

Brian T Layden

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

2,719
citations

218677

26
h-index

214800

47
g-index

70
all docs

70
docs citations

70
times ranked

4793
citing authors

#	ARTICLE	IF	CITATIONS
1	Hexokinase domain-containing protein-1 in metabolic diseases and beyond. <i>Trends in Endocrinology and Metabolism</i> , 2022, 33, 72-84.	7.1	13
2	Gestational Insulin Resistance Is Mediated by the Gut Microbiome's Indoleamine 2,3-Dioxygenase Axis. <i>Gastroenterology</i> , 2022, 162, 1675-1689.e11.	1.3	14
3	Hexokinase 1 cellular localization regulates the metabolic fate of glucose. <i>Molecular Cell</i> , 2022, 82, 1261-1277.e9.	9.7	42
4	Enterocyte HKDC1 Modulates Intestinal Glucose Absorption in Male Mice Fed a High-fat Diet. <i>Endocrinology</i> , 2022, 163, .	2.8	2
5	Utility of silhouette showcards to assess adiposity in three countries across the epidemiological transition. <i>PLOS Global Public Health</i> , 2022, 2, e0000127.	1.6	0
6	Discovery of Nonlipogenic ABCA1 Inducing Compounds with Potential in Alzheimer's Disease and Type 2 Diabetes. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 143-154.	4.9	17
7	Systemic Metabolic Alterations Correlate with Islet-Level Prostaglandin E2 Production and Signaling Mechanisms That Predict β -Cell Dysfunction in a Mouse Model of Type 2 Diabetes. <i>Metabolites</i> , 2021, 11, 58.	2.9	16
8	Hepatocyte-Specific Loss of PPAR γ Protects Mice From NASH and Increases the Therapeutic Effects of Rosiglitazone in the Liver. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 11, 1291-1311.	4.5	32
9	Metabolomic analysis of a selective ABCA1 inducer in obesogenic challenge provides a rationale for therapeutic development. <i>EBioMedicine</i> , 2021, 66, 103287.	6.1	11
10	Metabolomic profile associated with obstructive sleep apnoea severity in obese pregnant women with gestational diabetes mellitus: A pilot study. <i>Journal of Sleep Research</i> , 2021, 30, e13327.	3.2	8
11	FFAR from the Gut Microbiome Crowd: SCFA Receptors in T1D Pathology. <i>Metabolites</i> , 2021, 11, 302.	2.9	9
12	MiMeNet: Exploring microbiome-metabolome relationships using neural networks. <i>PLoS Computational Biology</i> , 2021, 17, e1009021.	3.2	42
13	The Role of Hexokinase Domain Containing Protein-1 in Glucose Regulation During Pregnancy. <i>Current Diabetes Reports</i> , 2021, 21, 27.	4.2	2
14	Cooperation between host immunity and the gut bacteria is essential for helminth-evoked suppression of colitis. <i>Microbiome</i> , 2021, 9, 186.	11.1	28
15	Vagal neuron expression of the microbiota-derived metabolite receptor, free fatty acid receptor (FFAR3), is necessary for normal feeding behavior. <i>Molecular Metabolism</i> , 2021, 54, 101350.	6.5	34
16	Expression of Free Fatty Acid Receptor 2 by Dendritic Cells Prevents Their Expression of Interleukin 27 and Is Required for Maintenance of Mucosal Barrier and Immune Response Against Colorectal Tumors in Mice. <i>Gastroenterology</i> , 2020, 158, 1359-1372.e9.	1.3	54
17	Feasibility of Inpatient Continuous Glucose Monitoring During the COVID-19 Pandemic: Early Experience. <i>Diabetes Care</i> , 2020, 43, e137-e138.	8.6	43
18	Acetate coordinates neutrophil and ILC3 responses against <i>C. difficile</i> through FFAR2. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	116

