Michael Roden

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1533309/publications.pdf

Version: 2024-02-01

355 papers	33,459 citations	6254 80 h-index	4885 168 g-index
384 all docs	384 docs citations	384 times ranked	44192 citing authors

#	Article	IF	Citations
1	New genetic loci implicated in fasting glucose homeostasis and their impact on type 2 diabetes risk. Nature Genetics, 2010, 42, 105-116.	21.4	1,982
2	Large-scale association analysis provides insights into the genetic architecture and pathophysiology of type 2 diabetes. Nature Genetics, 2012, 44, 981-990.	21.4	1,748
3	Twelve type 2 diabetes susceptibility loci identified through large-scale association analysis. Nature Genetics, 2010, 42, 579-589.	21.4	1,631
4	Systematic identification of trans eQTLs as putative drivers of known disease associations. Nature Genetics, 2013, 45, 1238-1243.	21.4	1,544
5	Statin-associated muscle symptoms: impact on statin therapyâ€"European Atherosclerosis Society Consensus Panel Statement on Assessment, Aetiology and Management. European Heart Journal, 2015, 36, 1012-1022.	2.2	1,024
6	Genome-wide trans-ancestry meta-analysis provides insight into the genetic architecture of type 2 diabetes susceptibility. Nature Genetics, 2014, 46, 234-244.	21.4	959
7	The genetic architecture of type 2 diabetes. Nature, 2016, 536, 41-47.	27.8	952
8	Identification of Serum Metabolites Associated With Risk of Type 2 Diabetes Using a Targeted Metabolomic Approach. Diabetes, 2013, 62, 639-648.	0.6	820
9	Epigenome-wide association study of body mass index, and the adverse outcomes of adiposity. Nature, 2017, 541, 81-86.	27.8	743
10	Adaptation of Hepatic Mitochondrial Function in Humans with Non-Alcoholic Fatty Liver Is Lost in Steatohepatitis. Cell Metabolism, 2015, 21, 739-746.	16.2	706
11	NAFLD and diabetes mellitus. Nature Reviews Gastroenterology and Hepatology, 2017, 14, 32-42.	17.8	687
12	The integrative biology of type 2 diabetes. Nature, 2019, 576, 51-60.	27.8	621
13	An Expanded Genome-Wide Association Study of Type 2 Diabetes in Europeans. Diabetes, 2017, 66, 2888-2902.	0.6	615
14	Increased Glucose Transportâ€"Phosphorylation and Muscle Glycogen Synthesis after Exercise Training in Insulin-Resistant Subjects. New England Journal of Medicine, 1996, 335, 1357-1362.	27.0	585
15	The role of mitochondria in insulin resistance and type 2 diabetes mellitus. Nature Reviews Endocrinology, 2012, 8, 92-103.	9.6	471
16	Identification of IRS-1 Ser-1101 as a target of S6K1 in nutrient- and obesity-induced insulin resistance. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14056-14061.	7.1	395
17	Common Variants at 10 Genomic Loci Influence Hemoglobin A1C Levels via Glycemic and Nonglycemic Pathways. Diabetes, 2010, 59, 3229-3239.	0.6	387
18	Empagliflozin monotherapy with sitagliptin as an active comparator in patients with type 2 diabetes: a randomised, double-blind, placebo-controlled, phase 3 trial. Lancet Diabetes and Endocrinology,the, 2013, 1, 208-219.	11.4	371

#	Article	IF	Citations
19	Genetic fine mapping and genomic annotation defines causal mechanisms at type 2 diabetes susceptibility loci. Nature Genetics, 2015, 47, 1415-1425.	21.4	365
20	Risk of diabetes-associated diseases in subgroups of patients with recent-onset diabetes: a 5-year follow-up study. Lancet Diabetes and Endocrinology,the, 2019, 7, 684-694.	11.4	364
21	The complex link between NAFLD and type 2 diabetes mellitus â€" mechanisms and treatments. Nature Reviews Gastroenterology and Hepatology, 2021, 18, 599-612.	17.8	346
22	Mechanism of Amino Acid-Induced Skeletal Muscle Insulin Resistance in Humans. Diabetes, 2002, 51, 599-605.	0.6	338
23	Mechanisms of Disease: hepatic steatosis in type 2 diabetesâ€"pathogenesis and clinical relevance. Nature Clinical Practice Endocrinology and Metabolism, 2006, 2, 335-348.	2.8	330
24	Advancing the global public health agenda for NAFLD: a consensus statement. Nature Reviews Gastroenterology and Hepatology, 2022, 19, 60-78.	17.8	330
25	Role of diacylglycerol activation of PKCÎ¸ in lipid-induced muscle insulin resistance in humans. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9597-9602.	7.1	326
26	Overactivation of S6 Kinase 1 as a Cause of Human Insulin Resistance During Increased Amino Acid Availability. Diabetes, 2005, 54, 2674-2684.	0.6	320
27	Early Detection of Nerve Fiber Loss by Corneal Confocal Microscopy and Skin Biopsy in Recently Diagnosed Type 2 Diabetes. Diabetes, 2014, 63, 2454-2463.	0.6	270
28	Alterations in Postprandial Hepatic Glycogen Metabolism in Type 2 Diabetes. Diabetes, 2004, 53, 3048-3056.	0.6	267
29	Multi-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation. Nature Genetics, 2022, 54, 560-572.	21.4	250
30	Vascular effects of advanced glycation endproducts: Clinical effects and molecular mechanisms. Molecular Metabolism, 2014, 3, 94-108.	6.5	248
31	Muscle Mitochondrial ATP Synthesis and Glucose Transport/Phosphorylation in Type 2 Diabetes. PLoS Medicine, 2007, 4, e154.	8.4	216
32	Specific Hepatic Sphingolipids Relate to Insulin Resistance, Oxidative Stress, and Inflammation in Nonalcoholic Steatohepatitis. Diabetes Care, 2018, 41, 1235-1243.	8.6	203
33	Intake of Lactobacillus reuteri Improves Incretin and Insulin Secretion in Glucose-Tolerant Humans: A Proof of Concept. Diabetes Care, 2015, 38, 1827-1834.	8.6	194
34	Isocaloric Diets High in Animal or Plant Protein Reduce Liver Fat and Inflammation in Individuals With Type 2 Diabetes. Gastroenterology, 2017, 152, 571-585.e8.	1.3	194
35	Empagliflozin Effectively Lowers Liver Fat Content in Well-Controlled Type 2 Diabetes: A Randomized, Double-Blind, Phase 4, Placebo-Controlled Trial. Diabetes Care, 2020, 43, 298-305.	8.6	185
36	Liver ATP Synthesis Is Lower and Relates to Insulin Sensitivity in Patients With Type 2 Diabetes. Diabetes Care, 2011, 34, 448-453.	8.6	177

#	Article	IF	Citations
37	Nonalcoholic steatohepatitis: the role of peroxisome proliferator-activated receptors. Nature Reviews Gastroenterology and Hepatology, 2021, 18, 24-39.	17.8	174
38	Ectopic lipids and organ function. Current Opinion in Lipidology, 2009, 20, 50-56.	2.7	172
39	Abnormal hepatic energy homeostasis in type 2 diabetes. Hepatology, 2009, 50, 1079-1086.	7.3	166
40	Hepatic glucose metabolism in humansâ€"its role in health and disease. Best Practice and Research in Clinical Endocrinology and Metabolism, 2003, 17, 365-383.	4.7	163
41	Effects of Insulin Treatment in Type 2 Diabetic Patients on Intracellular Lipid Content in Liver and Skeletal Muscle. Diabetes, 2002, 51, 3025-3032.	0.6	157
42	Effects of supplemented isoenergetic diets differing in cereal fiber and protein content on insulin sensitivity in overweight humans. American Journal of Clinical Nutrition, 2011, 94, 459-471.	4.7	148
43	Acute dietary fat intake initiates alterations in energy metabolism and insulin resistance. Journal of Clinical Investigation, 2017, 127, 695-708.	8.2	148
44	International Consensus Based Review and Recommendations for Minimum Reporting Standards in Research on Transcutaneous Vagus Nerve Stimulation (Version 2020). Frontiers in Human Neuroscience, 2020, 14, 568051.	2.0	143
45	Emerging Biomarkers, Tools, and Treatments for Diabetic Polyneuropathy. Endocrine Reviews, 2019, 40, 153-192.	20.1	140
46	Interorgan Metabolic Crosstalk in Human Insulin Resistance. Physiological Reviews, 2018, 98, 1371-1415.	28.8	138
47	Nonalcoholic fatty liver disease (NAFLD) from pathogenesis to treatment concepts in humans. Molecular Metabolism, 2021, 50, 101122.	6.5	135
48	Increased Intramyocellular Lipid Concentration Identifies Impaired Glucose Metabolism in Women With Previous Gestational Diabetes. Diabetes, 2003, 52, 244-251.	0.6	132
49	Relationship between Serum Lipoprotein Ratios and Insulin Resistance in Obesity. Clinical Chemistry, 2004, 50, 2316-2322.	3.2	132
50	Alterations of Mitochondrial Function and Insulin Sensitivity in Human Obesity and Diabetes Mellitus. Annual Review of Nutrition, 2016, 36, 337-367.	10.1	127
51	Association Between Long-term Exposure to Air Pollution and Biomarkers Related to Insulin Resistance, Subclinical Inflammation, and Adipokines. Diabetes, 2016, 65, 3314-3326.	0.6	127
52	Mechanosensing by Î²1 integrin induces angiocrine signals for liver growth and survival. Nature, 2018, 562, 128-132.	27.8	126
53	Comparison of Liver Fat Indices for the Diagnosis of Hepatic Steatosis and Insulin Resistance. PLoS ONE, 2014, 9, e94059.	2.5	124
54	Mechanisms of Insulin Resistance in Primary and Secondary Nonalcoholic Fatty Liver. Diabetes, 2017, 66, 2241-2253.	0.6	124

