

Mechanisms of Insulin Action and Insulin Resistance

Physiological Reviews

98, 2133-2223

DOI: [10.1152/physrev.00063.2017](https://doi.org/10.1152/physrev.00063.2017)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Treatment approach to type 2 diabetes: Past, present and future. <i>World Journal of Diabetes</i> , 2018, 9, 209-219.	1.3	56
2	Spindle Checkpoint Regulators in Insulin Signaling. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 161.	1.8	10
3	Insulin Resistance in Patients With Acromegaly. <i>Frontiers in Endocrinology</i> , 2019, 10, 509.	1.5	51
4	Obesity as the Main Risk Factor for Metabolic Syndrome in Children. <i>Frontiers in Endocrinology</i> , 2019, 10, 568.	1.5	66
5	Berberine Ameliorates Spatial Learning Memory Impairment and Modulates Cholinergic Anti-Inflammatory Pathway in Diabetic Rats. <i>Frontiers in Pharmacology</i> , 2019, 10, 1003.	1.6	31
6	Acute and sustained effects of a periodized carbohydrate intake using the sleep-low model in endurance-trained males. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2019, 29, 1866-1880.	1.3	11
7	Bioenergetics and translational metabolism: implications for genetics, physiology and precision medicine. <i>Biological Chemistry</i> , 2019, 401, 3-29.	1.2	41
8	Metabolic and endocrinal effects of N-desmethyl-olanzapine in mice with obesity: Implication for olanzapine-associated metabolic changes. <i>Psychoneuroendocrinology</i> , 2019, 108, 163-171.	1.3	7
9	The endocrine function of adipose tissues in health and cardiometabolic disease. <i>Nature Reviews Endocrinology</i> , 2019, 15, 507-524.	4.3	393
10	Alteration of Sphingolipids in Biofluids: Implications for Neurodegenerative Diseases. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3564.	1.8	40
11	Anti-Diabetic Effect of a Shihunine-Rich Extract of <i>Dendrobium loddigesii</i> on 3T3-L1 Cells and db/db Mice by Up-Regulating AMPK-GLUT4-PPAR α . <i>Molecules</i> , 2019, 24, 2673.	1.7	10
12	17 β -Estradiol Regulates Glucose Metabolism and Insulin Secretion in Rat Islet β Cells Through GPER and Akt/mTOR/GLUT2 Pathway. <i>Frontiers in Endocrinology</i> , 2019, 10, 531.	1.5	37
13	Antidiabetic Effects of Hydroxytyrosol: In Vitro and In Vivo Evidence. <i>Antioxidants</i> , 2019, 8, 188.	2.2	30
14	Excess membrane cholesterol is an early contributing reversible aspect of skeletal muscle insulin resistance in C57BL/6NJ mice fed a Western-style high-fat diet. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E362-E373.	1.8	14
15	Glucose metabolism: Normal physiology, diabetic dysregulation, and therapeutic targets. , 2019, , 13-39.		0
16	The emergence of protein arginine methyltransferases in skeletal muscle and metabolic disease. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E1070-E1080.	1.8	24
17	Deregulated Lysophosphatidic Acid Metabolism and Signaling in Liver Cancer. <i>Cancers</i> , 2019, 11, 1626.	1.7	41
18	Isoimperatorin enhances 3T3-L1 preadipocyte differentiation by regulating PPAR γ and C/EBP β through the Akt signaling pathway. <i>Experimental and Therapeutic Medicine</i> , 2019, 18, 2160-2166.	0.8	12

#	ARTICLE	IF	CITATIONS
19	Low Serum Vitamin D Concentrations Are Associated with Insulin Resistance in Mexican Children and Adolescents. <i>Nutrients</i> , 2019, 11, 2109.	1.7	17
20	Regulation of Hepatic Metabolism, Recent Advances, and Future Perspectives. <i>Current Diabetes Reports</i> , 2019, 19, 98.	1.7	7
21	Dietary Fatty Acid Saturation Modulates Sphingosine-1-Phosphate-Mediated Vascular Function. <i>Journal of Diabetes Research</i> , 2019, 2019, 1-11.	1.0	4
22	Understanding glycaemic control and current approaches for screening antidiabetic natural products from evidence-based medicinal plants. <i>Plant Methods</i> , 2019, 15, 105.	1.9	89
23	Network medicine-travelling with the insulin receptor: Encounter of the second type. <i>EClinicalMedicine</i> , 2019, 13, 14-20.	3.2	1
24	Dynamic changes of muscle insulin sensitivity after metabolic surgery. <i>Nature Communications</i> , 2019, 10, 4179.	5.8	47
25	NDUFAB1 protects against obesity and insulin resistance by enhancing mitochondrial metabolism. <i>FASEB Journal</i> , 2019, 33, 13310-13322.	0.2	20
26	Insulin Resistance and Atherosclerosis: Implications for Insulin-Sensitizing Agents. <i>Endocrine Reviews</i> , 2019, 40, 1447-1467.	8.9	210
27	Plasma Secretagogin is Increased in Individuals with Glucose Dysregulation. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2021, 129, 661-665.	0.6	3
28	Sphingolipid Metabolism: New Insight into Ceramide-Induced Lipotoxicity in Muscle Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 479.	1.8	72
29	Muscle Insulin Resistance and the Inflamed Microvasculature: Fire from Within. <i>International Journal of Molecular Sciences</i> , 2019, 20, 562.	1.8	27
30	Lysosome Positioning Influences mTORC2 and AKT Signaling. <i>Molecular Cell</i> , 2019, 75, 26-38.e3.	4.5	77
31	Insulin resistance exhibits varied metabolic abnormalities in nonalcoholic fatty liver disease, chronic hepatitis B and the combination of the two: a cross-sectional study. <i>Diabetology and Metabolic Syndrome</i> , 2019, 11, 45.	1.2	9
32	Considering the Links Between Nonalcoholic Fatty Liver Disease and Insulin Resistance: Revisiting the Role of Protein Kinase C μ . <i>Hepatology</i> , 2019, 70, 2217-2220.	3.6	6
33	Non-monotonic dose-response effects of arsenic on glucose metabolism. <i>Toxicology and Applied Pharmacology</i> , 2019, 377, 114605.	1.3	12
34	Acylation â€“ A New Means to Control Traffic Through the Golgi. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 109.	1.8	22
35	Mitochondrial Activity and Skeletal Muscle Insulin Resistance in Kidney Disease. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2751.	1.8	30
36	<scpd</scpd><i>chiro</i>-Inositol Ameliorates High Fat Diet-Induced Hepatic Steatosis and Insulin Resistance via PKC μ -PI3K/AKT Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 5957-5967.	2.4	38

#	ARTICLE	IF	CITATIONS
37	PAQR3 regulates phosphorylation of FoxO1 in insulin-resistant HepG2 cells via NF- κ B signaling pathway. <i>Experimental Cell Research</i> , 2019, 381, 301-310.	1.2	14
38	“Beauty and the beast”™ in infection: How immune–endocrine interactions regulate systemic metabolism in the context of infection. <i>European Journal of Immunology</i> , 2019, 49, 982-995.	1.6	26
39	Insulin resistance: Impact on therapeutic developments in diabetes. <i>Diabetes and Vascular Disease Research</i> , 2019, 16, 128-132.	0.9	7
40	Endoplasmic Reticulum Stress: A Critical Molecular Driver of Endothelial Dysfunction and Cardiovascular Disturbances Associated with Diabetes. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1658.	1.8	83
41	The incretin system in healthy humans: The role of GIP and GLP-1. <i>Metabolism: Clinical and Experimental</i> , 2019, 96, 46-55.	1.5	127
42	PID1 regulates insulin-dependent glucose uptake by controlling intracellular sorting of GLUT4-storage vesicles. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1592-1603.	1.8	11
43	The effects of green tea on lipid metabolism and its potential applications for obesity and related metabolic disorders - An existing update. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2019, 13, 1667-1673.	1.8	40
44	Antidiabetic Properties of Naringenin: A Citrus Fruit Polyphenol. <i>Biomolecules</i> , 2019, 9, 99.	1.8	140
45	Amino acids at the intersection of nutrition and insulin sensitivity. <i>Drug Discovery Today</i> , 2019, 24, 1038-1043.	3.2	7
46	Insulin and Insulin Receptors in Adipose Tissue Development. <i>International Journal of Molecular Sciences</i> , 2019, 20, 759.	1.8	129
47	PGC1A regulates the IRS1:IRS2 ratio during fasting to influence hepatic metabolism downstream of insulin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 4285-4290.	3.3	77
48	Paternal high-fat diet transgenerationally impacts hepatic immunometabolism. <i>FASEB Journal</i> , 2019, 33, 6269-6280.	0.2	15
49	Emerging awareness on the importance of skeletal muscle in liver diseases: time to dig deeper into mechanisms!. <i>Clinical Science</i> , 2019, 133, 465-481.	1.8	51
50	Transcriptomic analyses suggest a dominant role of insulin in the coordinated control of energy metabolism and ureagenesis in goat liver. <i>BMC Genomics</i> , 2019, 20, 854.	1.2	4
51	Latent Inflammation and Defect in Adipocyte Renewal as a Mechanism of Obesity-Associated Insulin Resistance. <i>Biochemistry (Moscow)</i> , 2019, 84, 1329-1345.	0.7	24
52	Hepatic insulin sensitivity is improved in high-fat diet-fed <i>Park2</i> knockout mice in association with increased hepatic AMPK activation and reduced steatosis. <i>Physiological Reports</i> , 2019, 7, e14281.	0.7	9
53	V<sc>v</sc>-Schiff base species induce adipogenesis through structure-specific influence of genetic targets. <i>New Journal of Chemistry</i> , 2019, 43, 17872-17890.	1.4	7
54	Reducing effect of insulin resistance on alpha-synuclein gene expression in skeletal muscle. <i>Diabetology and Metabolic Syndrome</i> , 2019, 11, 99.	1.2	6

