

Michael Downes

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

8,663
citations

71102

41
h-index

82547

72
g-index

75
all docs

75
docs citations

75
times ranked

14119
citing authors

#	ARTICLE	IF	CITATIONS
1	Î²3-Adrenergic receptor downregulation leads to adipocyte catecholamine resistance in obesity. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	42
2	FGF1 and insulin control lipolysis by convergent pathways. <i>Cell Metabolism</i> , 2022, 34, 171-183.e6.	16.2	36
3	BRD9 regulates interferon-stimulated genes during macrophage activation via cooperation with BET protein BRD4. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	15
4	Ketogenic diet and chemotherapy combine to disrupt pancreatic cancer metabolism and growth. <i>Med</i> , 2022, 3, 119-136.e8.	4.4	31
5	Obesity alters pathology and treatment response in inflammatory disease. <i>Nature</i> , 2022, 604, 337-342.	27.8	93
6	Estrogen-Related Receptor Î³ Maintains Pancreatic Acinar Cell Function and Identity by Regulating Cellular Metabolism. <i>Gastroenterology</i> , 2022, 163, 239-256.	1.3	7
7	Daily running enhances molecular and physiological circadian rhythms in skeletal muscle. <i>Molecular Metabolism</i> , 2022, 61, 101504.	6.5	14
8	Proton pump inhibitor use status does not modify the microbiome signature for cirrhosis. <i>Cell Metabolism</i> , 2021, 33, 457.	16.2	1
9	FGF21 promotes thermogenic gene expression as an autocrine factor in adipocytes. <i>Cell Reports</i> , 2021, 35, 109331.	6.4	55
10	Uptake of oxidized lipids by the scavenger receptor CD36 promotes lipid peroxidation and dysfunction in CD8+ TÂ cells in tumors. <i>Immunity</i> , 2021, 54, 1561-1577.e7.	14.3	260
11	Bromodomain containing 9 (BRD9) regulates macrophage inflammatory responses by potentiating glucocorticoid receptor activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	12
12	Bisphenol A derivatives act as novel coactivator-binding inhibitors for estrogen receptor Î². <i>Journal of Biological Chemistry</i> , 2021, 297, 101173.	3.4	15
13	Intestinal Î±1-2-Fucosylation Contributes to Obesity and Steatohepatitis in Mice. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 12, 293-320.	4.5	14
14	Glycogen metabolism links glucose homeostasis to thermogenesis in adipocytes. <i>Nature</i> , 2021, 599, 296-301.	27.8	36
15	Neutralization of Oxidized Phospholipids Ameliorates Non-alcoholic Steatohepatitis. <i>Cell Metabolism</i> , 2020, 31, 189-206.e8.	16.2	113
16	Genomic and Epigenomic Landscaping Defines New Therapeutic Targets for Adenosquamous Carcinoma of the Pancreas. <i>Cancer Research</i> , 2020, 80, 4324-4334.	0.9	36
17	Immune-evasive human islet-like organoids ameliorate diabetes. <i>Nature</i> , 2020, 586, 606-611.	27.8	192
18	Triptolide targets super-enhancer networks in pancreatic cancer cells and cancer-associated fibroblasts. <i>Oncogenesis</i> , 2020, 9, 100.	4.9	39

