 2013, 20, 659-668.	5.0	81
67	Rubbing salt in the wound. Nature, 2013, 496, 437-439.	13.7	32
68	The eEF2 Kinase Confers Resistance to Nutrient Deprivation by Blocking Translation Elongation. Cell, 2013, 153, 1064-1079.	13.5	348
69	Posttranscriptional Control of T Cell Effector Function by Aerobic Glycolysis. Cell, 2013, 153, 1239-1251.	13.5	1,715
70	The TGF-Î²-Smad3 pathway inhibits CD28-dependent cell growth and proliferation of CD4 T cells. Genes and Immunity, 2013, 14, 115-126.	2.2	74
71	CD8 memory T cells have a bioenergetic advantage that underlies their rapid recall ability. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14336-14341.	3.3	428
72	Stomatin-like Protein 2 Deficiency in T Cells Is Associated with Altered Mitochondrial Respiration and Defective CD4+ T Cell Responses. Journal of Immunology, 2012, 189, 4349-4360.	0.4	44

#	ARTICLE	IF	CITATIONS
73	<scp>LKB</scp> 1 and <scp>AMPK</scp>: central regulators of lymphocyte metabolism and function. <i>Immunological Reviews</i> , 2012, 249, 59-71.	2.8	65
74	Polarizing Macrophages through Reprogramming of Glucose Metabolism. <i>Cell Metabolism</i> , 2012, 15, 793-795.	7.2	69
75	The Liver Kinase B1 Is a Central Regulator of T Cell Development, Activation, and Metabolism. <i>Journal of Immunology</i> , 2011, 187, 4187-4198.	0.4	202
76	Carnitine palmitoyltransferase 1C promotes cell survival and tumor growth under conditions of metabolic stress. <i>Genes and Development</i> , 2011, 25, 1041-1051.	2.7	386
77	Signaling Kinase AMPK Activates Stress-Promoted Transcription via Histone H2B Phosphorylation. <i>Science</i> , 2010, 329, 1201-1205.	6.0	320
78	A Kinome RNAi Screen Identified AMPK as Promoting Poxvirus Entry through the Control of Actin Dynamics. <i>PLoS Pathogens</i> , 2010, 6, e1000954.	2.1	79
79	Toll-like receptor-induced changes in glycolytic metabolism regulate dendritic cell activation. <i>Blood</i> , 2010, 115, 4742-4749.	0.6	998
80	Enhancing CD8 T-cell memory by modulating fatty acid metabolism. <i>Nature</i> , 2009, 460, 103-107.	13.7	1,316
81	Tumor suppressors and cell metabolism: a recipe for cancer growth. <i>Genes and Development</i> , 2009, 23, 537-548.	2.7	868
82	The roles, mechanisms, and controversies of autophagy in mammalian biology. <i>F1000 Biology Reports</i> , 2009, 1, 68.	4.0	13
83	Systemic Treatment with the Antidiabetic Drug Metformin Selectively Impairs p53-Deficient Tumor Cell Growth. <i>Cancer Research</i> , 2007, 67, 6745-6752.	0.4	835
84	CD4+ and CD8+ T Cell Survival Is Regulated Differentially by Protein Kinase C δ , c-Rel, and Protein Kinase B. <i>Journal of Immunology</i> , 2007, 178, 2932-2939.	0.4	49
85	The Proapoptotic Factors Bax and Bak Regulate T Cell Proliferation through Control of Endoplasmic Reticulum Ca ²⁺ Homeostasis. <i>Immunity</i> , 2007, 27, 268-280.	6.6	92
86	Reving the Engine: Signal Transduction Fuels T Cell Activation. <i>Immunity</i> , 2007, 27, 173-178.	6.6	307
87	Hypoxia-Induced Energy Stress Regulates mRNA Translation and Cell Growth. <i>Molecular Cell</i> , 2006, 21, 521-531.	4.5	541
88	The glucose dependence of Akt-transformed cells can be reversed by pharmacologic activation of fatty acid β -oxidation. <i>Oncogene</i> , 2005, 24, 4165-4173.	2.6	342
89	NF- κ B Couples Protein Kinase B/Akt Signaling to Distinct Survival Pathways and the Regulation of Lymphocyte Homeostasis In Vivo. <i>Journal of Immunology</i> , 2005, 175, 3790-3799.	0.4	42
90	Differential Control of CD28-Regulated In Vivo Immunity by the E3 Ligase Cbl-b. <i>Journal of Immunology</i> , 2005, 174, 1472-1478.	0.4	41

#	ARTICLE	IF	CITATIONS
91	AMP-Activated Protein Kinase Induces a p53-Dependent Metabolic Checkpoint. <i>Molecular Cell</i> , 2005, 18, 283-293.	4.5	1,431
92	PKC δ Signals Activation versus Tolerance In Vivo. <i>Journal of Experimental Medicine</i> , 2004, 199, 743-752.	4.2	82
93	CD28-dependent Activation of Protein Kinase B/Akt Blocks Fas-mediated Apoptosis by Preventing Death-inducing Signaling Complex Assembly. <i>Journal of Experimental Medicine</i> , 2002, 196, 335-348.	4.2	128
94	Expression of Active Protein Kinase B in T Cells Perturbs Both T and B Cell Homeostasis and Promotes Inflammation. <i>Journal of Immunology</i> , 2001, 167, 42-48.	0.4	80
95	Factors Contributing to Autoimmune Disease. <i>Advances in Experimental Medicine and Biology</i> , 2001, 490, 7-19.	0.8	0
96	Negative Regulation of T Cell Proliferation and Interleukin 2 Production by the Serine Threonine Kinase Gsk-3. <i>Journal of Experimental Medicine</i> , 2000, 192, 99-104.	4.2	142
97	Protein Kinase B Regulates T Lymphocyte Survival, Nuclear Factor κ B Activation, and Bcl-XL Levels in Vivo. <i>Journal of Experimental Medicine</i> , 2000, 191, 1721-1734.	4.2	309
98	Cbl-b Is a Negative Regulator of Receptor Clustering and Raft Aggregation in T Cells. <i>Immunity</i> , 2000, 13, 463-473.	6.6	205
99	Function of PI3K in Thymocyte Development, T Cell Activation, and Neutrophil Migration. <i>Science</i> , 2000, 287, 1040-1046.	6.0	1,003
100	Signals involved in thymocyte positive and negative selection. <i>Seminars in Immunology</i> , 1999, 11, 263-272.	2.7	32
101	X-ray Crystal Structure of C3d: A C3 Fragment and Ligand for Complement Receptor 2 . <i>Science</i> , 1998, 280, 1277-1281.	6.0	209