#	ARTICLE	IF	CITATIONS
55	The Lymphatic System in Obesity, Insulin Resistance, and Cardiovascular Diseases. <i>Frontiers in Physiology</i> , 2019, 10, 1402.	1.3	36
56	Metabolic Syndrome and Skin Diseases. <i>Frontiers in Endocrinology</i> , 2019, 10, 788.	1.5	48
57	Molecular adaptations in human subcutaneous adipose tissue after ten weeks of endurance exercise training in healthy males. <i>Journal of Applied Physiology</i> , 2019, 126, 569-577.	1.2	25
58	Obesity and dyslipidemia. <i>Metabolism: Clinical and Experimental</i> , 2019, 92, 71-81.	1.5	324
59	Relation of the degree of obesity in childhood to adipose tissue insulin resistance. <i>Acta Diabetologica</i> , 2019, 56, 219-226.	1.2	35
60	Vanadium in Biological Action: Chemical, Pharmacological Aspects, and Metabolic Implications in Diabetes Mellitus. <i>Biological Trace Element Research</i> , 2019, 188, 68-98.	1.9	209
61	Lifetime marijuana use in relation to insulin resistance in lean, overweight, and obese US adults. <i>Journal of Diabetes</i> , 2020, 12, 38-47.	0.8	13
62	GS-0976 (Firsocostat): an investigational liver-directed acetyl-CoA carboxylase (ACC) inhibitor for the treatment of non-alcoholic steatohepatitis (NASH). <i>Expert Opinion on Investigational Drugs</i> , 2020, 29, 135-141.	1.9	91
63	Fenretinide treatment accelerates atherosclerosis development in apoE-deficient mice in spite of beneficial metabolic effects. <i>British Journal of Pharmacology</i> , 2020, 177, 328-345.	2.7	21
64	Hepatocyte ELOVL Fatty Acid Elongase 6 Determines Ceramide Acyl Chain Length and Hepatic Insulin Sensitivity in Mice. <i>Hepatology</i> , 2020, 71, 1609-1625.	3.6	44
65	Different physiological mechanisms underlie an adverse cardiovascular disease risk profile in men and women. <i>Proceedings of the Nutrition Society</i> , 2020, 79, 210-218.	0.4	13
66	Insulin Resistance in Healthy U.S. Adults: Findings from the National Health and Nutrition Examination Survey (NHANES). <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020, 29, 157-168.	1.1	17
67	Insulin resistance is improved in high-fat fed mice by photobiomodulation therapy at 630nm. <i>Journal of Biophotonics</i> , 2020, 13, e201960140.	1.1	21
68	Fatty acid overload to compromised oxidative phosphorylation activates inflammation in type 2 diabetes: Hidden beasts and how to find them. <i>Journal of Diabetes Investigation</i> , 2020, 11, 290-293.	1.1	3
69	Pancreatic Hormones. , 2020, , 383-423.		2
70	Curtailing PCOS. <i>Pediatric Research</i> , 2020, 87, 353-361.	1.1	53
71	Isoflurane aggravates peripheral and central insulin resistance in high-fat diet/streptozocin-induced type 2 diabetic mice. <i>Brain Research</i> , 2020, 1727, 146511.	1.1	11
72	Consumption of Terpenoids-Rich <i>Padina pavonia</i> Extract Attenuates Hyperglycemia, Insulin Resistance and Oxidative Stress, and Upregulates PPAR γ in a Rat Model of Type 2 Diabetes. <i>Antioxidants</i> , 2020, 9, 22.	2.2	20

#	ARTICLE	IF	CITATIONS
73	Mechanisms of insulin resistance related to white, beige, and brown adipocytes. <i>Molecular Metabolism</i> , 2020, 34, 27-42.	3.0	129
74	Antidiabetic Properties of Curcumin I: Evidence from In Vitro Studies. <i>Nutrients</i> , 2020, 12, 118.	1.7	49
75	Insulin resistance: looking back, looking forward. <i>Journal of Diabetes</i> , 2020, 12, 184-186.	0.8	1
76	A word of caution against excessive protein intake. <i>Nature Reviews Endocrinology</i> , 2020, 16, 59-66.	4.3	62
77	Cracking the context-specific PI3K signaling code. <i>Science Signaling</i> , 2020, 13, .	1.6	49
78	Altered mitochondrial metabolism in the insulin-resistant heart. <i>Acta Physiologica</i> , 2020, 228, e13430.	1.8	56
79	PGE2 ameliorated viral myocarditis development and promoted IL-10-producing regulatory B cell expansion via MAPKs/AKT-AP1 axis or AhR signaling. <i>Cellular Immunology</i> , 2020, 347, 104025.	1.4	15
80	Expansion and Impaired Mitochondrial Efficiency of Deep Subcutaneous Adipose Tissue in Recent-Onset Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e1331-e1343.	1.8	13
81	Seaweed-derived bioactives as potential energy regulators in obesity and type 2 diabetes. <i>Advances in Pharmacology</i> , 2020, 87, 205-256.	1.2	21
82	Metabolism amelioration of <i>Dendrobium officinale</i> polysaccharide on type II diabetic rats. <i>Food Hydrocolloids</i> , 2020, 102, 105582.	5.6	36
83	Lipid Emulsion Containing High Amounts of n3 Fatty Acids (Omegaven) as Opposed to n6 Fatty Acids (Intralipid) Preserves Insulin Signaling and Glucose Uptake in Perfused Rat Hearts. <i>Anesthesia and Analgesia</i> , 2020, 130, 37-48.	1.1	5
84	Insulin Resistance in Apolipoprotein M Knockout Mice is Mediated by the Protein Kinase Akt Signaling Pathway. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2020, 20, 771-780.	0.6	3
85	Assessment of magnetic resonance imaging derived fat fraction as a sensitive and reliable predictor of myosteatosis in liver transplant recipients. <i>Hpb</i> , 2020, 22, 102-108.	0.1	15
86	TLR4/AP-1-Targeted Anti-Inflammatory Intervention Attenuates Insulin Sensitivity and Liver Steatosis. <i>Mediators of Inflammation</i> , 2020, 2020, 1-11.	1.4	9
87	The Role of Glucagon in the Acute Therapeutic Effects of SGLT2 Inhibition. <i>Diabetes</i> , 2020, 69, 2619-2629.	0.3	11
88	Dietary protein intake and obesity-associated cardiometabolic function. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2020, 23, 380-386.	1.3	10
89	Skeletal Muscle Immunometabolism in Women With Polycystic Ovary Syndrome: A Meta-Analysis. <i>Frontiers in Physiology</i> , 2020, 11, 573505.	1.3	10
90	Sea cucumbers-derived sterol sulfate alleviates insulin resistance and inflammation in high-fat-high-fructose diet-induced obese mice. <i>Pharmacological Research</i> , 2020, 160, 105191.	3.1	23

