

# Thomas A Buchanan

## List of Publications by Year in descending order

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34  
papers

2,449  
citations

430874

18  
h-index

395702

33  
g-index

36  
all docs

36  
docs citations

36  
times ranked

3999  
citing authors

#	ARTICLE	IF	CITATIONS
1	The trans-ancestral genomic architecture of glycemic traits. <i>Nature Genetics</i> , 2021, 53, 840-860.	21.4	341
2	Association of Maternal Diabetes With Autism in Offspring. <i>JAMA - Journal of the American Medical Association</i> , 2015, 313, 1425.	7.4	274
3	Pancreatic B-Cell Defects in Gestational Diabetes: Implications for the Pathogenesis and Prevention of Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001, 86, 989-993.	3.6	273
4	Multi-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation. <i>Nature Genetics</i> , 2022, 54, 560-572.	21.4	250
5	Aerobic and resistance exercise improves physical fitness, bone health, and quality of life in overweight and obese breast cancer survivors: a randomized controlled trial. <i>Breast Cancer Research</i> , 2018, 20, 124.	5.0	153
6	Metabolic Contrasts Between Youth and Adults With Impaired Glucose Tolerance or Recently Diagnosed Type 2 Diabetes: I. Observations Using the Hyperglycemic Clamp. <i>Diabetes Care</i> , 2018, 41, 1696-1706.	8.6	127
7	Trans-ethnic kidney function association study reveals putative causal genes and effects on kidney-specific disease aetiologies. <i>Nature Communications</i> , 2019, 10, 29.	12.8	113
8	Impact of Insulin and Metformin Versus Metformin Alone on $\beta$ -Cell Function in Youth With Impaired Glucose Tolerance or Recently Diagnosed Type 2 Diabetes. <i>Diabetes Care</i> , 2018, 41, 1717-1725.	8.6	112
9	Pancreatic beta-cell loss and preservation in type 2 diabetes. <i>Clinical Therapeutics</i> , 2003, 25, B32-B46.	2.5	111
10	A Genome-Wide Association Study of IVGTT-Based Measures of First-Phase Insulin Secretion Refines the Underlying Physiology of Type 2 Diabetes Variants. <i>Diabetes</i> , 2017, 66, 2296-2309.	0.6	102
11	Maternal Gestational Diabetes Mellitus, Type 1 Diabetes, and Type 2 Diabetes During Pregnancy and Risk of ADHD in Offspring. <i>Diabetes Care</i> , 2018, 41, 2502-2508.	8.6	93
12	Genetic Variants Associated With Quantitative Glucose Homeostasis Traits Translate to Type 2 Diabetes in Mexican Americans: The GUARDIAN (Genetics Underlying Diabetes in Hispanics) Consortium. <i>Diabetes</i> , 2015, 64, 1853-1866.	0.6	77
13	Children Exposed to Maternal Obesity or Gestational Diabetes Mellitus During Early Fetal Development Have Hypothalamic Alterations That Predict Future Weight Gain. <i>Diabetes Care</i> , 2019, 42, 1473-1480.	8.6	74
14	Gestational Diabetes Mellitus, Maternal Obesity, and Adiposity in Offspring. <i>Journal of Pediatrics</i> , 2014, 164, 807-810.	1.8	68
15	Effect of Aerobic and Resistance Exercise Intervention on Cardiovascular Disease Risk in Women With Early-Stage Breast Cancer. <i>JAMA Oncology</i> , 2019, 5, 710.	7.1	43
16	Adiposity-Independent Effects of Aging on Insulin Sensitivity and Clearance in Mice and Humans. <i>Obesity</i> , 2019, 27, 434-443.	3.0	34
17	The Association of Estrogen Receptor- $\beta$ Gene Variation With Salt-Sensitive Blood Pressure. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 4124-4135.	3.6	32
18	High Calorie Intake Is Associated With Worsening Insulin Resistance and $\beta$ -Cell Function in Hispanic Women After Gestational Diabetes Mellitus. <i>Diabetes Care</i> , 2014, 37, 3294-3300.	8.6	26

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19	Aerobic and Resistance Exercise Improves Shoulder Function in Women Who Are Overweight or Obese and Have Breast Cancer: A Randomized Controlled Trial. <i>Physical Therapy</i> , 2019, 99, 1334-1345.	2.4	20
20	Hispanic ethnicity as a moderator of the effects of aerobic and resistance exercise in survivors of breast cancer. <i>Cancer</i> , 2019, 125, 910-920.	4.1	17
21	Classification of Type 2 Diabetes Genetic Variants and a Novel Genetic Risk Score Association With Insulin Clearance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 1251-1260.	3.6	15
22	Hispanic ethnicity as a moderator of the effects of aerobic and resistance exercise on physical fitness and quality-of-life in breast cancer survivors. <i>Journal of Cancer Survivorship</i> , 2021, 15, 127-139.	2.9	15
23	Aerobic and resistance exercise improve patient-reported sleep quality and is associated with cardiometabolic biomarkers in Hispanic and non-Hispanic breast cancer survivors who are overweight or obese: results from a secondary analysis. <i>Sleep</i> , 2021, 44, .	1.1	14
24	Î²â€œcells in youth with impaired glucose tolerance or early type 2 diabetes secrete more insulin and are more responsive than in adults. <i>Pediatric Diabetes</i> , 2020, 21, 1421-1429.	2.9	13
25	Monitoring Twitter Conversations for Targeted Recruitment in Cancer Trials in Los Angeles County: Protocol for a Mixed-Methods Pilot Study. <i>JMIR Research Protocols</i> , 2018, 7, e177.	1.0	10
26	Hyperglucagonemia Does Not Explain the Î²-Cell Hyperresponsiveness and Insulin Resistance in Dysglycemic Youth Compared With Adults: Lessons From the RISE Study. <i>Diabetes Care</i> , 2021, 44, 1961-1969.	8.6	9
27	Genome-wide association study of body fat distribution traits in Hispanics/Latinos from the HCHS/SOL. <i>Human Molecular Genetics</i> , 2021, 30, 2190-2204.	2.9	8
28	Withdrawal of medications leads to worsening of <scp>OGTT</scp> parameters in youth with impaired glucose tolerance or <scp>recentlyâ€œdiagnosed</scp> type 2 diabetes. <i>Pediatric Diabetes</i> , 2020, 21, 1437-1446.	2.9	7
29	Improved Performance of Dynamic Measures of Insulin Response Over Surrogate Indices to Identify Genetic Contributors of Type 2 Diabetes: The GUARDIAN Consortium. <i>Diabetes</i> , 2016, 65, 2072-2080.	0.6	4
30	Precision and accuracy of hyperglycemic clamps in a multicenter study. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E797-E807.	3.5	4
31	Preventing type 2 diabetes with low-dose combinations. <i>Lancet</i> , The, 2010, 376, 72-74.	13.7	3
32	Ancestral diversity improves discovery and fine-mapping of genetic loci for anthropometric traitsâ€œThe Hispanic/Latino Anthropometry Consortium. <i>Human Genetics and Genomics Advances</i> , 2022, 3, 100099.	1.7	3
33	Using Patient-Generated Health Data From Twitter to Identify, Engage, and Recruit Cancer Survivors in Clinical Trials in Los Angeles County: Evaluation of a Feasibility Study. <i>JMIR Formative Research</i> , 2021, 5, e29958.	1.4	2
34	Liver Fat Reduction After Gastric Banding and Associations with Changes in Insulin Sensitivity and Î²â€œCell Function. <i>Obesity</i> , 2021, 29, 1155-1163.	3.0	2