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19	Catecholamines suppress fatty acid re-esterification and increase oxidation in white adipocytes via STAT3. <i>Nature Metabolism</i> , 2020, 2, 620-634.	11.9	25
20	A Universal Gut-Microbiome-Derived Signature Predicts Cirrhosis. <i>Cell Metabolism</i> , 2020, 32, 878-888.e6.	16.2	167
21	Global chemical effects of the microbiome include new bile-acid conjugations. <i>Nature</i> , 2020, 579, 123-129.	27.8	316
22	YIPF6 controls sorting of FGF21 into COPII vesicles and promotes obesity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15184-15193.	7.1	24
23	β -catenin is essential for differentiation of primary myoblasts via cooperation with MyoD and β -catenin. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	13
24	Targeting LIF-mediated paracrine interaction for pancreatic cancer therapy and monitoring. <i>Nature</i> , 2019, 569, 131-135.	27.8	287
25	FXR Regulates Intestinal Cancer Stem Cell Proliferation. <i>Cell</i> , 2019, 176, 1098-1112.e18.	28.9	291
26	The nuclear receptor REV-ERB β modulates Th17 cell-mediated autoimmune disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18528-18536.	7.1	60
27	ERR β Promotes Angiogenesis, Mitochondrial Biogenesis, and Oxidative Remodeling in PGC1 α / β -Deficient Muscle. <i>Cell Reports</i> , 2018, 22, 2521-2529.	6.4	58
28	ERR β Preserves Brown Fat Innate Thermogenic Activity. <i>Cell Reports</i> , 2018, 22, 2849-2859.	6.4	30
29	Modulation of the intestinal bile acid/farnesoid X receptor/fibroblast growth factor 15 axis improves alcoholic liver disease in mice. <i>Hepatology</i> , 2018, 67, 2150-2166.	7.3	189
30	Corepressor SMRT is required to maintain Hox transcriptional memory during somitogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10381-10386.	7.1	10
31	Vitamin D Switches BAF Complexes to Protect β Cells. <i>Cell</i> , 2018, 173, 1135-1149.e15.	28.9	162
32	Stromal cues regulate the pancreatic cancer epigenome and metabolome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1129-1134.	7.1	125
33	PPAR γ Promotes Running Endurance by Preserving Glucose. <i>Cell Metabolism</i> , 2017, 25, 1186-1193.e4.	16.2	154
34	Use of Angiotensin System Inhibitors Is Associated with Immune Activation and Longer Survival in Nonmetastatic Pancreatic Ductal Adenocarcinoma. <i>Clinical Cancer Research</i> , 2017, 23, 5959-5969.	7.0	75
35	Structural basis for specific ligation of the peroxisome proliferator-activated receptor γ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2563-E2570.	7.1	52
36	Re-engineering the Pancreas Tumor Microenvironment: A "Regenerative Program" Hacked. <i>Clinical Cancer Research</i> , 2017, 23, 1647-1655.	7.0	36

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37	Growth differentiation factor 15 is a myomitokine governing systemic energy homeostasis. <i>Journal of Cell Biology</i> , 2017, 216, 149-165.	5.2	250
38	NCoR1 restrains thymic negative selection by repressing Bim expression to spare thymocytes undergoing positive selection. <i>Nature Communications</i> , 2017, 8, 959.	12.8	17
39	Circadian repressors CRY1 and CRY2 broadly interact with nuclear receptors and modulate transcriptional activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8776-8781.	7.1	84
40	Circadian clock cryptochrome proteins regulate autoimmunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12548-12553.	7.1	84
41	Metabolic control of regulatory T cell (Treg) survival and function by Lkb1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12542-12547.	7.1	115
42	Inflammation-induced IgA+ cells dismantle anti-liver cancer immunity. <i>Nature</i> , 2017, 551, 340-345.	27.8	396
43	CRY1/2 Selectively Repress PPAR γ and Limit Exercise Capacity. <i>Cell Metabolism</i> , 2017, 26, 243-255.e6.	16.2	83
44	Inhibition of IKK ϵ and TBK1 Improves Glucose Control in a Subset of Patients with Type 2 Diabetes. <i>Cell Metabolism</i> , 2017, 26, 157-170.e7.	16.2	127
45	FGF1 "a new weapon to control type 2 diabetes mellitus. <i>Nature Reviews Endocrinology</i> , 2017, 13, 599-609.	9.6	74
46	Reprogramming pancreatic stellate cells via p53 activation: A putative target for pancreatic cancer therapy. <i>PLoS ONE</i> , 2017, 12, e0189051.	2.5	31
47	Barx2 and Pax7 Regulate Axin2 Expression in Myoblasts by Interaction with β -Catenin and Chromatin Remodelling. <i>Stem Cells</i> , 2016, 34, 2169-2182.	3.2	20
48	Circadian Amplitude Regulation via FBXW7-Targeted REV-ERB β Degradation. <i>Cell</i> , 2016, 165, 1644-1657.	28.9	130
49	ERR β Is Required for the Metabolic Maturation of Therapeutically Functional Glucose-Responsive β Cells. <i>Cell Metabolism</i> , 2016, 23, 622-634.	16.2	139
50	Bile Acid Analog Intercepts Liver Fibrosis. <i>Cell</i> , 2016, 166, 789.	28.9	19
51	An S116R Phosphorylation Site Mutation in Human Fibroblast Growth Factor-1 Differentially Affects Mitogenic and Glucose-Lowering Activities. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 3507-3519.	3.3	1
52	Effective treatment of steatosis and steatohepatitis by fibroblast growth factor 1 in mouse models of nonalcoholic fatty liver disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2288-2293.	7.1	60
53	BRD4 is a novel therapeutic target for liver fibrosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15713-15718.	7.1	171
54	Targeting Transcriptional and Epigenetic Reprogramming in Stromal Cells in Fibrosis and Cancer. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2015, 80, 249-255.	1.1	18