#	Article	IF	Citations
55	Genetics of type 2 diabetes: pathophysiologic and clinical relevance. European Journal of Clinical Investigation, 2011, 41, 679-692.	3.4	120
56	Short-term dietary reduction of branched-chain amino acids reduces meal-induced insulin secretion and modifies microbiome composition in type 2 diabetes: a randomized controlled crossover trial. American Journal of Clinical Nutrition, 2019, 110, 1098-1107.	4.7	119
57	Accelerated Increase in Serum Interleukin-1 Receptor Antagonist Starts 6 Years Before Diagnosis of Type 2 Diabetes. Diabetes, 2010, 59, 1222-1227.	0.6	117
58	Cell Specific eQTL Analysis without Sorting Cells. PLoS Genetics, 2015, 11, e1005223.	3.5	115
59	Leveraging Cross-Species Transcription Factor Binding Site Patterns: From Diabetes Risk Loci to Disease Mechanisms. Cell, 2014, 156, 343-358.	28.9	113
60	The role of mitochondria in statinâ€induced myopathy. European Journal of Clinical Investigation, 2015, 45, 745-754.	3.4	110
61	Prediabetes and risk of mortality, diabetes-related complications and comorbidities: umbrella review of meta-analyses of prospective studies. Diabetologia, 2022, 65, 275-285.	6.3	110
62	How Free Fatty Acids Inhibit Glucose Utilization in Human Skeletal Muscle. Physiology, 2004, 19, 92-96.	3.1	109
63	A Meta-analysis of Gene Expression Signatures of Blood Pressure and Hypertension. PLoS Genetics, 2015, 11, e1005035.	3.5	107
64	Hepatic energy metabolism in human diabetes mellitus, obesity and non-alcoholic fatty liver disease. Molecular and Cellular Endocrinology, 2013, 379, 35-42.	3.2	105
65	Insulin resistance in type 1 diabetes mellitus. Metabolism: Clinical and Experimental, 2015, 64, 1629-1639.	3.4	103
66	Are Lifestyle Therapies Effective for NAFLD Treatment?. Trends in Endocrinology and Metabolism, 2019, 30, 701-709.	7.1	103
67	Mechanisms Underlying the Onset of Oral Lipidâ€"Induced Skeletal Muscle Insulin Resistance in Humans. Diabetes, 2013, 62, 2240-2248.	0.6	102
68	The Effect of a Diabetes-Specific Cognitive Behavioral Treatment Program (DIAMOS) for Patients With Diabetes and Subclinical Depression: Results of a Randomized Controlled Trial. Diabetes Care, 2015, 38, 551-560.	8.6	102
69	Evidence for a Direct Effect of the NAD+ Precursor Acipimox on Muscle Mitochondrial Function in Humans. Diabetes, 2015, 64, 1193-1201.	0.6	99
70	The Human Blood Metabolome-Transcriptome Interface. PLoS Genetics, 2015, 11, e1005274.	3.5	99
71	Inhibition of 11Î²-HSD1 with RO5093151 for non-alcoholic fatty liver disease: a multicentre, randomised, double-blind, placebo-controlled trial. Lancet Diabetes and Endocrinology,the, 2014, 2, 406-416.	11.4	98
72	Energy metabolism of white adipose tissue and insulin resistance in humans. European Journal of Clinical Investigation, 2018, 48, e13017.	3.4	98

#	Article	IF	Citations
73	Effects of Metformin on Metabolite Profiles and LDL Cholesterol in Patients With Type 2 Diabetes. Diabetes Care, 2015, 38, 1858-1867.	8.6	97
74	Cohort profile: the German Diabetes Study (GDS). Cardiovascular Diabetology, 2016, 15, 59.	6.8	97
75	Safety, tolerability and effects on cardiometabolic risk factors of empagliflozin monotherapy in drug-naÃ¯ve patients with type 2 diabetes: a double-blind extension of a Phase III randomized controlled trial. Cardiovascular Diabetology, 2015, 14, 154.	6.8	96
76	Pancreatic adipose tissue infiltration, parenchymal steatosis and beta cell function in humans. Diabetologia, 2015, 58, 1646-1655.	6.3	93
77	Metabolic liver disease in diabetes â€“ From mechanisms to clinical trials. Metabolism: Clinical and Experimental, 2020, 111, 154299.	3.4	90
78	Increased lipid availability impairs insulin-stimulated ATP synthesis in human skeletal muscle. Diabetes, 2006, 55, 136-40.	0.6	89
79	Proinflammatory Cytokines Predict the Incidence and Progression of Distal Sensorimotor Polyneuropathy: KORA F4/FF4 Study. Diabetes Care, 2017, 40, 569-576.	8.6	88
80	Hypothalamic and Striatal Insulin Action Suppresses Endogenous Glucose Production and May Stimulate Glucose Uptake During Hyperinsulinemia in Lean but Not in Overweight Men. Diabetes, 2017, 66, 1797-1806.	0.6	87
81	Insulin resistance and insulin sensitizing agents. Metabolism: Clinical and Experimental, 2021, 125, 154892.	3.4	86
82	Chronic TNF-Î± Neutralization Does Not Improve Insulin Resistance or Endothelial Function in â€œHealthyâ€• Men with Metabolic Syndrome. Molecular Medicine, 2011, 17, 189-193.	4.4	85
83	Increased prevalence of cardiac autonomic dysfunction at different degrees of glucose intolerance in the general population: the KORA S4 survey. Diabetologia, 2015, 58, 1118-1128.	6.3	85
84	Ectopic fat and insulin resistance. Current Diabetes Reports, 2008, 8, 185-191.	4.2	83
85	Circulating Levels of Interleukin 1-Receptor Antagonist and Risk of Cardiovascular Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 1222-1227.	2.4	81
86	The role of metformin and thiazolidinediones in the regulation of hepatic glucose metabolism and its clinical impact. Trends in Pharmacological Sciences, 2011, 32, 607-616.	8.7	80
87	Immunological and Cardiometabolic Risk Factors in the Prediction of Type 2 Diabetes and Coronary Events: MONICA/KORA Augsburg Case-Cohort Study. PLoS ONE, 2011, 6, e19852.	2.5	80
88	Hepatic Glycogen Metabolism in Type 1 Diabetes After Long-Term Near Normoglycemia. Diabetes, 2002, 51, 49-54.	0.6	77
89	Discovery and Fine-Mapping of Glycaemic and Obesity-Related Trait Loci Using High-Density Imputation. PLoS Genetics, 2015, 11, e1005230.	3.5	77
90	Association of Subclinical Inflammation With Polyneuropathy in the Older Population. Diabetes Care, 2013, 36, 3663-3670.	8.6	76

