Michael Downes

List of Publications by Year
in descending order

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70	8,663	71102 41	82547 72
papers	citations	h-index	g-index

75	75	75	14119
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Vitamin D Receptor-Mediated Stromal Reprogramming Suppresses Pancreatitis and Enhances Pancreatic Cancer Therapy. Cell, 2014, 159, 80-93.	28.9	871
2	Humanized xenobiotic response in mice expressing nuclear receptor SXR. Nature, 2000, 406, 435-439.	27.8	637
3	Intestinal FXR agonism promotes adipose tissue browning and reduces obesity and insulin resistance. Nature Medicine, 2015, 21, 159-165.	30.7	562
4	Cryptochromes mediate rhythmic repression of the glucocorticoid receptor. Nature, 2011, 480, 552-556.	27.8	481
5	Inflammation-induced IgA+ cells dismantle anti-liver cancer immunity. Nature, 2017, 551, 340-345.	27.8	396
6	Global chemical effects of the microbiome include new bile-acid conjugations. Nature, 2020, 579, 123-129.	27.8	316
7	FXR Regulates Intestinal Cancer Stem Cell Proliferation. Cell, 2019, 176, 1098-1112.e18.	28.9	291
8	Targeting LIF-mediated paracrine interaction for pancreatic cancer therapy and monitoring. Nature, 2019, 569, 131-135.	27.8	287
9	Depletion of fat-resident Treg cells prevents age-associated insulin resistance. Nature, 2015, 528, 137-141.	27.8	261
10	Uptake of oxidized lipids by the scavenger receptor CD36 promotes lipid peroxidation and dysfunction in CD8+ TÂcells in tumors. Immunity, 2021, 54, 1561-1577.e7.	14.3	260
11	Growth differentiation factor 15 is a myomitokine governing systemic energy homeostasis. Journal of Cell Biology, 2017, 216, 149-165.	5.2	250
12	Insights into Negative Regulation by the Glucocorticoid Receptor from Genome-wide Profiling of Inflammatory Cistromes. Molecular Cell, 2013, 49, 158-171.	9.7	233
13	Endocrinization of FGF1 produces a neomorphic and potent insulin sensitizer. Nature, 2014, 513, 436-439.	27.8	201
14	Immune-evasive human islet-like organoids ameliorate diabetes. Nature, 2020, 586, 606-611.	27.8	192
15	Modulation of the intestinal bile acid/farnesoid X receptor/fibroblast growth factor 15 axis improves alcoholic liver disease in mice. Hepatology, 2018, 67, 2150-2166.	7.3	189
16	BRD4 is a novel therapeutic target for liver fibrosis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15713-15718.	7.1	171
17	A Universal Gut-Microbiome-Derived Signature Predicts Cirrhosis. Cell Metabolism, 2020, 32, 878-888.e6.	16.2	167
18	Disease tolerance mediated by microbiome E. coli involves inflammasome and IGF-1 signaling. Science, 2015, 350, 558-563.	12.6	163