#	ARTICLE	IF	CITATIONS
91	Are Alterations in Skeletal Muscle Mitochondria a Cause or Consequence of Insulin Resistance?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6948.	1.8	30
92	Intracellular pH Regulation of Skeletal Muscle in the Milieu of Insulin Signaling. <i>Nutrients</i> , 2020, 12, 2910.	1.7	10
93	Soluble Klotho Improves Hepatic Glucose and Lipid Homeostasis in Type 2 Diabetes. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 18, 811-823.	1.8	26
94	Divergent genes in gerbils: prevalence, relation to GC-biased substitution, and phenotypic relevance. <i>BMC Evolutionary Biology</i> , 2020, 20, 134.	3.2	6
95	Impact of sarcopenia on glycemic control and atherosclerosis in Japanese patients with type 2 diabetes: Cross-sectional study using outpatient clinical data. <i>Geriatrics and Gerontology International</i> , 2020, 20, 1196-1201.	0.7	7
96	Alteration of mitochondrial supercomplexes assembly in metabolic diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165935.	1.8	9
97	Mechanisms of muscle insulin resistance and the cross-talk with liver and adipose tissue. <i>Physiological Reports</i> , 2020, 8, e14607.	0.7	76
98	Mitochondrial dysfunction in the fetoplacental unit in gestational diabetes mellitus. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165948.	1.8	25
99	A Membrane-Bound Diacylglycerol Species Induces PKC μ -Mediated Hepatic Insulin Resistance. <i>Cell Metabolism</i> , 2020, 32, 654-664.e5.	7.2	83
100	NAFLD and cardiovascular diseases: a clinical review. <i>Clinical Research in Cardiology</i> , 2021, 110, 921-937.	1.5	285
101	Melatonin regulates neurodegenerative complications associated with NAFLD via enhanced neurotransmission and cellular integrity: a correlational study. <i>Metabolic Brain Disease</i> , 2020, 35, 1251-1261.	1.4	4
102	Insulin signaling and glucose metabolism in different hepatoma cell lines deviate from hepatocyte physiology toward a convergent aberrant phenotype. <i>Scientific Reports</i> , 2020, 10, 12031.	1.6	20
103	Type 2 diabetes: one disease, many pathways. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E410-E426.	1.8	33
104	Attenuation of Free Fatty Acid (FFA)-Induced Skeletal Muscle Cell Insulin Resistance by Resveratrol is Linked to Activation of AMPK and Inhibition of mTOR and p70 S6K. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4900.	1.8	34
105	Maintaining Blood Glucose Levels in Range (70-150 mg/dL) is Difficult in COVID-19 Compared to Non-COVID-19 ICU Patients—A Retrospective Analysis. <i>Journal of Clinical Medicine</i> , 2020, 9, 3635.	1.0	12
106	The triglyceride glucose index is a simple and low-cost marker associated with atherosclerotic cardiovascular disease: a population-based study. <i>BMC Medicine</i> , 2020, 18, 361.	2.3	130
107	The Potential Roles of Artemisinin and Its Derivatives in the Treatment of Type 2 Diabetes Mellitus. <i>Frontiers in Pharmacology</i> , 2020, 11, 585487.	1.6	23
108	Protective effect of the hydroalcoholic extract from <i>Lampaya medicinalis</i> Phil. (Verbenaceae) on palmitic acid- impaired insulin signaling in 3T3-L1 adipocytes. <i>Obesity Research and Clinical Practice</i> , 2020, 14, 573-579.	0.8	3

#	ARTICLE	IF	CITATIONS
109	Role of Phosphodiesterase in the Biology and Pathology of Diabetes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8244.	1.8	18
110	Insulin regulation of solute carrier family 2 member 1 (glucose transporter 1) expression and glucose uptake in decidualizing human endometrial stromal cells: an in vitro study. <i>Reproductive Biology and Endocrinology</i> , 2020, 18, 117.	1.4	4
111	Exploring the Role of a Novel Peptide from <i>Allomyrina dichotoma</i> Larvae in Ameliorating Lipid Metabolism in Obesity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8537.	1.8	7
112	Regulation of intracellular lipid storage and utilization. , 2020, , 131-156.		1
113	Sphingolipid Metabolism and Signaling in Skeletal Muscle: From Physiology to Physiopathology. <i>Frontiers in Endocrinology</i> , 2020, 11, 491.	1.5	37
114	Histone deacetylase 5 regulates interleukin 6 secretion and insulin action in skeletal muscle. <i>Molecular Metabolism</i> , 2020, 42, 101062.	3.0	15
115	Pregnancy-induced Cardiovascular Pathologies: Importance of Structural Components and Lipids. <i>American Journal of the Medical Sciences</i> , 2020, 360, 447-466.	0.4	7
116	Celastrol attenuates inflammatory responses in adipose tissues and improves skeletal muscle mitochondrial functions in high fat diet-induced obese rats via upregulation of AMPK/SIRT1 signaling pathways. <i>European Journal of Pharmacology</i> , 2020, 883, 173371.	1.7	26
117	Hyperglycemia-stimulating diet induces liver steatosis in sheep. <i>Scientific Reports</i> , 2020, 10, 12189.	1.6	15
118	Insulin: Trigger and Target of Renal Functions. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 519.	1.8	24
119	Ceramide Synthases Are Attractive Drug Targets for Treating Metabolic Diseases. <i>Frontiers in Endocrinology</i> , 2020, 11, 483.	1.5	36
120	Diabetes and insulin resistance. , 2020, , 361-377.		4
121	Potential risks of endoplasmic reticulum stress on vasculopathy in diabetes. <i>Obesity Medicine</i> , 2020, 19, 100274.	0.5	3
122	Regulatory Connections between Iron and Glucose Metabolism. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7773.	1.8	26
123	Associations Among Maternal Adiposity, Insulin, and Adipokines in Circulation and Human Milk. <i>Journal of Human Lactation</i> , 2021, 37, 714-722.	0.8	13
124	Extracellular ATP Increases Glucose Metabolism in Skeletal Muscle Cells in a P2 Receptor Dependent Manner but Does Not Contribute to Palmitate-Induced Insulin Resistance. <i>Frontiers in Physiology</i> , 2020, 11, 567378.	1.3	0
125	Ageing differentially impacts vasodilation and angiogenesis in arteries from the white and brown adipose tissues. <i>Experimental Gerontology</i> , 2020, 142, 111126.	1.2	12
126	Fluorescence Microscopy-Based Quantitation of GLUT4 Translocation: High Throughput or High Content?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7964.	1.8	9

#	ARTICLE	IF	CITATIONS
127	Antidiabetic and hepatoprotective potential of whole plant extract and isolated compounds of <i>Aeginetia indica</i> . <i>Biomedicine and Pharmacotherapy</i> , 2020, 132, 110942.	2.5	13
128	Adipocyte lipolysis drives acute stress-induced insulin resistance. <i>Scientific Reports</i> , 2020, 10, 18166.	1.6	29
129	Diet, Physical Activity and Adiposity as Determinants of Circulating Amino Acid Levels in a Multiethnic Asian Population. <i>Nutrients</i> , 2020, 12, 2603.	1.7	8
130	Exercise-Induced Improvements to Whole Body Glucose Metabolism in Type 2 Diabetes: The Essential Role of the Liver. <i>Frontiers in Endocrinology</i> , 2020, 11, 567.	1.5	22
131	A Cell-Autonomous Signature of Dysregulated Protein Phosphorylation Underlies Muscle Insulin Resistance in Type 2 Diabetes. <i>Cell Metabolism</i> , 2020, 32, 844-859.e5.	7.2	68
132	Effect of growth hormone on insulin signaling. <i>Molecular and Cellular Endocrinology</i> , 2020, 518, 111038.	1.6	32
133	Activation of AT ₂ receptors prevents diabetic complications in female db/db mice by NO-mediated mechanisms. <i>British Journal of Pharmacology</i> , 2020, 177, 4766-4781.	2.7	10
134	The Role of Pi, Glutamine and the Essential Amino Acids in Modulating the Metabolism in Diabetes and Cancer. <i>Journal of Diabetes and Metabolic Disorders</i> , 2020, 19, 1731-1775.	0.8	6
135	Emerging Links between Cadmium Exposure and Insulin Resistance: Human, Animal, and Cell Study Data. <i>Toxics</i> , 2020, 8, 63.	1.6	43
136	The Role of Nutrition in the Prevention and Intervention of Type 2 Diabetes. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 575442.	2.0	24
138	Novel Insights and Mechanisms of Lipotoxicity-Driven Insulin Resistance. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6358.	1.8	32
139	Myosteatosis in the Context of Skeletal Muscle Function Deficit: An Interdisciplinary Workshop at the National Institute on Aging. <i>Frontiers in Physiology</i> , 2020, 11, 963.	1.3	190
140	Membrane-bound sn-1,2-diacylglycerols explain the dissociation of hepatic insulin resistance from hepatic steatosis in MTP knockout mice. <i>Journal of Lipid Research</i> , 2020, 61, 1565-1576.	2.0	15
141	Insulin Resistance and Endometrial Cancer: Emerging Role for microRNA. <i>Cancers</i> , 2020, 12, 2559.	1.7	16
142	The Multifunctionality of CD36 in Diabetes Mellitus and Its Complications—Update in Pathogenesis, Treatment and Monitoring. <i>Cells</i> , 2020, 9, 1877.	1.8	40
143	Glucose transporters in cardiovascular system in health and disease. <i>Pflugers Archiv European Journal of Physiology</i> , 2020, 472, 1385-1399.	1.3	35
144	Effects of Diet versus Gastric Bypass on Metabolic Function in Diabetes. <i>New England Journal of Medicine</i> , 2020, 383, 721-732.	13.9	164
145	Combined effects of continuous exercise and intermittent active interruptions to prolonged sitting on postprandial glucose, insulin, and triglycerides in adults with obesity: a randomized crossover trial. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2020, 17, 152.	2.0	16