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19	Identification of a periodontal pathogen and bihormonal cells in pancreatic islets of humans and a mouse model of periodontitis. <i>Scientific Reports</i> , 2020, 10, 9976.	3.3	18
20	Free fatty acid receptor 3 differentially contributes to β -cell compensation under high-fat diet and streptozotocin stress. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 318, R691-R700.	1.8	13
21	The human microbiota is associated with cardiometabolic risk across the epidemiologic transition. <i>PLoS ONE</i> , 2019, 14, e0215262.	2.5	29
22	Metabolite-Sensing Receptor Ffar2 Regulates Colonic Group 3 Innate Lymphoid Cells and Gut Immunity. <i>Immunity</i> , 2019, 51, 871-884.e6.	14.3	203
23	Sodium-glucose co-transporter 2 inhibitors and the risk of fractures: A propensity score-matched cohort study. <i>Pharmacoepidemiology and Drug Safety</i> , 2019, 28, 1629-1639.	1.9	21
24	Predictors of Obesity among Gut Microbiota Biomarkers in African American Men with and without Diabetes. <i>Microorganisms</i> , 2019, 7, 320.	3.6	27
25	Oxytocin alterations and neurocognitive domains in patients with hypopituitarism. <i>Pituitary</i> , 2019, 22, 105-112.	2.9	6
26	Hepatic hexokinase domain containing 1 (HKDC1) improves whole body glucose tolerance and insulin sensitivity in pregnant mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 678-687.	3.8	21
27	Hepatic HKDC1 Expression Contributes to Liver Metabolism. <i>Endocrinology</i> , 2019, 160, 313-330.	2.8	40
28	Increased risk of mycotic infections associated with sodium-glucose co-transporter 2 inhibitors: a prescription sequence symmetry analysis. <i>British Journal of Clinical Pharmacology</i> , 2019, 85, 160-168.	2.4	22
29	Studies on the Tissue Localization of HKDC1, a Putative Novel Fifth Hexokinase, in Humans. <i>Journal of Histochemistry and Cytochemistry</i> , 2018, 66, 385-392.	2.5	21
30	Surgical Treatment of Obesity in Latinos and African Americans: Future Directions and Recommendations to Reduce Disparities in Bariatric Surgery. <i>Bariatric Surgical Patient Care</i> , 2018, 13, 2-11.	0.5	12
31	Inhibition of mTOR complexes protects cancer cells from glutamine starvation induced cell death by restoring Akt stability. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 2040-2052.	3.8	8
32	Decreased microbial co-occurrence network stability and SCFA receptor level correlates with obesity in African-origin women. <i>Scientific Reports</i> , 2018, 8, 17135.	3.3	42
33	Gut microbial features can predict host phenotype response to protein deficiency. <i>Physiological Reports</i> , 2018, 6, e13932.	1.7	17
34	More evening preference is positively associated with systemic inflammation in prediabetes and type 2 diabetes patients. <i>Scientific Reports</i> , 2018, 8, 15882.	3.3	20
35	Gut Microbiota: FFAR Reaching Effects on Islets. <i>Endocrinology</i> , 2018, 159, 2495-2505.	2.8	32
36	Risk of amputations associated with SGLT2 inhibitors compared to DPP-4 inhibitors: A propensity-matched cohort study. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 2792-2799.	4.4	52