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19	Vitamin D Switches BAF Complexes to Protect Î² Cells. Cell, 2018, 173, 1135-1149.e15.	28.9	162
20	PPARÎ´ Promotes Running Endurance by Preserving Glucose. Cell Metabolism, 2017, 25, 1186-1193.e4.	16.2	154
21	ERRÎ³ Is Required for the Metabolic Maturation of Therapeutically Functional Glucose-Responsive Î²ÂCells. Cell Metabolism, 2016, 23, 622-634.	16.2	139
22	Circadian Amplitude Regulation via FBXW7-Targeted REV-ERBÎ± Degradation. Cell, 2016, 165, 1644-1657.	28.9	130
23	Inhibition of IKKÉ› and TBK1 Improves Glucose Control in a Subset of Patients with Type 2 Diabetes. Cell Metabolism, 2017, 26, 157-170.e7.	16.2	127
24	Stromal cues regulate the pancreatic cancer epigenome and metabolome. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1129-1134.	7.1	125
25	Metabolic control of regulatory T cell (Treg) survival and function by Lkb1. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12542-12547.	7.1	115
26	Neutralization of Oxidized Phospholipids Ameliorates Non-alcoholic Steatohepatitis. Cell Metabolism, 2020, 31, 189-206.e8.	16.2	113
27	ERRs Mediate a Metabolic Switch Required for Somatic Cell Reprogramming to Pluripotency. Cell Stem Cell, 2015, 16, 547-555.	11.1	109
28	Obesity alters pathology and treatment response in inflammatory disease. Nature, 2022, 604, 337-342.	27.8	93
29	Circadian repressors CRY1 and CRY2 broadly interact with nuclear receptors and modulate transcriptional activity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8776-8781.	7.1	84
30	Circadian clock cryptochrome proteins regulate autoimmunity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12548-12553.	7.1	84
31	CRY1/2 Selectively Repress PPARÎ´ and Limit Exercise Capacity. Cell Metabolism, 2017, 26, 243-255.e6.	16.2	83
32	A subcutaneous adipose tissueâ€“liver signalling axis controls hepatic gluconeogenesis. Nature Communications, 2015, 6, 6047.	12.8	75
33	Use of Angiotensin System Inhibitors Is Associated with Immune Activation and Longer Survival in Nonmetastatic Pancreatic Ductal Adenocarcinoma. Clinical Cancer Research, 2017, 23, 5959-5969.	7.0	75
34	FGF1 â€" a new weapon to control type 2 diabetes mellitus. Nature Reviews Endocrinology, 2017, 13, 599-609.	9.6	74
35	Effective treatment of steatosis and steatohepatitis by fibroblast growth factor 1 in mouse models of nonalcoholic fatty liver disease. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2288-2293.	7.1	60
36	The nuclear receptor REV-ERBÎ± modulates Th17 cell-mediated autoimmune disease. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18528-18536.	7.1	60

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37	ERRÎ³ Promotes Angiogenesis, Mitochondrial Biogenesis, and Oxidative Remodeling in PGC1Î±/Î²-Deficient Muscle. Cell Reports, 2018, 22, 2521-2529.	6.4	58
38	FGF21 promotes thermogenic gene expression as an autocrine factor in adipocytes. Cell Reports, 2021, 35, 109331.	6.4	55
39	Structural basis for specific ligation of the peroxisome proliferator-activated receptor Î´. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2563-E2570.	7.1	52
40	High-fat diet and FGF21 cooperatively promote aerobic thermogenesis in mtDNA mutator mice. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8714-8719.	7.1	47
41	Dependence of Hippocampal Function on ERRÎ³-Regulated Mitochondrial Metabolism. Cell Metabolism, 2015, 21, 628-636.	16.2	45
42	Calcipotriol Targets LRP6 to Inhibit Wnt Signaling in Pancreatic Cancer. Molecular Cancer Research, 2015, 13, 1509-1519.	3.4	42
43	Î²3-Adrenergic receptor downregulation leads to adipocyte catecholamine resistance in obesity. Journal of Clinical Investigation, 2022, 132, .	8.2	42
44	Triptolide targets super-enhancer networks in pancreatic cancer cells and cancer-associated fibroblasts. Oncogenesis, 2020, 9, 100.	4.9	39
45	Re-engineering the Pancreas Tumor Microenvironment: A "Regenerative Program" Hacked. Clinical Cancer Research, 2017, 23, 1647-1655.	7.0	36
46	Genomic and Epigenomic Landscaping Defines New Therapeutic Targets for Adenosquamous Carcinoma of the Pancreas. Cancer Research, 2020, 80, 4324-4334.	0.9	36
47	Glycogen metabolism links glucose homeostasis to thermogenesis in adipocytes. Nature, 2021, 599, 296-301.	27.8	36
48	FGF1 and insulin control lipolysis by convergent pathways. Cell Metabolism, 2022, 34, 171-183.e6.	16.2	36
49	Reprogramming pancreatic stellate cells via p53 activation: A putative target for pancreatic cancer therapy. PLoS ONE, 2017, 12, e0189051.	2.5	31
50	Ketogenic diet and chemotherapy combine to disrupt pancreatic cancer metabolism and growth. Med, 2022, 3, 119-136.e8.	4.4	31
51	ERRÎ³ Preserves Brown Fat Innate Thermogenic Activity. Cell Reports, 2018, 22, 2849-2859.	6.4	30
52	Catecholamines suppress fatty acid re-esterification and increase oxidation in white adipocytes via STAT3. Nature Metabolism, 2020, 2, 620-634.	11.9	25
53	YIPF6 controls sorting of FGF21 into COPII vesicles and promotes obesity. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15184-15193.	7.1	24
54	Barx2 and Pax7 Regulate Axin2 Expression in Myoblasts by Interaction with Î²-Catenin and Chromatin Remodelling. Stem Cells, 2016, 34, 2169-2182.	3.2	20