#	ARTICLE	IF	CITATIONS
146	Sex Hormone-Binding Globulin (SHBG) as an Early Biomarker and Therapeutic Target in Polycystic Ovary Syndrome. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8191.	1.8	74
147	Role of Inositols and Inositol Phosphates in Energy Metabolism. <i>Molecules</i> , 2020, 25, 5079.	1.7	73
148	2,3,5,6-Tetramethylpyrazine improves diet-induced whole-body insulin resistance via suppressing white adipose tissue lipolysis in mice. <i>Biochemical and Biophysical Research Communications</i> , 2020, 532, 605-612.	1.0	7
149	<i>Lactobacillus plantarum</i> And Inulin: Therapeutic Agents to Enhance Cardiac Ob Receptor Expression and Suppress Cardiac Apoptosis in Type 2 Diabetic Rats. <i>Journal of Diabetes Research</i> , 2020, 2020, 1-14.	1.0	10
150	Asa-seed extract prevents the renin-angiotensin system activation, oxidative stress and inflammation in white adipose tissue of high-fat diet-fed mice. <i>Nutrition Research</i> , 2020, 79, 35-49.	1.3	26
151	Glucose Response by Stem Cell-Derived β^2 Cells In Vitro Is Inhibited by a Bottleneck in Glycolysis. <i>Cell Reports</i> , 2020, 31, 107623.	2.9	72
152	Nanostructured polymer-based cochleates for effective transportation of insulin. <i>Journal of Molecular Liquids</i> , 2020, 311, 113352.	2.3	14
153	Liver Phenotypes of European Adults Heterozygous or Homozygous for β -Z Variant of AAT (β -MZ vs) β -ZZ. <i>Journal of Lipid Research</i> , 2020, 61, 100000.	0.6	63
154	Insulin resistance and heart disease. , 2020, , 113-155.		0
155	Development of a robust functional cell-based assay for replacing the rabbit blood sugar bioidentity test of insulin glargine drug substance. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 186, 113328.	1.4	4
157	Resistant dextrin improves high-fat-high-fructose diet induced insulin resistance. <i>Nutrition and Metabolism</i> , 2020, 17, 36.	1.3	16
158	Cardio-Metabolic Effects of High-Fat Diets and Their Underlying Mechanisms—A Narrative Review. <i>Nutrients</i> , 2020, 12, 1505.	1.7	89
159	The competitive athlete with type 1 diabetes. <i>Diabetologia</i> , 2020, 63, 1475-1490.	2.9	51
160	Wild rice (<i>Zizania</i> spp.): A review of its nutritional constituents, phytochemicals, antioxidant activities, and health-promoting effects. <i>Food Chemistry</i> , 2020, 331, 127293.	4.2	39
161	An Integrated Fecal Microbiome and Metabolomics in T2DM Rats Reveal Antidiabetes Effects from Host-Microbial Metabolic Axis of EtOAc Extract from <i>Sophora flavescens</i> . <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-25.	1.9	31
162	Insulin receptor endocytosis in the pathophysiology of insulin resistance. <i>Experimental and Molecular Medicine</i> , 2020, 52, 911-920.	3.2	71
163	Anti-Lipolysis Induced by Insulin in Diverse Pathophysiologic Conditions of Adipose Tissue. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2020, Volume 13, 1575-1585.	1.1	34
164	Scaffold Implant Into the Epididymal Adipose Tissue Protects Mice From High Fat Diet Induced Ectopic Lipid Accumulation and Hyperinsulinemia. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 562.	2.0	3

#	ARTICLE	IF	CITATIONS
165	Non-Coding RNAs as Potential Novel Biomarkers for Early Diagnosis of Hepatic Insulin Resistance. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4182.	1.8	21
166	Prenatal High-Salt Diet-Induced Metabolic Disorders via Decreasing Peroxisome Proliferator-Activated Receptor Gamma Coactivator 1 α in Adult Male Rat Offspring. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e2000196.	1.5	5
167	Assessment of insulin resistance in the skeletal muscle of mice using positron emission tomography/computed tomography imaging. <i>Biochemical and Biophysical Research Communications</i> , 2020, 528, 499-505.	1.0	1
168	Coronavirus and Obesity: Could Insulin Resistance Mediate the Severity of Covid-19 Infection?. <i>Frontiers in Public Health</i> , 2020, 8, 184.	1.3	53
169	Exercise and metabolic health: beyond skeletal muscle. <i>Diabetologia</i> , 2020, 63, 1464-1474.	2.9	134
170	Adipose tissue morphology, imaging and metabolomics predicting cardiometabolic risk and family history of type 2 diabetes in non-obese men. <i>Scientific Reports</i> , 2020, 10, 9973.	1.6	19
171	An oxide transport chain essential for balanced insulin action. <i>Atherosclerosis</i> , 2020, 298, 42-51.	0.4	3
172	One-leg inactivity induces a reduction in mitochondrial oxidative capacity, intramyocellular lipid accumulation and reduced insulin signalling upon lipid infusion: a human study with unilateral limb suspension. <i>Diabetologia</i> , 2020, 63, 1211-1222.	2.9	18
173	Childhood obesity and the associated rise in cardiometabolic complications. <i>Nature Metabolism</i> , 2020, 2, 223-232.	5.1	92
174	Role of c-Jun N-terminal Kinase (JNK) in Obesity and Type 2 Diabetes. <i>Cells</i> , 2020, 9, 706.	1.8	104
175	The effect of BPA exposure on insulin resistance and type 2 diabetes – The impact of muscle contraction. <i>Medical Hypotheses</i> , 2020, 140, 109675.	0.8	18
176	Intrahepatic Fat and Postprandial Glycemia Increase After Consumption of a Diet Enriched in Saturated Fat Compared With Free Sugars. <i>Diabetes Care</i> , 2020, 43, 1134-1141.	4.3	38
177	Non-invasive Quantification of Fat Deposits in Skeletal Muscle Predicts Cardiovascular Outcome in Kidney Failure. <i>Frontiers in Physiology</i> , 2020, 11, 130.	1.3	10
178	Both higher fitness level and higher current physical activity level may be required for intramyocellular lipid accumulation in non-athlete men. <i>Scientific Reports</i> , 2020, 10, 4102.	1.6	0
179	Reactive oxygen species (ROS) as pleiotropic physiological signalling agents. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 363-383.	16.1	2,341
180	Investigating the Security Threats on Networked Medical Devices. , 2020, , .		15
181	Type 2 diabetes – unmet need, unresolved pathogenesis, mTORC1-centric paradigm. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2020, 21, 613-629.	2.6	24
182	Are marine n-3 fatty acids protective towards insulin resistance? From cell to human. <i>Proceedings of the Nutrition Society</i> , 2020, 79, 417-427.	0.4	3

#	ARTICLE	IF	CITATIONS
183	Glucose transporters in adipose tissue, liver, and skeletal muscle in metabolic health and disease. <i>Pflugers Archiv European Journal of Physiology</i> , 2020, 472, 1273-1298.	1.3	216
184	Th2-Immune Polarizing and Anti-Inflammatory Properties of Insulin Are Not Effective in Type 2 Diabetic Pregnancy. <i>Journal of Immunology Research</i> , 2020, 2020, 1-12.	0.9	6
185	Prevalence of Insulin Resistance in the Hungarian General and Roma Populations as Defined by Using Data Generated in a Complex Health (Interview and Examination) Survey. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 4833.	1.2	31
186	Obesity Is Associated With Increased Basal and Postprandial β -Cell Insulin Secretion Even in the Absence of Insulin Resistance. <i>Diabetes</i> , 2020, 69, 2112-2119.	0.3	63
187	Ominous Octet and Other Scary Diabetes Stories. <i>Physician Assistant Clinics</i> , 2020, 5, 121-133.	0.1	5
188	Bioactive lipids, inflammation and chronic diseases. <i>Advanced Drug Delivery Reviews</i> , 2020, 159, 133-169.	6.6	151
189	Leptin as a Key Player in Insulin Resistance of Liver Cirrhosis? A Cross-Sectional Study in Liver Transplant Candidates. <i>Journal of Clinical Medicine</i> , 2020, 9, 560.	1.0	8
190	Senoinflammation: A major mediator underlying age-related metabolic dysregulation. <i>Experimental Gerontology</i> , 2020, 134, 110891.	1.2	15
191	High-Risk Atherosclerosis and Metabolic Phenotype: The Roles of Ectopic Adiposity, Atherogenic Dyslipidemia, and Inflammation. <i>Metabolic Syndrome and Related Disorders</i> , 2020, 18, 176-185.	0.5	76
192	Mitochondrial Dysfunction, Insulin Resistance, and Potential Genetic Implications. <i>Endocrinology</i> , 2020, 161, .	1.4	96
193	Deconstructing the Role of PKC Epsilon in Glucose Homeostasis. <i>Trends in Endocrinology and Metabolism</i> , 2020, 31, 344-356.	3.1	17
194	Nanoparticle-mediated in vitro delivery of E4orf1 to preadipocytes is a clinically relevant delivery system to improve glucose uptake. <i>International Journal of Obesity</i> , 2020, 44, 1607-1616.	1.6	7
195	Role of Hyperinsulinemia and Insulin Resistance in Hypertension: Metabolic Syndrome Revisited. <i>Canadian Journal of Cardiology</i> , 2020, 36, 671-682.	0.8	153
196	Review: Insulin resistance and mitochondrial dysfunction following severe burn injury. <i>Peptides</i> , 2020, 126, 170269.	1.2	10
197	Tri-ponderal mass index as a tool for insulin resistance prediction in overweight adolescents: A cross-sectional study. <i>Nutrition</i> , 2020, 74, 110744.	1.1	10
198	Complications, morbidity and mortality of nonalcoholic fatty liver disease. <i>Metabolism: Clinical and Experimental</i> , 2020, 111, 154170.	1.5	278
199	Role of Caveolin-1 in Diabetes and Its Complications. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-20.	1.9	66
200	Fibrillin-1 and fibrillin-1-derived asprosin in adipose tissue function and metabolic disorders. <i>Journal of Cell Communication and Signaling</i> , 2020, 14, 159-173.	1.8	34