#	Article	IF	Citations
91	Association between pro- and anti-inflammatory cytokines and depressive symptoms in patients with diabetesâ€”potential differences by diabetes type and depression scores. Translational Psychiatry, 2017, 7, 1.	4.8	75
92	Exosomal proteins constitute an essential part of the human adipose tissue secretome. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2019, 1867, 140172.	2.3	75
93	Free Fatty Acids Inhibit the Glucose-Stimulated Increase of Intramuscular Glucose-6-Phosphate Concentration in Humans1. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 2153-2160.	3.6	74
94	Defining comprehensive models of care for NAFLD. Nature Reviews Gastroenterology and Hepatology, 2021, 18, 717-729.	17.8	72
95	Analyzing Illumina Gene Expression Microarray Data from Different Tissues: Methodological Aspects of Data Analysis in the MetaXpress Consortium. PLoS ONE, 2012, 7, e50938.	2.5	71
96	Effects of Intranasal Insulin on Hepatic Fat Accumulation and Energy Metabolism in Humans. Diabetes, 2015, 64, 1966-1975.	0.6	70
97	Risk phenotypes of diabetes and association with COVID-19 severity and death: a living systematic review and meta-analysis. Diabetologia, 2021, 64, 1480-1491.	6.3	68
98	Prevention of in Vitro Lipolysis by Tetrahydrolipstatin. Clinical Chemistry, 2000, 46, 950-954.	3.2	67
99	Mitochondrial fitness and insulin sensitivity in humans. Diabetologia, 2008, 51, 2155-2167.	6.3	65
100	In vivo imaging of beta cells with radiotracers: state of the art, prospects and recommendations for development and use. Diabetologia, 2016, 59, 1340-1349.	6.3	65
101	Impaired Mitochondrial Function and Insulin Resistance of Skeletal Muscle in Mitochondrial Diabetes. Diabetes Care, 2009, 32, 677-679.	8.6	64
102	Specific Metabolic Profiles and Their Relationship to Insulin Resistance in Recent-Onset Type 1 and Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 2130-2140.	3.6	64
103	Perceived risk of diabetes seriously underestimates actual diabetes risk: The KORA FF4 study. PLoS ONE, 2017, 12, e0171152.	2.5	64
104	General and Abdominal Obesity and Incident Distal Sensorimotor Polyneuropathy: Insights Into Inflammatory Biomarkers as Potential Mediators in the KORA F4/FF4 Cohort. Diabetes Care, 2019, 42, 240-247.	8.6	64
105	Mitochondrial Plasticity in Obesity and Diabetes Mellitus. Antioxidants and Redox Signaling, 2013, 19, 258-268.	5.4	63
106	Indirect calorimetry in humans: a postcalorimetric evaluation procedure for correction of metabolic monitor variability. American Journal of Clinical Nutrition, 2013, 97, 763-773.	4.7	63
107	Leukocyte Profiles Differ Between Type 1 and Type 2 Diabetes and Are Associated With Metabolic Phenotypes: Results From the German Diabetes Study (GDS). Diabetes Care, 2014, 37, 2326-2333.	8.6	63
108	Short-Term Exercise Training Does Not Stimulate Skeletal Muscle ATP Synthesis in Relatives of Humans With Type 2 Diabetes. Diabetes, 2009, 58, 1333-1341.	0.6	62

#	Article	IF	Citations
109	Adiponectin may mediate the association between omentin, circulating lipids and insulin sensitivity: results from the KORA F4 study. European Journal of Endocrinology, 2015, 172, 423-432.	3.7	62
110	Plasma Concentrations of Afamin Are Associated With Prevalent and Incident Type 2 Diabetes: A Pooled Analysis in More Than 20,000 Individuals. Diabetes Care, 2017, 40, 1386-1393.	8.6	59
111	Association between Traffic-Related Air Pollution, Subclinical Inflammation and Impaired Glucose Metabolism: Results from the SALIA Study. PLoS ONE, 2013, 8, e83042.	2.5	59
112	Lipid-mediated muscle insulin resistance: different fat, different pathways?. Journal of Molecular Medicine, 2015, 93, 831-843.	3.9	57
113	Proinflammatory Cytokines, Adiponectin, and Increased Risk of Primary Cardiovascular Events in Diabetic Patients With or Without Renal Dysfunction: Results from the ESTHER study. Diabetes Care, 2013, 36, 1703-1711.	8.6	56
114	Patterns of cutaneous nerve fibre loss and regeneration in type 2 diabetes with painful and painless polyneuropathy. Diabetologia, 2017, 60, 2495-2503.	6.3	54
115	A novel diabetes typology: towards precision diabetology from pathogenesis to treatment. Diabetologia, 2022, 65, 1770-1781.	6.3	54
116	Biomarkers of iron metabolism are independently associated with impaired glucose metabolism and type 2 diabetes: the KORA F4 study. European Journal of Endocrinology, 2015, 173, 643-653.	3.7	53
117	Biomarkers of subclinical inflammation and increases in glycaemia, insulin resistance and beta-cell function in non-diabetic individuals: the Whitehall II study. European Journal of Endocrinology, 2016, 175, 367-377.	3.7	52
118	Reduction of non-esterified fatty acids improves insulin sensitivity and lowers oxidative stress, but fails to restore oxidative capacity in type 2 diabetes: a randomised clinical trial. Diabetologia, 2014, 57, 572-581.	6.3	51
119	Tissue-Specific Differences in the Development of Insulin Resistance in a Mouse Model for Type 1 Diabetes. Diabetes, 2014, 63, 3856-3867.	0.6	51
120	Inflammatory markers are associated with cardiac autonomic dysfunction in recent-onset type 2 diabetes. Heart, 2017, 103, 63-70.	2.9	51
121	Non-invasive assessment of hepatic fat accumulation in chronic hepatitis C by 1H magnetic resonance spectroscopy. European Journal of Radiology, 2010, 74, e60-e66.	2.6	50
122	Effects of High-Dose Simvastatin Therapy on Glucose Metabolism and Ectopic Lipid Deposition in Nonobese Type 2 Diabetic Patients. Diabetes Care, 2009, 32, 209-214.	8.6	49
123	Fatty Liver Index Predicts Further Metabolic Deteriorations in Women with Previous Gestational Diabetes. PLoS ONE, 2012, 7, e32710.	2.5	49
124	Adiponectin Trajectories Before Type 2 Diabetes Diagnosis. Diabetes Care, 2012, 35, 2540-2547.	8.6	48
125	Near-normoglycaemia and development of neuropathy: a 24-year prospective study from diagnosis of type 1 diabetes. BMJ Open, 2015, 5, e006559.	1.9	47
126	Dynamic changes of muscle insulin sensitivity after metabolic surgery. Nature Communications, 2019, 10, 4179.	12.8	47

#	Article	IF	Citations
127	Exercise training reduces intrahepatic lipid content in people with and people without nonalcoholic fatty liver. American Journal of Physiology - Endocrinology and Metabolism, 2018, 314, E165-E173.	3.5	46
128	Prediction of clamp-derived insulin sensitivity from the oral glucose insulin sensitivity index. Diabetologia, 2018, 61, 1135-1141.	6.3	45
129	Role of Patatin-Like Phospholipase Domainâ€“Containing 3 Gene for Hepatic Lipid Content and Insulin Resistance in Diabetes. Diabetes Care, 2020, 43, 2161-2168.	8.6	45
130	A Thr⁹⁴Ala mutation in human liver fatty acid-binding protein contributes to reduced hepatic glycogenolysis and blunted elevation of plasma glucose levels in lipid-exposed subjects. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E1078-E1084.	3.5	43
131	Impact of common regulatory single-nucleotide variants on gene expression profiles in whole blood. European Journal of Human Genetics, 2013, 21, 48-54.	2.8	43
132	Mitochondrial Function and Insulin Resistance during Aging â€“ A Mini-Review. Gerontology, 2011, 57, 387-396.	2.8	42
133	Body and Liver Fat Mass Rather Than Muscle Mitochondrial Function Determine Glucose Metabolism in Women With a History of Gestational Diabetes Mellitus. Diabetes Care, 2011, 34, 430-436.	8.6	42
134	The Janus Head of Oxidative Stress in Metabolic Diseases and During Physical Exercise. Current Diabetes Reports, 2017, 17, 41.	4.2	42
135	Adiponectin and Bariatric Surgery: Associations With Diabetes and Cardiovascular Disease in the Swedish Obese Subjects Study. Diabetes Care, 2014, 37, 1401-1409.	8.6	41
136	Genetic Determinants of Circulating Interleukin-1 Receptor Antagonist Levels and Their Association With Glycemic Traits. Diabetes, 2014, 63, 4343-4359.	0.6	40
137	Extensive alterations of the whole-blood transcriptome are associated with body mass index: results of an mRNA profiling study involving two large population-based cohorts. BMC Medical Genomics, 2015, 8, 65.	1.5	40
138	The Role of Markers of Low-Grade Inflammation for the Early Time Course of Glycemic Control, Glucose Disappearance Rate, and Î²-Cell Function in Recently Diagnosed Type 1 and Type 2 Diabetes. Diabetes Care, 2015, 38, 1758-1767.	8.6	40
139	Response to: Comment to â€œEASL-EASD-EASO Clinical Practice Guidelines for the management of non-alcoholic fatty liver diseaseâ€. Journal of Hepatology, 2017, 66, 466-467.	3.7	40
140	Longitudinal associations between ambient air pollution and insulin sensitivity: results from the KORA cohort study. Lancet Planetary Health, The, 2021, 5, e39-e49.	11.4	40
141	Adiponectin, markers of subclinical inflammation and nerve conduction in individuals with recently diagnosed type 1 and type 2 diabetes. European Journal of Endocrinology, 2016, 174, 433-443.	3.7	38
142	Metabolic disturbances of non-alcoholic fatty liver resemble the alterations typical for type 2 diabetes. Clinical Science, 2017, 131, 1905-1917.	4.3	38
143	A New Targeted Lipidomics Approach Reveals Lipid Droplets in Liver, Muscle and Heart as a Repository for Diacylglycerol and Ceramide Species in Non-Alcoholic Fatty Liver. Cells, 2019, 8, 277.	4.1	38
144	Protein markers and risk of type 2 diabetes and prediabetes: a targeted proteomics approach in the KORA F4/FF4 study. European Journal of Epidemiology, 2019, 34, 409-422.	5.7	37