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55	Intestinal FXR agonism promotes adipose tissue browning and reduces obesity and insulin resistance. <i>Nature Medicine</i> , 2015, 21, 159-165.	30.7	562
56	A subcutaneous adipose tissueâ€œliver signalling axis controls hepatic gluconeogenesis. <i>Nature Communications</i> , 2015, 6, 6047.	12.8	75
57	High-fat diet and FGF21 cooperatively promote aerobic thermogenesis in mtDNA mutator mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8714-8719.	7.1	47
58	ERRs Mediate a Metabolic Switch Required for Somatic Cell Reprogramming to Pluripotency. <i>Cell Stem Cell</i> , 2015, 16, 547-555.	11.1	109
59	Dependence of Hippocampal Function on ERR β -Regulated Mitochondrial Metabolism. <i>Cell Metabolism</i> , 2015, 21, 628-636.	16.2	45
60	Calcipotriol Targets LRP6 to Inhibit Wnt Signaling in Pancreatic Cancer. <i>Molecular Cancer Research</i> , 2015, 13, 1509-1519.	3.4	42
61	Disease tolerance mediated by microbiome <i>E. coli</i> involves inflammasome and IGF-1 signaling. <i>Science</i> , 2015, 350, 558-563.	12.6	163
62	Depletion of fat-resident Treg cells prevents age-associated insulin resistance. <i>Nature</i> , 2015, 528, 137-141.	27.8	261
63	Methylome, transcriptome, and PPAR β cistrome analyses reveal two epigenetic transitions in fat cells. <i>Epigenetics</i> , 2014, 9, 1195-1206.	2.7	9
64	Vitamin D Receptor-Mediated Stromal Reprogramming Suppresses Pancreatitis and Enhances Pancreatic Cancer Therapy. <i>Cell</i> , 2014, 159, 80-93.	28.9	871
65	Endocrinization of FGF1 produces a neomorphic and potent insulin sensitizer. <i>Nature</i> , 2014, 513, 436-439.	27.8	201
66	Insights into Negative Regulation by the Glucocorticoid Receptor from Genome-wide Profiling of Inflammatory Cistromes. <i>Molecular Cell</i> , 2013, 49, 158-171.	9.7	233
67	PS21 - 100. A PPAR-FGF1 axis is required for adaptive adipose remodelling and metabolic homeostasis. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2012, 10, 170-170.	0.0	0
68	Cryptochromes mediate rhythmic repression of the glucocorticoid receptor. <i>Nature</i> , 2011, 480, 552-556.	27.8	481
69	Staying the Distance: Avoiding the Proteasomal Trap. <i>Cancer Cell</i> , 2008, 13, 184-185.	16.8	1
70	Humanized xenobiotic response in mice expressing nuclear receptor SXR. <i>Nature</i> , 2000, 406, 435-439.	27.8	637