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37	Gut microbiota, short chain fatty acids, and obesity across the epidemiologic transition: the METS-Microbiome study protocol. BMC Public Health, 2018, 18, 978.	2.9	32
38	The Association of Dietary Fiber Intake with Cardiometabolic Risk in Four Countries across the Epidemiologic Transition. Nutrients, 2018, 10, 628.	4.1	33
39	Role of Short Chain Fatty Acid Receptors in Intestinal Physiology and Pathophysiology. , 2018, 8, 1091-1115.		141
40	Autophagy Differentially Regulates Insulin Production and Insulin Sensitivity. Cell Reports, 2018, 23, 3286-3299.	6.4	102
41	Oxytocin is lower in African American men with diabetes and associates with psycho-social and metabolic health factors. PLoS ONE, 2018, 13, e0190301.	2.5	15
42	Incretin-Based Therapies: Revisiting Their Mode of Action. Endocrinology, 2017, 158, 1560-1563.	2.8	1
43	Continuous Glucose Monitoring: A Perspective on Its Past, Present, and Future Applications for Diabetes Management. Clinical Diabetes, 2017, 35, 60-65.	2.2	18
44	Homology Modeling of Ffa2 Identifies Novel Agonists that Potentiate Insulin Secretion. Journal of Investigative Medicine, 2017, 65, 1116-1124.	1.6	13
45	Protein kinase A induces UCP1 expression in specific adipose depots to increase energy expenditure and improve metabolic health. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R79-R88.	1.8	34
46	Extreme Insulin Resistance in Critically Ill Patient With Sepsis. Clinical Diabetes, 2016, 34, 158-160.	2.2	6
47	Loss of Free Fatty Acid Receptor 2 leads to impaired islet mass and beta cell survival. Scientific Reports, 2016, 6, 28159.	3.3	33
48	SCFA Receptors in Pancreatic β Cells: Novel Diabetes Targets?. Trends in Endocrinology and Metabolism, 2016, 27, 653-664.	7.1	87
49	HKDC1 Is a Novel Hexokinase Involved in Whole-Body Glucose Use. Endocrinology, 2016, 157, 3452-3461.	2.8	58
50	Long-term activation of PKA in β -cells provides sustained improvement to glucose control, insulin sensitivity and body weight. Islets, 2016, 8, 125-134.	1.8	2
51	β -crystallin and HspB2 deficiency is protective from diet-induced glucose intolerance. Genomics Data, 2016, 9, 10-17.	1.3	3
52	The obese gut microbiome across the epidemiologic transition. Emerging Themes in Epidemiology, 2016, 13, 2.	2.7	40
53	Obesity-related metabolite profiles of black women spanning the epidemiologic transition. Metabolomics, 2016, 12, 1.	3.0	11
54	FFA2 Contribution to Gestational Glucose Tolerance Is Not Disrupted by Antibiotics. PLoS ONE, 2016, 11, e0167837.	2.5	6

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55	Coordinated regulatory variation associated with gestational hyperglycaemia regulates expression of the novel hexokinase HKDC1. <i>Nature Communications</i> , 2015, 6, 6069.	12.8	83
56	New Insights Into Gestational Glucose Metabolism: Lessons Learned From 21st Century Approaches. <i>Diabetes</i> , 2015, 64, 327-334.	0.6	114
57	An Acetate-Specific GPCR, FFAR2, Regulates Insulin Secretion. <i>Molecular Endocrinology</i> , 2015, 29, 1055-1066.	3.7	139
58	FFAR3 modulates insulin secretion and global gene expression in mouse islets. <i>Islets</i> , 2015, 7, e1045182.	1.8	62
59	The short-chain fatty acid receptor, FFA2, contributes to gestational glucose homeostasis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E840-E851.	3.5	57
60	PKA Enhances the Acute Insulin Response Leading to the Restoration of Glucose Control. <i>Diabetes</i> , 2015, 64, 1688-1697.	0.6	8
61	Maternal short-chain fatty acids are associated with metabolic parameters in mothers and newborns. <i>Translational Research</i> , 2014, 164, 153-157.	5.0	73
62	Identification of <i>HKDC1</i> and <i>BACE2</i> as Genes Influencing Glycemic Traits During Pregnancy Through Genome-Wide Association Studies. <i>Diabetes</i> , 2013, 62, 3282-3291.	0.6	119
63	Short chain fatty acids and their receptors: new metabolic targets. <i>Translational Research</i> , 2013, 161, 131-140.	5.0	251
64	Primary hyperaldosteronism: challenges in subtype classification. <i>BMC Research Notes</i> , 2012, 5, 602.	1.4	7
65	Negative association of acetate with visceral adipose tissue and insulin levels. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2012, 5, 49.	2.4	45
66	G Protein Coupled Receptors in Embryonic Stem Cells: A Role for Gs-Alpha Signaling. <i>PLoS ONE</i> , 2010, 5, e9105.	2.5	37
67	Acute Lymphoblastic Leukemia in a Patient with Chronic Cyanoacrylate Exposure. <i>Acta Haematologica</i> , 2007, 118, 242-243.	1.4	2