#	Article	IF	Citations
145	Metaâ€analysis of genomeâ€wide DNA methylation and integrative omics of age in human skeletal muscle. Journal of Cachexia, Sarcopenia and Muscle, 2021, 12, 1064-1078.	7.3	37
146	Quantitative liver ³¹ P magnetic resonance spectroscopy at 3T on a clinical scanner. Magnetic Resonance in Medicine, 2014, 71, 1670-1675.	3.0	36
147	Differential Association Between Biomarkers of Subclinical Inflammation and Painful Polyneuropathy: Results From the KORA F4 Study. Diabetes Care, 2015, 38, 91-96.	8.6	36
148	Oxidative stress predicts progression of peripheral and cardiac autonomic nerve dysfunction over 6Âyears in diabetic patients. Acta Diabetologica, 2015, 52, 65-72.	2.5	36
149	Adiponectin, biomarkers of inflammation and changes in cardiac autonomic function: Whitehall II study. Cardiovascular Diabetology, 2017, 16, 153.	6.8	36
150	A Systemic Inflammatory Signature Reflecting Cross Talk Between Innate and Adaptive Immunity Is Associated With Incident Polyneuropathy: KORA F4/FF4 Study. Diabetes, 2018, 67, 2434-2442.	0.6	36
151	Differences in Biomarkers of Inflammation Between Novel Subgroups of Recent-Onset Diabetes. Diabetes, 2021, 70, 1198-1208.	0.6	36
152	Effect of Sfrp5 on Cytokine Release and Insulin Action in Primary Human Adipocytes and Skeletal Muscle Cells. PLoS ONE, 2014, 9, e85906.	2.5	36
153	Vasoregulatory peptides pro-endothelin-1 and pro-adrenomedullin are associated with metabolic syndrome in the population-based KORA F4 study. European Journal of Endocrinology, 2012, 167, 847-853.	3.7	35
154	Comparison of measuring energy metabolism by different ³¹Pâ€magnetic resonance spectroscopy techniques in resting, ischemic, and exercising muscle. Magnetic Resonance in Medicine, 2012, 67, 898-905.	3.0	35
155	Increased Intake of Carbohydrates from Sources with a Higher Glycemic Index and Lower Consumption of Whole Grains during Puberty Are Prospectively Associated with Higher IL-6 Concentrations in Younger Adulthood among Healthy Individuals. Journal of Nutrition, 2014, 144, 1586-1593.	2.9	35
156	Novel Insights into Sensorimotor and Cardiovascular Autonomic Neuropathy from Recent-Onset Diabetes and Population-Based Cohorts. Trends in Endocrinology and Metabolism, 2019, 30, 286-298.	7.1	35
157	Different Effects of Lifestyle Intervention in High- and Low-Risk Prediabetes: Results of the Randomized Controlled Prediabetes Lifestyle Intervention Study (PLIS). Diabetes, 2021, 70, 2785-2795.	0.6	35
158	Hungry for your alanine: when liver depends on muscle proteolysis. Journal of Clinical Investigation, 2019, 129, 4563-4566.	8.2	35
159	Initial clinical application of modified Dixon with flexible echo times: hepatic and pancreatic fat assessments in comparison with 1H MRS. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2014, 27, 397-405.	2.0	34
160	Association of subclinical inflammation with deterioration of glycaemia before the diagnosis of type 2 diabetes: the KORA S4/F4 study. Diabetologia, 2015, 58, 2269-2277.	6.3	34
161	Transcriptome-Wide Analysis Identifies Novel Associations With Blood Pressure. Hypertension, 2017, 70, 743-750.	2.7	34
162	Immunity-related GTPase induces lipophagy to prevent excess hepatic lipid accumulation. Journal of Hepatology, 2020, 73, 771-782.	3.7	34

#	Article	IF	Citations
163	Postprandial and Fasting Hepatic Glucose Fluxes in Long-Standing Type 1 Diabetes. Diabetes, 2011, 60, 1752-1758.	0.6	33
164	Metabolite ratios as potential biomarkers for type 2 diabetes: a DIRECT study. Diabetologia, 2018, 61, 117-129.	6.3	32
165	Early changes in hepatic energy metabolism and lipid content in recent-onset type 1 and 2 diabetes mellitus. Journal of Hepatology, 2021, 74, 1028-1037.	3.7	32
166	Mapping the Genetic Architecture of Gene Regulation in Whole Blood. PLoS ONE, 2014, 9, e93844.	2.5	31
167	Low-energy diets differing in fibre, red meat and coffee intake equally improve insulin sensitivity in type 2 diabetes: a randomised feasibility trial. Diabetologia, 2015, 58, 255-264.	6.3	31
168	Insulin Resistance and Vulnerability to Cardiac Ischemia. Diabetes, 2018, 67, 2695-2702.	0.6	31
169	Thinking outside the box: non-canonical targets in multiple sclerosis. Nature Reviews Drug Discovery, 2022, 21, 578-600.	46.4	31
170	Time course of postprandial hepatic phosphorus metabolites in lean, obese, and type 2 diabetes patients. American Journal of Clinical Nutrition, 2015, 102, 1051-1058.	4.7	30
171	Carbondioxide-Aided Angiography Decreases Contrast Volume and Preserves Kidney Function in Peripheral Vascular Interventions. Angiology, 2016, 67, 875-881.	1.8	29
172	Lower serum extracellular superoxide dismutase levels are associated with polyneuropathy in recent-onset diabetes. Experimental and Molecular Medicine, 2017, 49, e394-e394.	7.7	29
173	Severe Vitamin D3 Deficiency in the Majority of Patients with Diabetic Foot Ulcers. Hormone and Metabolic Research, 2018, 50, 615-619.	1.5	29
174	Flavonoid intake from fruit and vegetables during adolescence is prospectively associated with a favourable risk factor profile for type 2 diabetes in early adulthood. European Journal of Nutrition, 2019, 58, 1159-1172.	3.9	29
175	Reduced Basal ATP Synthetic Flux of Skeletal Muscle in Patients with Previous Acromegaly. PLoS ONE, 2008, 3, e3958.	2.5	29
176	Regional Differences of Undiagnosed Type 2 Diabetes and Prediabetes Prevalence Are Not Explained by Known Risk Factors. PLoS ONE, 2014, 9, e113154.	2.5	29
177	Association of Lower Cardiovagal Tone and Baroreflex Sensitivity With Higher Liver Fat Content Early in Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 1130-1138.	3.6	28
178	Effect of Low-Energy Diets Differing in Fiber, Red Meat, and Coffee Intake on Cardiac Autonomic Function in Obese Individuals With Type 2 Diabetes. Diabetes Care, 2015, 38, 1750-1757.	8.6	27
179	Hepatic Rab24 controls blood glucose homeostasis via improving mitochondrial plasticity. Nature Metabolism, 2019, 1, 1009-1026.	11.9	27
180	Habitually Higher Dietary Glycemic Index During Puberty Is Prospectively Related to Increased Risk Markers of Type 2 Diabetes in Younger Adulthood. Diabetes Care, 2013, 36, 1870-1876.	8.6	26