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55	Bile Acid Analog Intercepts Liver Fibrosis. Cell, 2016, 166, 789.	28.9	19
56	Targeting Transcriptional and Epigenetic Reprogramming in Stromal Cells in Fibrosis and Cancer. Cold Spring Harbor Symposia on Quantitative Biology, 2015, 80, 249-255.	1.1	18
57	NCoR1 restrains thymic negative selection by repressing Bim expression to spare thymocytes undergoing positive selection. Nature Communications, 2017, 8, 959.	12.8	17
58	Bisphenol A derivatives act as novel coactivator-binding inhibitors for estrogen receptor Î². Journal of Biological Chemistry, 2021, 297, 101173.	3.4	15
59	BRD9 regulates interferon-stimulated genes during macrophage activation via cooperation with BET protein BRD4. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	15
60	Intestinal Î±1-2-Fucosylation Contributes to Obesity and Steatohepatitis in Mice. Cellular and Molecular Gastroenterology and Hepatology, 2021, 12, 293-320.	4.5	14
61	Daily running enhances molecular and physiological circadian rhythms in skeletal muscle. Molecular Metabolism, 2022, 61, 101504.	6.5	14
62	Î²-catenin is essential for differentiation of primary myoblasts via cooperation with MyoD and Î±-catenin. Development (Cambridge), 2019, 146, .	2.5	13
63	Bromodomain containing 9 (BRD9) regulates macrophage inflammatory responses by potentiating glucocorticoid receptor activity. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	12
64	Corepressor SMRT is required to maintain Hox transcriptional memory during somitogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10381-10386.	7.1	10
65	Methylome, transcriptome, and PPARÎ³ cistrome analyses reveal two epigenetic transitions in fat cells. Epigenetics, 2014, 9, 1195-1206.	2.7	9
66	Estrogen-Related Receptor Î³ Maintains Pancreatic Acinar Cell Function and Identity by Regulating Cellular Metabolism. Gastroenterology, 2022, 163, 239-256.	1.3	7
67	Staying the Distance: Avoiding the Proteasomal Trap. Cancer Cell, 2008, 13, 184-185.	16.8	1
68	An S116R Phosphorylation Site Mutation in Human Fibroblast Growth Factor-1 Differentially Affects Mitogenic and Glucose-Lowering Activities. Journal of Pharmaceutical Sciences, 2016, 105, 3507-3519.	3.3	1
69	Proton pump inhibitor use status does not modify the microbiome signature for cirrhosis. Cell Metabolism, 2021, 33, 457.	16.2	1
70	PS21 - 100. A PPAR -FGF1 axis is required for adaptive adipose remodelling and metabolic homeostasis. Nederlands Tijdschrift Voor Diabetologie, 2012, 10, 170-170.	0.0	0