#	ARTICLE	IF	CITATIONS
201	Social Stress Increases Vulnerability to High-Fat Diet-Induced Insulin Resistance by Enhancing Neutrophil Elastase Activity in Adipose Tissue. <i>Cells</i> , 2020, 9, 996.	1.8	8
202	Insulin resistance and obesity. , 2020, , 1-70.		0
203	Amelioration of High-Insulin-Induced Skeletal Muscle Cell Insulin Resistance by Resveratrol Is Linked to Activation of AMPK and Restoration of GLUT4 Translocation. <i>Nutrients</i> , 2020, 12, 914.	1.7	43
204	Mitophagy deficiency increases NLRP3 to induce brown fat dysfunction in mice. <i>Autophagy</i> , 2021, 17, 1205-1221.	4.3	53
205	Early postnatal stress impairs insulin secretion in response to psychological stress in adult rats. <i>Journal of Endocrinological Investigation</i> , 2021, 44, 277-286.	1.8	7
206	Tissue-Specific Effects of Leptin on Glucose and Lipid Metabolism. <i>Endocrine Reviews</i> , 2021, 42, 1-28.	8.9	78
207	SLC2A12 of SLC2 Gene Family in Bird Provides Functional Compensation for the Loss of SLC2A4 Gene in Other Vertebrates. <i>Molecular Biology and Evolution</i> , 2021, 38, 1276-1291.	3.5	12
208	Insulin resistance and exaggerated insulin sensitivity triggered by single-gene mutations in the insulin signaling pathway. <i>Diabetology International</i> , 2021, 12, 62-67.	0.7	19
209	Modulation of Insulin Sensitivity by Exercise Training: Implications for Cardiovascular Prevention. <i>Journal of Cardiovascular Translational Research</i> , 2021, 14, 256-270.	1.1	47
210	Role of O-linked N-acetylglucosamine in the homeostasis of metabolic organs, and its potential links with diabetes and its complications. <i>Journal of Diabetes Investigation</i> , 2021, 12, 130-136.	1.1	10
211	Significance of body mass index for diagnosing sarcopenia is equivalent to slow gait speed in Japanese individuals with type 2 diabetes: Cross-sectional study using outpatient clinical data. <i>Journal of Diabetes Investigation</i> , 2021, 12, 417-424.	1.1	11
212	d-allulose provides cardioprotective effect by attenuating cardiac mitochondrial dysfunction in obesity-induced insulin-resistant rats. <i>European Journal of Nutrition</i> , 2021, 60, 2047-2061.	1.8	12
213	Identification of potential bioactive compounds and mechanisms of GegenQinlian decoction on improving insulin resistance in adipose, liver, and muscle tissue by integrating system pharmacology and bioinformatics analysis. <i>Journal of Ethnopharmacology</i> , 2021, 264, 113289.	2.0	23
214	Nicotine™ actions on energy balance: Friend or foe?. , 2021, 219, 107693.		20
215	Silymarin is an ally against insulin resistance: A review. <i>Annals of Hepatology</i> , 2021, 23, 100255.	0.6	33
216	Insulin Resistance Is Central to Long-Term Reversal of Histologic Nonalcoholic Steatohepatitis After Metabolic Surgery. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 750-761.	1.8	13
217	Liver-specific dysregulation of clock-controlled output signal impairs energy metabolism in liver and muscle. <i>Biochemical and Biophysical Research Communications</i> , 2021, 534, 415-421.	1.0	7
218	Autophagy is not involved in lipid accumulation and the development of insulin resistance in skeletal muscle. <i>Biochemical and Biophysical Research Communications</i> , 2021, 534, 533-539.	1.0	4

#	ARTICLE	IF	CITATIONS
219	Insulin signalling in hypothalamic neurones. <i>Journal of Neuroendocrinology</i> , 2021, 33, e12919.	1.2	16
220	Mechanism of action of Imeglimin: A novel therapeutic agent for type 2 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2021, 23, 664-673.	2.2	76
221	Serum Uric Acid concentration is associated with insulin resistance and impaired insulin secretion in adults at risk for Type 2 Diabetes. <i>Primary Care Diabetes</i> , 2021, 15, 293-299.	0.9	18
222	Diabetes and stroke: An important complication. <i>Journal of Diabetes</i> , 2021, 13, 184-190.	0.8	16
223	Impact of prolonged fasting on insulin secretion, insulin action, and hepatic versus whole body insulin secretion disposition indices in healthy young males. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E281-E290.	1.8	13
224	Hepatic Insulin Resistance Is Not Pathway Selective in Humans With Nonalcoholic Fatty Liver Disease. <i>Diabetes Care</i> , 2021, 44, 489-498.	4.3	42
225	Diabetes, insulin resistance, and asthma: a review of potential links. <i>Current Opinion in Pulmonary Medicine</i> , 2021, 27, 29-36.	1.2	15
226	Metabolic changes induced by oral glucose tests in horses and their diagnostic use. <i>Journal of Veterinary Internal Medicine</i> , 2021, 35, 597-605.	0.6	11
227	Erythropoietin reduces fat mass in female mice lacking estrogen receptor alpha. <i>Molecular Metabolism</i> , 2021, 45, 101142.	3.0	4
228	The impact of EPA and DHA on ceramide lipotoxicity in the metabolic syndrome. <i>British Journal of Nutrition</i> , 2021, 125, 863-875.	1.2	15
229	Pyrazolone derivative C29 protects against HFD-induced obesity in mice via activation of AMPK in adipose tissue. <i>Acta Pharmacologica Sinica</i> , 2021, 42, 964-974.	2.8	4
230	Pathophysiological role of metabolic flexibility on metabolic health. <i>Obesity Reviews</i> , 2021, 22, e13131.	3.1	39
231	Recurrent Self-evolving Takagi-Sugeno-Kan Fuzzy Neural Network (RST-FNN) Based Type-2 Diabetic Modeling. <i>IFIP Advances in Information and Communication Technology</i> , 2021, , 125-136.	0.5	0
232	Impact of cardiometabolic disease on cognitive function. , 2021, , 357-368.		0
233	Association between insulin resistance and left ventricular hypertrophy in asymptomatic, Black, sub-Saharan African, hypertensive patients: a case-control study. <i>BMC Cardiovascular Disorders</i> , 2021, 21, 1.	0.7	64
234	Rosemary extract activates AMPK, inhibits mTOR and attenuates the high glucose and high insulin-induced muscle cell insulin resistance. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021, 46, 1-9.	0.9	7
235	Caffeine and mitochondria with a focus on the central nervous system. , 2021, , 413-437.		0
236	The role of miR-320 in glucose and lipid metabolism disorder-associated diseases. <i>International Journal of Biological Sciences</i> , 2021, 17, 402-416.	2.6	35

#	ARTICLE	IF	CITATIONS
237	The Metabolic Role of GRK2 in Insulin Resistance and Associated Conditions. <i>Cells</i> , 2021, 10, 167.	1.8	14
238	Blood glucose regulation in context of infection. <i>Vitamins and Hormones</i> , 2021, 117, 253-318.	0.7	7
239	Complications of Obesity. , 2021, , 95-116.		1
240	Pathophysiology of Neurogenic Obesity After Spinal Cord Injury. <i>Topics in Spinal Cord Injury Rehabilitation</i> , 2021, 27, 1-10.	0.8	27
241	The infundibular peptidergic neurons and glia cells in overeating, obesity, and diabetes. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2021, 180, 315-325.	1.0	0
242	Organ-organ communication: The liver's perspective. <i>Theranostics</i> , 2021, 11, 3317-3330.	4.6	30
243	Phenotypic and genotypic changes in obesity and type 2 diabetes of male KK mice with aging. <i>Experimental Animals</i> , 2022, 71, 71-81.	0.7	2
244	Whey peptides exacerbate body weight gain and perturb systemic glucose and tissue lipid metabolism in male high-fat fed mice. <i>Food and Function</i> , 2021, 12, 3552-3561.	2.1	0
245	Pancreatic steatosis in adult rats induced by nicotine exposure during breastfeeding. <i>Endocrine</i> , 2021, 72, 104-115.	1.1	3
246	Adolescent Obesity. , 2021, , .		0
247	Contribution of microbiota in obesity and obesity-related chronic diseases. , 2021, , 207-219.		1
248	Short-term overnutrition induces white adipose tissue insulin resistance through sn-1,2-diacylglycerol \hat{a} PKC \hat{u} \hat{a} insulin receptor T1160 phosphorylation. <i>JCI Insight</i> , 2021, 6, .	2.3	13
249	PREDICTION OF PROGRESSION OF ATHEROSCLEROSIS IN PATIENTS WITH TYPE 2 DIABETES MELLITUS AND CHRONIC PANCREATITIS. <i>EUREKA Health Sciences</i> , 2021, , 24-32.	0.1	0
250	Obesity-like metabolic effects of high-carbohydrate or high-fat diets consumption in metabolic and renal functions. <i>Archives of Physiology and Biochemistry</i> , 2021, , 1-11.	1.0	0
251	Impacts of Selected Dietary Nutrient Intakes on Skeletal Muscle Insulin Sensitivity and Applications to Early Prevention of Type 2 Diabetes. <i>Advances in Nutrition</i> , 2021, 12, 1305-1316.	2.9	8
252	What is Diabetes Remission?. <i>Diabetes Therapy</i> , 2021, 12, 641-646.	1.2	6
254	miR \hat{a} 467 regulates inflammation and blood insulin and glucose. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 2549-2562.	1.6	7
255	MG53 is not a critical regulator of insulin signaling pathway in skeletal muscle. <i>PLoS ONE</i> , 2021, 16, e0245179.	1.1	13