#	Article	IF	Citations
181	Lower Fasting Muscle Mitochondrial Activity Relates to Hepatic Steatosis in Humans. Diabetes Care, 2014, 37, 468-474.	8.6	26
182	Differential Patterns of Impaired Cardiorespiratory Fitness and Cardiac Autonomic Dysfunction in Recently Diagnosed Type 1 and Type 2 Diabetes. Diabetes Care, 2017, 40, 246-252.	8.6	26
183	Habitual Fructose Intake Relates to Insulin Sensitivity and Fatty Liver Index in Recent-Onset Type 2 Diabetes Patients and Individuals without Diabetes. Nutrients, 2018, 10, 774.	4.1	26
184	4-Methylumbelliferone improves the thermogenic capacity of brown adipose tissue. Nature Metabolism, 2019, 1, 546-559.	11.9	26
185	Increased plasma levels of plasminogen activator inhibitor-1 and soluble vascular cell adhesion molecule after triacylglycerol infusion in man. Thrombosis and Haemostasis, 2003, 90, 422-428.	3.4	25
186	A Single Nucleotide Polymorphism Associates With the Response of Muscle ATP Synthesis to Long-Term Exercise Training in Relatives of Type 2 Diabetic Humans. Diabetes Care, 2012, 35, 350-357.	8.6	25
187	Metabolic flexibility and oxidative capacity independently associate with insulin sensitivity in individuals with newly diagnosed type 2 diabetes. Diabetologia, 2016, 59, 2203-2207.	6.3	25
188	Differential associations of lower cardiac vagal tone with insulin resistance and insulin secretion in recently diagnosed type 1 and type 2 diabetes. Metabolism: Clinical and Experimental, 2018, 79, 1-9.	3.4	25
189	DPP4 deletion in adipose tissue improves hepatic insulin sensitivity in diet-induced obesity. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E590-E599.	3.5	25
190	Neuron-specific biomarkers predict hypo- and hyperalgesia in individuals with diabetic peripheral neuropathy. Diabetologia, 2021, 64, 2843-2855.	6.3	25
191	Associations between inflammation-related biomarkers and depressive symptoms in individuals with recently diagnosed type 1 and type 2 diabetes. Brain, Behavior, and Immunity, 2017, 61, 137-145.	4.1	24
192	A variant of the glucose transporter gene SLC2A2 modifies the glycaemic response to metformin therapy in recently diagnosed type 2 diabetes. Diabetologia, 2019, 62, 286-291.	6.3	24
193	Effects of Blood Flow Restriction Exercise and Possible Applications in Type 2 Diabetes. Trends in Endocrinology and Metabolism, 2021, 32, 106-117.	7.1	24
194	Metabolic responsiveness to training depends on insulin sensitivity and protein content of exosomes in insulin-resistant males. Science Advances, 2021, 7, eabi9551.	10.3	24
195	Sfrp5 associates with betaâ€cell function in humans. European Journal of Clinical Investigation, 2016, 46, 535-543.	3.4	23
196	Independent and opposite associations of serum levels of omentin-1 and adiponectin with increases of glycaemia and incident type 2 diabetes in an older population: KORA F4/FF4 study. European Journal of Endocrinology, 2017, 177, 277-286.	3.7	23
197	Skeletal Muscle Phosphodiester Content Relates to Body Mass and Glycemic Control. PLoS ONE, 2011, 6, e21846.	2.5	22
198	Association of transketolase polymorphisms with measures of polyneuropathy in patients with recently diagnosed diabetes. Diabetes/Metabolism Research and Reviews, 2017, 33, e2811.	4.0	22

#	Article	IF	Citations
199	Longitudinal associations between biomarkers of inflammation and changes in depressive symptoms in patients with type 1 and type 2 diabetes. Psychoneuroendocrinology, 2018, 91, 216-225.	2.7	22
200	Higher GABA concentration in the medial prefrontal cortex of Type 2 diabetes patients is associated with episodic memory dysfunction. Human Brain Mapping, 2019, 40, 4287-4295.	3.6	22
201	GLP-1 receptor agonists and cardiovascular disease: drug-specific or class effects?. Lancet Diabetes and Endocrinology,the, 2019, 7, 89-90.	11.4	22
202	Association between Biomarkers of Low-grade Inflammation and Sex Hormones in Women with Polycystic Ovary Syndrome. Experimental and Clinical Endocrinology and Diabetes, 2020, 128, 723-730.	1.2	22
203	Dapagliflozin reduces thrombin generation and platelet activation: implications for cardiovascular risk reduction in type 2 diabetes mellitus. Diabetologia, 2021, 64, 1834-1849.	6.3	22
204	Variants in Genes Controlling Oxidative Metabolism Contribute to Lower Hepatic ATP Independent of Liver Fat Content in Type 1 Diabetes. Diabetes, 2016, 65, 1849-1857.	0.6	21
205	Cardiorespiratory Fitness and Cardiac Autonomic Function in Diabetes. Current Diabetes Reports, 2017, 17, 125.	4.2	21
206	Effects of supplemented isoenergetic diets varying in cereal fiber and protein content on the bile acid metabolic signature and relation to insulin resistance. Nutrition and Diabetes, 2018, 8, 11.	3.2	21
207	Metabolic Characteristics of Recently Diagnosed Adult-Onset Autoimmune Diabetes Mellitus. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 429-437.	3.6	21
208	Distinct alterations of gut morphology and microbiota characterize accelerated diabetes onset in nonobese diabetic mice. Journal of Biological Chemistry, 2020, 295, 969-980.	3.4	21
209	Prevalence and Factors Associated With Statin Use Among Patients With Nonalcoholic Fatty Liver Disease in the TARGET-NASH Study. Clinical Gastroenterology and Hepatology, 2022, 20, 458-460.e4.	4.4	21
210	Leukocyte Counts and T-Cell Frequencies Differ Between Novel Subgroups of Diabetes and Are Associated With Metabolic Parameters and Biomarkers of Inflammation. Diabetes, 2021, 70, 2652-2662.	0.6	21
211	Impact of osteopontin on the development of nonâ€alcoholic liver disease and related hepatocellular carcinoma. Liver International, 2020, 40, 1620-1633.	3.9	20
212	Association of cardiac autonomic dysfunction with higher levels of plasma lipid metabolites in recent-onset type 2 diabetes. Diabetologia, 2021, 64, 458-468.	6.3	20
213	Distinct alterations of gut morphology and microbiota characterize accelerated diabetes onset in nonobese diabetic mice. Journal of Biological Chemistry, 2020, 295, 969-980.	3.4	20
214	Role of ceramide-to-dihydroceramide ratios for insulin resistance and non-alcoholic fatty liver disease in humans. BMJ Open Diabetes Research and Care, 2020, 8, e001860.	2.8	19
215	Monounsaturated fat rapidly induces hepatic gluconeogenesis and whole-body insulin resistance. JCI Insight, 2020, 5, .	5.0	19
216	Associations between explorative dietary patterns and serum lipid levels and their interactions with ApoA5 and ApoE haplotype in patients with recently diagnosed type 2 diabetes. Cardiovascular Diabetology, 2016, 15, 138.	6.8	18

#	Article	IF	Citations
217	Myeloperoxidase, superoxide dismutaseâ€3, cardiometabolic risk factors, and distal sensorimotor polyneuropathy: The KORA F4/FF4 study. Diabetes/Metabolism Research and Reviews, 2018, 34, e3000.	4.0	18
218	Cognitive Function Is Impaired in Patients with Recently Diagnosed Type 2 Diabetes, but Not Type 1 Diabetes. Journal of Diabetes Research, 2018, 2018, 1-10.	2.3	18
219	Biomarker-defined pathways for incident type 2 diabetes and coronary heart diseaseâ€"a comparison in the MONICA/KORA study. Cardiovascular Diabetology, 2020, 19, 32.	6.8	18
220	Serum Chemerin Concentrations Associate with Beta-Cell Function, but Not with Insulin Resistance in Individuals with Non-Alcoholic Fatty Liver Disease (NAFLD). PLoS ONE, 2015, 10, e0124935.	2.5	18
221	Impaired Hepatic Mitochondrial Capacity in Nonalcoholic Steatohepatitis Associated With Type 2 Diabetes. Diabetes Care, 2022, 45, 928-937.	8.6	18
222	Estimates of insulin sensitivity from the intravenous-glucose-modified-clamp test depend on suppression of lipolysis in type 2 diabetes: a randomised controlled trial. Diabetologia, 2014, 57, 2094-2102.	6.3	17
223	Pronounced Reduction of Cutaneous Langerhans Cell Density in Recently Diagnosed Type 2 Diabetes. Diabetes, 2014, 63, 1148-1153.	0.6	17
224	Constant hepatic ATP concentrations during prolonged fasting and absence of effects of Cerbomed NemosÂ® on parasympathetic tone and hepatic energy metabolism. Molecular Metabolism, 2018, 7, 71-79.	6.5	17
225	FGF21 regulates insulin sensitivity following long-term chronic stress. Molecular Metabolism, 2018, 16, 126-138.	6.5	17
226	Identification of Comprehensive Metabotypes Associated with Cardiometabolic Diseases in the Populationâ€Based KORA Study. Molecular Nutrition and Food Research, 2018, 62, e1800117.	3.3	17
227	Dietary palmitate and oleate differently modulate insulin sensitivity in human skeletal muscle. Diabetologia, 2022, 65, 301-314.	6.3	17
228	Thymic Epithelium Determines a Spontaneous Chronic Neuritis in Icam1tm1JcgrNOD Mice. Journal of Immunology, 2014, 193, 2678-2690.	0.8	16
229	Association between Advanced Glycation End Products and Impaired Fasting Glucose: Results from the SALIA Study. PLoS ONE, 2015, 10, e0128293.	2.5	16
230	Diabetes prevalence in NZO females depends on estrogen action on liver fat content. American Journal of Physiology - Endocrinology and Metabolism, 2015, 309, E968-E980.	3.5	16
231	Carbohydrates from Sources with a Higher Glycemic Index during Adolescence: Is Evening Rather than Morning Intake Relevant for Risk Markers of Type 2 Diabetes in Young Adulthood?. Nutrients, 2017, 9, 591.	4.1	16
232	Dietary Rapeseed Oil Supplementation Reduces Hepatic Steatosis in Obese Menâ€"A Randomized Controlled Trial. Molecular Nutrition and Food Research, 2020, 64, e2000419.	3.3	16
233	Impairment in Baroreflex Sensitivity in Recent-Onset Type 2 Diabetes Without Progression Over 5 Years. Diabetes, 2020, 69, 1011-1019.	0.6	16
234	Quantifying the Improvement of Surrogate Indices of Hepatic Insulin Resistance Using Complex Measurement Techniques. PLoS ONE, 2012, 7, e39029.	2.5	16

#	Article	IF	Citations
235	Cancer Specific Mortality in Insulin-Treated Type 2 Diabetes Patients. PLoS ONE, 2014, 9, e93132.	2.5	16
236	Future of muscle research in diabetes: a look into the crystal ball. Diabetologia, 2015, 58, 1693-1698.	6.3	15
237	Habitual Flavonoid Intake from Fruit and Vegetables during Adolescence and Serum Lipid Levels in Early Adulthood: A Prospective Analysis. Nutrients, 2018, 10, 488.	4.1	15
238	Longitudinal relationship of amino acids and indole metabolites with long-term body mass index and cardiometabolic risk markers in young individuals. Scientific Reports, 2020, 10, 6399.	3.3	15
239	Effects of empagliflozin on markers of liver steatosis and fibrosis and their relationship to cardiorenal outcomes. Diabetes, Obesity and Metabolism, 2022, 24, 1061-1071.	4.4	15
240	Reduction of Plasma Leptin Concentrations by Arginine but Not Lipid Infusion in Humans. Obesity, 2002, 10, 1111-1119.	4.0	14
241	Circulating triacylglycerols but not pancreatic fat associate with insulin secretion in healthy humans. Metabolism: Clinical and Experimental, 2018, 81, 113-125.	3.4	14
242	Progression and regression of nerve fibre pathology and dysfunction early in diabetes over 5 years. Brain, 2021, 144, 3251-3263.	7.6	14
243	Physical Fitness and Cardiovascular Risk Factors in Novel Diabetes Subgroups. Journal of Clinical Endocrinology and Metabolism, 2022, 107, 1127-1139.	3.6	14
244	Differences in the prevalence of erectile dysfunction between novel subgroups of recent-onset diabetes. Diabetologia, 2022, 65, 552-562.	6.3	14
245	The role of mitochondria in the pathophysiology and treatment of common metabolic diseases in humans. American Journal of Physiology - Cell Physiology, 2022, 322, C1248-C1259.	4.6	14
246	Optimal Insulin Treatment in Type 2 Diabetes. New England Journal of Medicine, 2009, 361, 1801-1803.	27.0	13
247	Reduced expression of stearoyl-CoA desaturase-1, but not free fatty acid receptor 2 or 4 in subcutaneous adipose tissue of patients with newly diagnosed type 2 diabetes mellitus. Nutrition and Diabetes, 2018, 8, 49.	3.2	13
248	Ldlr and ApoE mice better mimic the human metabolite signature of increased carotid intima media thickness compared to other animal models of cardiovascular disease. Atherosclerosis, 2018, 276, 140-147.	0.8	13
249	Expansion and Impaired Mitochondrial Efficiency of Deep Subcutaneous Adipose Tissue in Recent-Onset Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e1331-e1343.	3.6	13
250	Association of Long-Term Air Pollution with Prevalence and Incidence of Distal Sensorimotor Polyneuropathy: KORA F4/FF4 Study. Environmental Health Perspectives, 2020, 128, 127013.	6.0	13
251	What information needs do people with recently diagnosed diabetes mellitus have and what are the associated factors? A cross-sectional study in Germany. BMJ Open, 2018, 8, e017895.	1.9	12
252	Amino acids â€" lifesaver or killer in patients with diabetes?. Nature Reviews Endocrinology, 2018, 14, 449-451.	9.6	12

#	Article	IF	Citations
253	Augmented Corneal Nerve Fiber Branching in Painful Compared With Painless Diabetic Neuropathy. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 6220-6228.	3.6	12
254	Is Nonalcoholic Fatty Liver Disease Not a Risk Factor for Cardiovascular Disease: Not Yet Time for a Change of Heart. Hepatology, 2020, 71, 1867-1869.	7.3	12
255	Deficits in systemic biomarkers of neuroinflammation and growth factors promoting nerve regeneration in patients with type 2 diabetes and polyneuropathy. BMJ Open Diabetes Research and Care, 2019, 7, e000752.	2.8	12
256	Spatial analysis improves the detection of early corneal nerve fiber loss in patients with recently diagnosed type 2 diabetes. PLoS ONE, 2017, 12, e0173832.	2.5	12
257	Low prevalence of patients with mitochondrial disease in the German/Austrian DPV diabetes registry. European Journal of Pediatrics, 2016, 175, 613-622.	2.7	11
258	Reduced Myocardial Mitochondrial ROS Production in Mechanically Unloaded Hearts. Journal of Cardiovascular Translational Research, 2019, 12, 107-115.	2.4	11
259	Biomarkers of Inflammation and Glomerular Filtration Rate in Individuals with Recent-Onset Type 1 and Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e4370-e4381.	3.6	11
260	Branched-Chain Amino Acids Associate Negatively With Postprandial Insulin Secretion in Recent-Onset Diabetes. Journal of the Endocrine Society, 2021, 5, bvab067.	0.2	11
261	Generalized anxiety disorder symptoms and type 2 diabetes onset: Findings from the Prospective Cooperative Health Research in the Region of Augsburg F4 and FF4 studies. Journal of Psychosomatic Research, 2021, 145, 110480.	2.6	11
262	A Panel of 6 Biomarkers Significantly Improves the Prediction of Type 2 Diabetes in the MONICA/KORA Study Population. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 1647-1659.	3.6	11
263	Investigating the spill-over hypothesis: Analysis of the association between local inflammatory markers in sputum and systemic inflammatory mediators in plasma. Environmental Research, 2014, 134, 24-32.	7.5	10
264	Characterization of circulating leukocytes and correlation of leukocyte subsets with metabolic parameters 1 and 5Âyears after diabetes diagnosis. Acta Diabetologica, 2018, 55, 723-731.	2.5	10
265	High-resolution respirometry in human endomyocardial biopsies shows reduced ventricular oxidative capacity related to heart failure. Experimental and Molecular Medicine, 2019, 51, 1-10.	7.7	10
266	Differential Patterns and Determinants of Cardiac Autonomic Nerve Dysfunction during Endotoxemia and Oral Fat Load in Humans. PLoS ONE, 2015, 10, e0124242.	2.5	10
267	Liver biopsy in the real worldâ€"reporting, expert concordance and correlation with a pragmatic clinical diagnosis. Alimentary Pharmacology and Therapeutics, 2021, 54, 1472-1480.	3.7	10
268	Overexpression of cutaneous mitochondrial superoxide dismutase in recent-onset type 2 diabetes. Diabetologia, 2015, 58, 1621-1625.	6.3	9
269	Deep subcutaneous adipose tissue lipid unsaturation associates with intramyocellular lipid content. Metabolism: Clinical and Experimental, 2016, 65, 1230-1237.	3.4	9
270	The Clinical Course of Patients with Preschool Manifestation of Type 1 Diabetes Is Independent of the HLA DR-DQ Genotype. Genes, 2017, 8, 146.	2.4	9