#	ARTICLE	IF	CITATIONS
256	Insulinâ€dependent glucose consumption dynamics in 3D primary human liver cultures measured by a sensitive and specific glucose sensor with nanoliter input volume. <i>FASEB Journal</i> , 2021, 35, e21305.	0.2	24
258	Systemic cross-talk between brain, gut, and peripheral tissues in glucose homeostasis: effects of exercise training (CROSSYS). Exercise training intervention in monozygotic twins discordant for body weight. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2021, 13, 16.	0.7	3
259	Role of Sphingosine Kinase in Type 2 Diabetes Mellitus. <i>Frontiers in Endocrinology</i> , 2020, 11, 627076.	1.5	18
260	Intermittent fasting: is there a role in the treatment of diabetes? A review of the literature and guide for primary care physicians. <i>Clinical Diabetes and Endocrinology</i> , 2021, 7, 3.	1.3	45
262	Role of PDK1 in skeletal muscle hypertrophy induced by mechanical load. <i>Scientific Reports</i> , 2021, 11, 3447.	1.6	8
263	Removal of Epididymal Visceral Adipose Tissue Prevents Obesity-Induced Multi-organ Insulin Resistance in Male Mice. <i>Journal of the Endocrine Society</i> , 2021, 5, bvab024.	0.1	16
264	Metforminium Decavanadate (MetfDeca) Treatment Ameliorates Hippocampal Neurodegeneration and Recognition Memory in a Metabolic Syndrome Model. <i>Neurochemical Research</i> , 2021, 46, 1151-1165.	1.6	10
266	Visceral fat area to appendicular muscle mass ratio as a predictor for nonalcoholic fatty liver disease independent of obesity. <i>Scandinavian Journal of Gastroenterology</i> , 2021, 56, 312-320.	0.6	13
267	Hepatobiliary phenotypes of adults with alpha-1 antitrypsin deficiency. <i>Gut</i> , 2022, 71, 415-423.	6.1	28
268	Obesity as a <sc>multisystem</sc> disease: Trends in obesity rates and <sc>obesityâ€™related</sc> complications. <i>Diabetes, Obesity and Metabolism</i> , 2021, 23, 3-16.	2.2	133
269	The Hypothalamo-Hypophyseal System: Age and Major Noncommunicable Diseases (malignant neoplasms) Tj ETQq0 0 0 rgBT /Overlock Behavioral Physiology, 2021, 51, 270-278.	0.2	0
270	Omega-3FAs Can Inhibit the Inflammation and Insulin Resistance of Adipose Tissue Caused by HHcy Induced Lipids Profile Changing in Mice. <i>Frontiers in Physiology</i> , 2021, 12, 628122.	1.3	2
271	The Endothelium as a Therapeutic Target in Diabetes: A Narrative Review and Perspective. <i>Frontiers in Physiology</i> , 2021, 12, 638491.	1.3	20
272	Cell type-specific modulation of healthspan by Forkhead family transcription factors in the nervous system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	9
273	A Review on nanoparticles as a promising approach to improving diabetes mellitus. <i>Journal of Physics: Conference Series</i> , 2021, 1853, 012056.	0.3	2
274	Dual-specificity phosphatase 3 deletion promotes obesity, non-alcoholic steatohepatitis and hepatocellular carcinoma. <i>Scientific Reports</i> , 2021, 11, 5817.	1.6	3
275	Exercise protects against cardiac and skeletal muscle dysfunction in a mouse model of inflammatory arthritis. <i>Journal of Applied Physiology</i> , 2021, 130, 853-864.	1.2	4
276	The Potential Role of Exosomes in Child and Adolescent Obesity. <i>Children</i> , 2021, 8, 196.	0.6	12

#	ARTICLE	IF	CITATIONS
277	Revealing lipid droplets evolution at nanoscale under proteohormone stimulation by a BODIPY-hexylcarbazole derivative. <i>Biosensors and Bioelectronics</i> , 2021, 175, 112871.	5.3	16
278	New insight into the role of isorhamnetin as a regulator of insulin signaling pathway in type 2 diabetes mellitus rat model: Molecular and computational approach. <i>Biomedicine and Pharmacotherapy</i> , 2021, 135, 111176.	2.5	25
279	Hyperinsulinemia and insulin resistance in the obese may develop as part of a homeostatic response to elevated free fatty acids: A mechanistic case-control and a population-based cohort study. <i>EBioMedicine</i> , 2021, 65, 103264.	2.7	51
280	Exercise—A Panacea of Metabolic Dysregulation in Cancer: Physiological and Molecular Insights. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3469.	1.8	9
281	The regulatory role of insulin in energy metabolism and leukocyte functions. <i>Journal of Leukocyte Biology</i> , 2021, 111, 197-208.	1.5	16
282	Molecular mechanisms of insulin resistance in normal pregnancy and gestational diabetes. <i>Shidnoevropejskij Zurnal Vnutrisnoi Ta Simejnoi Medicini</i> , 2021, 2021, 22-30.	0.0	0
283	The “Jekyll and Hyde” of Gluconeogenesis: Early Life Adversity, Later Life Stress, and Metabolic Disturbances. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3344.	1.8	21
284	Exploring the Genetic Conception of Obesity via the Dual Role of FoxO. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3179.	1.8	6
285	Adipose tissue and age-dependent insulin resistance: New insights into WAT browning (Review). <i>International Journal of Molecular Medicine</i> , 2021, 47, .	1.8	8
286	The preventive effect of total saponins from <i>Panax japonicus</i> on inflammation and insulin resistance in adipose tissue of mice induced by a high-fat diet. <i>Journal of Functional Foods</i> , 2021, 78, 104369.	1.6	2
287	Insulin Resistance across the Spectrum of Nonalcoholic Fatty Liver Disease. <i>Metabolites</i> , 2021, 11, 155.	1.3	44
288	Downregulation of Candidate Gene Expression and Neuroprotection by Piperine in Streptozotocin-Induced Hyperglycemia and Memory Impairment in Rats. <i>Frontiers in Pharmacology</i> , 2020, 11, 595471.	1.6	12
289	Therapeutic Advances in Diabetes, Autoimmune, and Neurological Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2805.	1.8	8
290	Pyruvate Dehydrogenase as a Therapeutic Target for Nonalcoholic Fatty Liver Disease. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 582-588.	2.5	14
291	Insulin on the brain: The role of central insulin signalling in energy and glucose homeostasis. <i>Journal of Neuroendocrinology</i> , 2021, 33, e12947.	1.2	11
292	Oral administration of mangiferin ameliorates diabetes in animal models: a meta-analysis and systematic review. <i>Nutrition Research</i> , 2021, 87, 57-69.	1.3	6
293	miR-93-5p promotes insulin resistance to regulate type 2 diabetes progression in HepG2 cells by targeting HGF. <i>Molecular Medicine Reports</i> , 2021, 23, .	1.1	8
294	C-Peptide as a Therapy for Type 1 Diabetes Mellitus. <i>Biomedicines</i> , 2021, 9, 270.	1.4	20

#	ARTICLE	IF	CITATIONS
295	Loss of bone morphogenetic protein-binding endothelial regulator causes insulin resistance. <i>Nature Communications</i> , 2021, 12, 1927.	5.8	10
296	Maintaining Digestive Health in Diabetes: The Role of the Gut Microbiome and the Challenge of Functional Foods. <i>Microorganisms</i> , 2021, 9, 516.	1.6	15
297	FoxO1 suppresses Fgf21 during hepatic insulin resistance to impair peripheral glucose utilization and acute cold tolerance. <i>Cell Reports</i> , 2021, 34, 108893.	2.9	14
298	Regulatory effects of protein S-acylation on insulin secretion and insulin action. <i>Open Biology</i> , 2021, 11, 210017.	1.5	9
299	Exercise retards ongoing adipose tissue fibrosis in diet-induced obese mice. <i>Endocrine Connections</i> , 2021, 10, 325-335.	0.8	9
300	Hepatic nNOS impaired hepatic insulin sensitivity through the activation of p38 MAPK. <i>Journal of Endocrinology</i> , 2021, 248, 265-275.	1.2	3
301	Dâ€ribose: Potential clinical applications in congestive heart failure and diabetes, and its complications (Review). <i>Experimental and Therapeutic Medicine</i> , 2021, 21, 496.	0.8	13
302	Aging Regulated Through a Stability Model of Insulin/Insulin Growth Factor Receptor Function. <i>Frontiers in Endocrinology</i> , 2021, 12, 649880.	1.5	5
303	Beneficial effects of whole-body cryotherapy on glucose homeostasis and amino acid profile are associated with a reduced myostatin serum concentration. <i>Scientific Reports</i> , 2021, 11, 7097.	1.6	11
304	Nonalcoholic fatty liver disease and cardiovascular concerns: The time for hepatologist and cardiologist close collaboration. <i>World Journal of Meta-analysis</i> , 2021, 9, 164-175.	0.1	2
305	Gestational Diabetes Mellitus and Maternal Immune Dysregulation: What We Know So Far. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4261.	1.8	38
306	The Role of Mitochondrial Adaptation and Metabolic Flexibility in the Pathophysiology of Obesity and Insulin Resistance: an Updated Overview. <i>Current Obesity Reports</i> , 2021, 10, 191-213.	3.5	20
307	Direct and indirect control of hepatic glucose production by insulin. <i>Cell Metabolism</i> , 2021, 33, 709-720.	7.2	61
308	Long non-coding RNA Meg3 deficiency impairs glucose homeostasis and insulin signaling by inducing cellular senescence of hepatic endothelium in obesity. <i>Redox Biology</i> , 2021, 40, 101863.	3.9	27
309	Metabolically healthy obese vs. Metabolic syndrome â€“ The crosslink between nutritional exposure to bisphenols and physical exercise. <i>Medical Hypotheses</i> , 2021, 149, 110542.	0.8	5
310	A new degree of complexi(n)ty in the regulation of GLUT4 trafficking. <i>Biochemical Journal</i> , 2021, 478, 1315-1319.	1.7	0
311	The many actions of insulin in skeletal muscle, the paramount tissue determining glycemia. <i>Cell Metabolism</i> , 2021, 33, 758-780.	7.2	124
312	Palmitic Acid Regulates miRNA-3148 via Insulin Receptor Substrate-1 and is Involved in Insulin Resistance. <i>Journal of Biomaterials and Tissue Engineering</i> , 2021, 11, 767-771.	0.0	2

#	ARTICLE	IF	CITATIONS
313	Effects of Overexpression of Neurosecretory Protein GL-Precursor Gene on Glucose Homeostasis and Insulin Sensitivity in Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4681.	1.8	12
314	Insulin Signaling in Arthritis. <i>Frontiers in Immunology</i> , 2021, 12, 672519.	2.2	19
315	Insulin action in adipocytes, adipose remodeling, and systemic effects. <i>Cell Metabolism</i> , 2021, 33, 748-757.	7.2	51
316	Metabolic Markers Demonstrate the Heterogeneity of Myosteatosis in Community-Dwelling Older Black Men from the Health ABC Study. <i>Metabolites</i> , 2021, 11, 224.	1.3	0
317	Malondialdehyde but Not Methylglyoxal Impairs Insulin Signaling, NO Production, and Endothelial Barrier. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2021, 15, 195-200.	0.3	2
318	ADESAO AO AUTOCUIDADO NO TRATAMENTO DOS PACIENTES DIABÉTICOS NA UNIDADE BÁSICA DE SAÚDE DE CAJAZEIRAS-PB.. <i>Saúde</i> , 2021, 47, .	0.1	0
319	The mTOR signaling is involved in autophagy, lipid droplets and liver disease. <i>Autophagy</i> , 2022, 18, 50-72.	4.3	113
320	Nonalcoholic fatty liver disease and cardiovascular concerns: The time for hepatologist and cardiologist close collaboration. <i>World Journal of Meta-analysis</i> , 2021, 9, 163-174.	0.1	0
321	The protein kinase D1-mediated inflammatory pathway is involved in olanzapine-induced impairment of skeletal muscle insulin signaling in rats. <i>Life Sciences</i> , 2021, 270, 119037.	2.0	2
322	Obesity and Insulin Resistance: A Review of Molecular Interactions. <i>Current Molecular Medicine</i> , 2021, 21, 182-193.	0.6	14
323	Burn-induced hypermetabolism and skeletal muscle dysfunction. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 321, C58-C71.	2.1	19
324	100 th anniversary of the discovery of insulin perspective: insulin and adipose tissue fatty acid metabolism. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E653-E670.	1.8	35
325	<i>Physiological Reviews</i> : The past, the present, and the future. <i>Physiological Reviews</i> , 2021, 101, 733-738.	18.1	3
327	Relationship of triglyceride-glucose index with chronic limb-threatening ischemia in lower extremity peripheral artery disease. <i>Vascular</i> , 2022, 30, 455-462.	0.4	2
328	Bicyclol Regulates Hepatic Gluconeogenesis in Rats with Type 2 Diabetes and Non-alcoholic Fatty Liver Disease by Inhibiting Inflammation. <i>Frontiers in Pharmacology</i> , 2021, 12, 644129.	1.6	5
329	Androgen-induced gut dysbiosis disrupts glucolipid metabolism and endocrinal functions in polycystic ovary syndrome. <i>Microbiome</i> , 2021, 9, 101.	4.9	50
330	Comparisons of calorie restriction and structured exercise on reductions in visceral and abdominal subcutaneous adipose tissue: a systematic review. <i>European Journal of Clinical Nutrition</i> , 2022, 76, 184-195.	1.3	14
331	Sex differences in the IntelliCage and the Morris water maze in the APP/PS1 mouse model of amyloidosis. <i>Neurobiology of Aging</i> , 2021, 101, 130-140.	1.5	39

#	ARTICLE	IF	CITATIONS
332	Efficacy and safety of ertugliflozin in patients with type 2 diabetes mellitus and established cardiovascular disease using insulin: A<sc>VERTIS CV</sc>substudy. <i>Diabetes, Obesity and Metabolism</i> , 2021, 23, 1640-1651.	2.2	8
333	Insulin Resistance and Diabetes Mellitus in Alzheimer's Disease. <i>Cells</i> , 2021, 10, 1236.	1.8	73
334	In Patients With Obesity, the Number of Adipose Tissue Mast Cells Is Significantly Lower in Subjects With Type 2 Diabetes. <i>Frontiers in Immunology</i> , 2021, 12, 664576.	2.2	11
335	Glucose Metabolism in Burns—What Happens?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5159.	1.8	7
336	Peripheral Insulin Regulates a Broad Network of Gene Expression in Hypothalamus, Hippocampus, and Nucleus Accumbens. <i>Diabetes</i> , 2021, 70, 1857-1873.	0.3	21
337	Point: An alternative hypothesis for why exposure to static magnetic and electric fields treats type 2 diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E999-E1000.	1.8	3
338	Therapeutic effect of oxyberberine on obese non-alcoholic fatty liver disease rats. <i>Phytomedicine</i> , 2021, 85, 153550.	2.3	23
339	Cell-autonomous defects contribute to insulin resistance in skeletal muscle. <i>Journal of Diabetes Investigation</i> , 2021, 12, 1136-1137.	1.1	1
340	Considerations for Maximizing the Exercise "Drug" to Combat Insulin Resistance: Role of Nutrition, Sleep, and Alcohol. <i>Nutrients</i> , 2021, 13, 1708.	1.7	7
341	Protective effects of calorie restriction on insulin resistance and islet function in STZ-induced type 2 diabetes rats. <i>Nutrition and Metabolism</i> , 2021, 18, 48.	1.3	10
342	Skeletal endocrinology: where evolutionary advantage meets disease. <i>Bone Research</i> , 2021, 9, 28.	5.4	8
343	Phosphorylated and O-GlcNAc Modified IRS-1 (Ser1101) and -2 (Ser1149) Contribute to Human Diabetes Type II. <i>Protein and Peptide Letters</i> , 2021, 28, 333-339.	0.4	10
344	Increased insulin and GLUT2 gene expression and elevated glucokinase activity in β -like cells of islets of langerhans differentiated from human haematopoietic stem cells on treatment with <i>Costus igneus</i> leaf extract. <i>Molecular Biology Reports</i> , 2021, 48, 4477-4485.	1.0	2
345	Prophylactic Use of Natural Products against Developmentally Programmed Metabolic Syndrome. <i>Planta Medica</i> , 2021, , .	0.7	1
346	Review of ginsenosides targeting mitochondrial function to treat multiple disorders: Current status and perspectives. <i>Journal of Ginseng Research</i> , 2021, 45, 371-379.	3.0	20
347	A sociological treatment exploring the medical model in relation to the neurodiversity movement with reference to policy and practice. <i>Evidence and Policy</i> , 2021, 17, 363-381.	0.5	9
348	Mechanisms and disease consequences of nonalcoholic fatty liver disease. <i>Cell</i> , 2021, 184, 2537-2564.	13.5	757
349	The immune-opioid axis in prediabetes: predicting prediabetes with insulin resistance by plasma interleukin-10 and endomorphin-2 to kappa-opioid receptors ratio. <i>Diabetology and Metabolic Syndrome</i> , 2021, 13, 61.	1.2	4