#	Article	IF	Citations
271	Associations of cardiac stress biomarkers with incident type 2 diabetes and changes in glucose metabolism: KORA F4/FF4 study. Cardiovascular Diabetology, 2020, 19, 178.	6.8	9
272	Evaluation of the Metabotype Concept Identified in an Irish Population in the German KORA Cohort Study. Molecular Nutrition and Food Research, 2020, 64, 1900918.	3.3	9
273	Associations between cognitive performance and Mediterranean dietary pattern in patients with type 1 or type 2 diabetes mellitus. Nutrition and Diabetes, 2020, 10, 10.	3.2	9
274	Differences in Physiological Responses to Cardiopulmonary Exercise Testing in Adults With and Without Type 1 Diabetes: A Pooled Analysis. Diabetes Care, 2021, 44, 240-247.	8.6	9
275	BOND study: a randomised double-blind, placebo-controlled trial over 12 months to assess the effects of benfotiamine on morphometric, neurophysiological and clinical measures in patients with type 2 diabetes with symptomatic polyneuropathy. BMJ Open, 2022, 12, e057142.	1.9	9
276	Characterization of the peak at 2.06â€‰ppm in ³¹P magnetic resonance spectroscopy of human liver: phosphoenolpyruvate or phosphatidylcholine?. NMR in Biomedicine, 2015, 28, 898-905.	2.8	8
277	Incidence Rates of Type 2 Diabetes in People With Impaired Fasting Glucose (ADA vs. WHO Criteria) and Impaired Glucose Tolerance: Results From an Older Population (KORA S4/F4/FF4 Study). Diabetes Care, 2019, 42, e18-e20.	8.6	8
278	Reversion from prediabetes to normoglycaemia after weight change in older persons: The KORA F4/FF4 study. Nutrition, Metabolism and Cardiovascular Diseases, 2021, 31, 429-438.	2.6	8
279	High-intensity interval training for 12Âweeks improves cardiovascular autonomic function but not somatosensory nerve function and structure in overweight men with type 2 diabetes. Diabetologia, 2022, 65, 1048-1057.	6.3	8
280	Foodborne Transmission of Bovine Spongiform Encephalopathy to Non-Human Primates Results in Preclinical Rapid-Onset Obesity. PLoS ONE, 2014, 9, e104343.	2.5	7
281	Modeling glucose and free fatty acid kinetics during insulin-modified intravenous glucose tolerance test in healthy humans: role of counterregulatory response. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R321-R331.	1.8	7
282	Circulating adiponectin concentration is inversely associated with glucose tolerance and insulin secretion in people with newly diagnosed diabetes. Diabetic Medicine, 2017, 34, 239-244.	2.3	7
283	Inverse association of insulin antibody levels with insulin sensitivity in adults with Type 1 diabetes. Diabetic Medicine, 2018, 35, 595-601.	2.3	7
284	German Diabetes Study â€“ Baseline data of retinal layer thickness measured by <scp>SD</scp>â€<scp>OCT</scp> in early diabetes mellitus. Acta Ophthalmologica, 2019, 97, e303-e307.	1.1	7
285	Increased Release of Proinflammatory Proteins in Primary Human Adipocytes and Activation of the Inflammatory NFÄ¸B, p38, and ERK Pathways upon Omentin Treatment. Obesity Facts, 2020, 13, 221-236.	3.4	7
286	Vitamin B12 and Folate Concentrations in Recent-onset Type 2 Diabetes and the Effect of Metformin Treatment. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e2222-e2231.	3.6	7
287	Interaction between magnesium and methylglyoxal in diabetic polyneuropathy and neuronal models. Molecular Metabolism, 2021, 43, 101114.	6.5	7
288	Relevance of fructose intake in adolescence for fatty liver indices in young adulthood. European Journal of Nutrition, 2021, 60, 3029-3041.	3.9	7

#	Article	IF	Citations
289	The Prospective Association of Dietary Sugar Intake in Adolescence With Risk Markers of Type 2 Diabetes in Young Adulthood. Frontiers in Nutrition, 2020, 7, 615684.	3.7	7
290	Evaluation of a Stepped Care Approach to Manage Depression and Diabetes Distress in Patients with Type 1 Diabetes and Type 2 Diabetes: Results of a Randomized Controlled Trial (ECCE HOMO Study). Psychotherapy and Psychosomatics, 2022, 91, 107-122.	8.8	7
291	Do mitochondria care about insulin resistance?. Molecular Metabolism, 2014, 3, 351-353.	6.5	6
292	Pancreatic triacylglycerol distribution in type 2 diabetes. Reply to Hollingsworth K. G., Al Mrabeh A., Steven S. et al [letter]. Diabetologia, 2015, 58, 2679-2681.	6.3	6
293	Amino Acid and Fatty Acid Levels Affect Hepatic Phosphorus Metabolite Content in Metabolically Healthy Humans. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 460-468.	3.6	6
294	Diabetes clusters and risk of diabetes-associated diseases â€“ Authors' reply. Lancet Diabetes and Endocrinology,the, 2019, 7, 828-829.	11.4	6
295	Correlates of Insulin-Stimulated Glucose Disposal in Recent-Onset Type 1 and Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 2295-2304.	3.6	6
296	Autoimmunity risk- and protection-associated IL7RA genetic variants differentially affect soluble and membrane IL-7RÎ± expression. Journal of Autoimmunity, 2019, 97, 40-47.	6.5	6
297	Bax inhibitor-1 deficiency leads to obesity by increasing Ca2+-dependent insulin secretion. Journal of Molecular Medicine, 2020, 98, 849-862.	3.9	6
298	Comparison of genetic risk prediction models to improve prediction of coronary heart disease in two large cohorts of the MONICA/KORA study. Genetic Epidemiology, 2021, 45, 633-650.	1.3	6
299	Athletes feature greater rates of muscle glucose transport and glycogen synthesis during lipid infusion. JCI Insight, 2019, 4, .	5.0	6
300	Reduced Muscle Strength Is Associated With Insulin Resistance in Type 2 Diabetes Patients With Osteoarthritis. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e1062-e1073.	3.6	6
301	A healthy lifestyle during adolescence was inversely associated with fatty liver indices in early adulthood: findings from the DONALD cohort study. British Journal of Nutrition, 2023, 129, 513-522.	2.3	6
302	Validity and reproducibility of an interviewer-administered food frequency questionnaire in Austrian adults at risk of or with overt diabetes mellitus. Nutrition Research, 2014, 34, 410-419.	2.9	5
303	Central Regulation of Glucose Metabolism in Humans: Fact or Fiction?. Diabetes, 2016, 65, 2467-2469.	0.6	5
304	Cardiometabolic risk factor clustering in patients with deficient branchedâ€chain amino acid catabolism: A caseâ€control study. Journal of Inherited Metabolic Disease, 2020, 43, 981-993.	3.6	5
305	Impact of mixed meal tolerance test composition on measures of beta-cell function in type 2 diabetes. Nutrition and Metabolism, 2021, 18, 47.	3.0	5
306	Exposure to Type 2 Diabetes Provokes Mitochondrial Impairment in Apparently Healthy Human Hearts. Diabetes Care, 2021, 44, e82-e84.	8.6	5

#	Article	IF	Citations
307	NDUFB6 Polymorphism Is Associated With Physical Activity-Mediated Metabolic Changes in Type 2 Diabetes. Frontiers in Endocrinology, 2021, 12, 693683.	3.5	5
308	Elevated liver enzymes and comorbidities in type 2 diabetes: A multicentre analysis of 51 645 patients from the Diabetes Prospective Followâ€up (<scp>DPV)</scp> database. Diabetes, Obesity and Metabolism, 2022, 24, 727-732.	4.4	5
309	Association of renin and aldosterone with glucose metabolism in a Western European population: the KORA F4/FF4 study. BMJ Open Diabetes Research and Care, 2022, 10, e002558.	2.8	5
310	The German Gestational Diabetes Study (PREG), a prospective multicentre cohort study: rationale, methodology and design. BMJ Open, 2022, 12, e058268.	1.9	5
311	Does Endurance Training Protect From Lipotoxicity?. Diabetes, 2012, 61, 2397-2399.	0.6	4
312	Perilipin 5: From fatty liver to hepatic lipodystrophy?. Hepatology, 2015, 61, 751-753.	7.3	4
313	Perturbation of the molecular clockwork in the SCN of non-obese diabetic mice prior to diabetes onset. Chronobiology International, 2016, 33, 1369-1375.	2.0	4
314	Regional differences of macrovascular disease in Northeast and South Germany: the population-based SHIP-TREND and KORA-F4 studies. BMC Public Health, 2018, 18, 1331.	2.9	4
315	An 8-week diet high in cereal fiber and coffee but free of red meat does not improve beta-cell function in patients with type 2 diabetes mellitus: a randomized controlled trial. Nutrition and Metabolism, 2018, 15, 90.	3.0	4
316	Meal-derived glucagon responses are related to lower hepatic phosphate concentrations in obesity and type 2 diabetes. Diabetes and Metabolism, 2018, 44, 444-448.	2.9	4
317	Associations of cells from both innate and adaptive immunity with lower nerve conduction velocity: the Maastricht Study. BMJ Open Diabetes Research and Care, 2021, 9, e001698.	2.8	4
318	Human myocardial mitochondrial oxidative capacity is impaired in mild acute heart transplant rejection. ESC Heart Failure, 2021, , .	3.1	4
319	Diabetic Kidney Disease: From Pathogenesis to Novel Treatment Possibilities. Handbook of Experimental Pharmacology, 2022, , 269-307.	1.8	4
320	Impact of insulin sensitivity, betaâ€cell function and glycaemic control on initiation of secondâ€line glucoseâ€lowering treatment in newly diagnosed type 2 diabetes. Diabetes, Obesity and Metabolism, 2017, 19, 866-873.	4.4	3
321	Apolipoprotein A5 controls fructose-induced metabolic dysregulation in mice. Nutrition, Metabolism and Cardiovascular Diseases, 2021, 31, 972-978.	2.6	3
322	Improving insulin sensitivity, liver steatosis and fibrosis in type 2 diabetes byÂa food-based digital education-assisted lifestyle intervention program: a feasibility study. European Journal of Nutrition, 2021, 60, 3811-3818.	3.9	3
323	Nonâ€alcoholic fatty liver disease in type 2 diabetes â€“ A specific entity?. Liver International, 2021, 41, 105-111.	3.9	3
324	Assessment of Insulin Sensitivity from Steady-State and Dynamic Tests. , 0, , 27-41.		3

#	Article	IF	Citations
325	Comparison of patient characteristics between East Asian and nonâ€East Asian patients with insulin autoimmune syndrome. Clinical Endocrinology, 2021, , .	2.4	3
326	Socioâ€economic inequalities in glycaemic control in recently diagnosed adults with type 1 and type 2 diabetes. Diabetic Medicine, 2022, 39, e14833.	2.3	3
327	Hepatocyte-specific activity of TSC22D4 triggers progressive NAFLD by impairing mitochondrial function. Molecular Metabolism, 2022, 60, 101487.	6.5	3
328	Dietary lipid droplet structure in postnatal life improves hepatic energy and lipid metabolism in a mouse model for postnatal programming. Pharmacological Research, 2022, 179, 106193.	7.1	3
329	Poor glycemic control impairs the cardioprotective effects of red blood cells on myocardial ischemia/reperfusion injury. Nitric Oxide - Biology and Chemistry, 2020, 97, 1-10.	2.7	2
330	Association of persistent organic pollutants with sensorimotor neuropathy in participants with and without diabetes or prediabetes: Results from the population-based KORA FF4 study. International Journal of Hygiene and Environmental Health, 2021, 235, 113752.	4.3	2
331	Novel Antidiabetic Strategies and Diabetologists' Views in Nonalcoholic Steatohepatitis. Seminars in Liver Disease, 2021, , .	3.6	2
332	Blood cis-eQTL Analysis Fails to Identify Novel Association Signals among Sub-Threshold Candidates from Genome-Wide Association Studies in Restless Legs Syndrome. PLoS ONE, 2014, 9, e98092.	2.5	2
333	Association of serum uromodulin with adipokines in dependence of type 2 diabetes. Cytokine, 2022, 150, 155786.	3.2	2
334	Positive allosteric Î³â€aminobutyric acid type A receptor modulation prevents lipotoxicityâ€induced injury in hepatocytes in vitro. Diabetes, Obesity and Metabolism, 2022, 24, 1498-1508.	4.4	2
335	Effect of obesity on the associations of 25-hydroxyvitamin D with prevalent and incident distal sensorimotor polyneuropathy: population-based KORA F4/FF4 study. International Journal of Obesity, 2022, 46, 1366-1374.	3.4	2
336	Fatty liver indices and their association with glucose metabolism in pregnancy â€“ An observational cohort study. Diabetes Research and Clinical Practice, 2022, 189, 109942.	2.8	2
337	Mitochondrial endocrinology â€“ Mitochondria as key to hormones and metabolism. Molecular and Cellular Endocrinology, 2013, 379, 1.	3.2	1
338	The liver in focus. Diabetologia, 2016, 59, 1095-1097.	6.3	1
339	Correction: Severe Vitamin D3 Deficiency in the Majority of Patients with Diabetic Foot Ulcers. Hormone and Metabolic Research, 2018, 50, e9-e9.	1.5	1
340	CISH promoter polymorphism effects on T cell cytokine receptor signaling and type 1 diabetes susceptibility. Molecular and Cellular Pediatrics, 2018, 5, 2.	1.8	1
341	Authorsâ€™ response to the commentary by Bonaventura and Montecucco on: â€˜Characterization of circulating leukocytes and correlation of leukocyte subsets with metabolic parameters 1 and 5Âyears after diabetes diagnosisâ€™. Acta Diabetologica, 2019, 56, 125-126.	2.5	1
342	22-LB: Incident Myocardial Infarction Is Associated with Insulin Resistance and Liver Fibrosis Scores. Diabetes, 2020, 69, .	0.6	1

#	Article	IF	Citations
343	1067-P: Development of Novel Modulators of the GABAA Receptor for Diabetes Therapy. Diabetes, 2020, 69, .	0.6	1
344	Hepatic energy metabolism in a family with a glucokinase gene mutation and dysglycemia. Diabetes Research and Clinical Practice, 2022, 185, 109779.	2.8	1
345	Association of C-Terminal Pro-Endothelin-1 with Mortality in the Population-Based KORA F4 Study. Vascular Health and Risk Management, 2022, Volume 18, 335-346.	2.3	1
346	Comorbidities in Recent-Onset Adult Type 1 Diabetes: A Comparison of German Cohorts. Frontiers in Endocrinology, 2022, 13, .	3.5	1
347	Relative validity of a glycemic index extended food-frequency questionnaire. Nutrition, Metabolism and Cardiovascular Diseases, 2022, 32, 2310-2320.	2.6	1
348	Diabetes mellitus in Deutschland. Public Health Forum, 2010, 18, 4-6.	0.2	0
349	Reply to: mitochondrial diabetes in Germany and Austria. European Journal of Pediatrics, 2016, 175, 2025-2026.	2.7	0
350	Role of Mitochondria in the Liver Metabolism in Obesity and Type 2 Diabetes. , 2019, , 195-215.		0
351	In vivo absolute quantification of hepatic Î³â€ATP concentration in mice using 31 P MRS at 11.7 T. NMR in Biomedicine, 2021, 34, e4422.	2.8	0
352	Early life factors and their relevance for markers of cardiometabolic risk in early adulthood. Nutrition, Metabolism and Cardiovascular Diseases, 2021, 31, 2109-2121.	2.6	0
353	Novel function for endosomal trafficking adaptors in hepatic metabolic disease. Zeitschrift Fur Gastroenterologie, 2022, 60, .	0.5	0
354	Liver-specific depletion of an endosomal regulator causes apoptosis, cell death and liver failure. Zeitschrift Fur Gastroenterologie, 2022, 60, .	0.5	0
355	Diabetes and Fatty Liver. Experimental and Clinical Endocrinology and Diabetes, 2022, , .	1.2	0