#	ARTICLE	IF	CITATIONS
350	GIPR agonism mediates weight-independent insulin sensitization by tirzepatide in obese mice. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	78
351	The promising roles of medicinal plants and bioactive compounds on hepatic lipid metabolism in the treatment of non-alcoholic fatty liver disease in animal models: molecular targets. <i>Archives of Physiology and Biochemistry</i> , 2023, 129, 1262-1278.	1.0	5
352	Pterostilbene Improves Insulin Resistance Caused by Advanced Glycation End Products (AGEs) in Hepatocytes and Mice. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2100321.	1.5	6
353	Non-alcoholic fatty liver disease and sarcopenia additively increase mortality: a Korean nationwide survey. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 964-972.	2.9	28
354	Mechanisms linking gut microbial metabolites to insulin resistance. <i>World Journal of Diabetes</i> , 2021, 12, 730-744.	1.3	15
355	Emerging therapeutic approaches for the treatment of NAFLD and type 2 diabetes mellitus. <i>Nature Reviews Endocrinology</i> , 2021, 17, 484-495.	4.3	224
357	Beta-klotho in type 2 diabetes mellitus: From pathophysiology to therapeutic strategies. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2021, 22, 1091-1109.	2.6	14
358	Sphingosine 1-phosphate metabolism and insulin signaling. <i>Cellular Signalling</i> , 2021, 82, 109959.	1.7	18
359	Triglyceride-lowering and anti-inflammatory mechanisms of omega-3 polyunsaturated fatty acids for atherosclerotic cardiovascular risk reduction. <i>Journal of Clinical Lipidology</i> , 2021, 15, 556-568.	0.6	17
360	Longdan Xiegan Tang attenuates liver injury and hepatic insulin resistance by regulating the angiotensin-converting enzyme 2/Ang (1-7)/Mas axis-mediated anti-inflammatory pathway in rats. <i>Journal of Ethnopharmacology</i> , 2021, 274, 114072.	2.0	3
361	MicroRNA-191 blocking the translocation of GLUT4 is involved in arsenite-induced hepatic insulin resistance through inhibiting the IRS1/AKT pathway. <i>Ecotoxicology and Environmental Safety</i> , 2021, 215, 112130.	2.9	14
363	Barrier maintenance by S1P during inflammation and sepsis. <i>Tissue Barriers</i> , 2021, 9, 1940069.	1.6	5
364	Molecular Insulin Actions Are Sexually Dimorphic in Lipid Metabolism. <i>Frontiers in Endocrinology</i> , 2021, 12, 690484.	1.5	14
365	<i>Buchholzia coriacea</i> seed (wonderful kolanut) alleviates insulin resistance, steatosis, inflammation and oxidative stress in high fat diet model of fatty liver disease. <i>Journal of Food Biochemistry</i> , 2022, 46, e13836.	1.2	3
366	Alterações induzidas pela dieta com diferentes concentrações de amido resistente no metabolismo de carboidratos e de lipídeos, em ratos Wistar. <i>Research, Society and Development</i> , 2021, 10, e18110716448.	0.0	0
367	Role of adenosine monophosphate-activated protein kinase as a regulator of cell energy balance in patients with metabolic disorders. <i>Ukrainian Therapeutical Journal</i> , 2021, , .	0.0	0
368	Modulation of TRIB3 and Macrophage Phenotype to Attenuate Insulin Resistance After Downhill Running in Mice. <i>Frontiers in Physiology</i> , 2021, 12, 637432.	1.3	3
369	Ameliorative Effects of Oral Glucosamine on Insulin Resistance and Pancreatic Tissue Damage in Experimental Wistar rats on a High-fat Diet. <i>Comparative Medicine</i> , 2021, 71, 215-221.	0.4	3

#	ARTICLE	IF	CITATIONS
370	Research Status and Progress of Nutritional Support Therapy for Ovarian Cancer. <i>Nutrition and Cancer</i> , 2022, 74, 1519-1526.	0.9	2
371	The aetiology and molecular landscape of insulin resistance. <i>Nature Reviews Molecular Cell Biology</i> , 2021, 22, 751-771.	16.1	221
373	Age-related susceptibility to insulin resistance arises from a combination of CPT1B decline and lipid overload. <i>BMC Biology</i> , 2021, 19, 154.	1.7	12
374	Emerging Targets in Type 2 Diabetes and Diabetic Complications. <i>Advanced Science</i> , 2021, 8, e2100275.	5.6	133
375	Role of Long Non-Coding RNAs and the Molecular Mechanisms Involved in Insulin Resistance. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7256.	1.8	23
376	Novel insights into the pathological mechanisms of metabolic related dyslipidemia. <i>Molecular Biology Reports</i> , 2021, 48, 5675-5687.	1.0	12
377	Cellular protein markers, therapeutics, and drug delivery strategies in the treatment of diabetes-associated liver fibrosis. <i>Advanced Drug Delivery Reviews</i> , 2021, 174, 127-139.	6.6	16
378	A Narrative Review on the Role of AMPK on De Novo Lipogenesis in Non-Alcoholic Fatty Liver Disease: Evidence from Human Studies. <i>Cells</i> , 2021, 10, 1822.	1.8	24
379	Differential DNA Methylation and Expression of miRNAs in Adipose Tissue From Twin Pairs Discordant for Type 2 Diabetes. <i>Diabetes</i> , 2021, 70, 2402-2418.	0.3	5
380	Subcutaneous Adipose Tissue Metabolic Function and Insulin Sensitivity in People With Obesity. <i>Diabetes</i> , 2021, 70, 2225-2236.	0.3	13
381	The metabolic-epigenetic nexus in type 2 diabetes mellitus. <i>Free Radical Biology and Medicine</i> , 2021, 170, 194-206.	1.3	16
382	Exposure to a low concentration of mixed organochlorine pesticides impairs glucose metabolism and mitochondrial function in L6 myotubes and zebrafish. <i>Journal of Hazardous Materials</i> , 2021, 414, 125437.	6.5	18
383	Impact of Diabetes Mellitus on the Potential of Autologous Stem Cells and Stem Cellâ€‘Derived Microvesicles to Repair the Ischemic Heart. <i>Cardiovascular Drugs and Therapy</i> , 2022, 36, 933-949.	1.3	2
384	Visceral Adiposity Index is associated with Insulin Resistance, impaired Insulin Secretion, and Î²-cell dysfunction in subjects at risk for Type 2 Diabetes. <i>Diabetes Epidemiology and Management</i> , 2021, , 100013.	0.4	2
385	Insulin Directly Regulates the Circadian Clock in Adipose Tissue. <i>Diabetes</i> , 2021, 70, 1985-1999.	0.3	12
386	Non-Coding RNAs: Novel Players in Insulin Resistance and Related Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7716.	1.8	15
387	Circulating Levels of the Short-Chain Fatty Acid Acetate Mediate the Effect of the Gut Microbiome on Visceral Fat. <i>Frontiers in Microbiology</i> , 2021, 12, 711359.	1.5	86
388	Insulin action at a molecular level â€‘ 100 years of progress. <i>Molecular Metabolism</i> , 2021, 52, 101304.	3.0	103

#	ARTICLE	IF	CITATIONS
389	The metabolic role of spermidine in obesity: Evidence from cells to community. <i>Obesity Research and Clinical Practice</i> , 2021, 15, 315-326.	0.8	10
390	Preproglucagon Products and Their Respective Roles Regulating Insulin Secretion. <i>Endocrinology</i> , 2021, 162, .	1.4	1
391	CD36 Signal Transduction in Metabolic Diseases: Novel Insights and Therapeutic Targeting. <i>Cells</i> , 2021, 10, 1833.	1.8	19
392	The association of circulating miR-191 and miR-375 expression levels with markers of insulin resistance in overweight children: an exploratory analysis of the I.Family Study. <i>Genes and Nutrition</i> , 2021, 16, 10.	1.2	7
394	Current Status of Endoplasmic Reticulum Stress in Type II Diabetes. <i>Molecules</i> , 2021, 26, 4362.	1.7	19
395	Deletion of the diabetes candidate gene <i>Slc16a13</i> in mice attenuates diet-induced ectopic lipid accumulation and insulin resistance. <i>Communications Biology</i> , 2021, 4, 826.	2.0	6
396	The Accumulation and Molecular Effects of Trimethylamine N-Oxide on Metabolic Tissues: It's Not All Bad. <i>Nutrients</i> , 2021, 13, 2873.	1.7	21
397	Strength training improves insulin resistance and differently affects mitochondria in skeletal muscle and visceral adipose tissue in high-fat fed mice. <i>Life Sciences</i> , 2021, 278, 119639.	2.0	7
398	The PPAR α /AMPK Connection in the Treatment of Insulin Resistance. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8555.	1.8	17
399	Management of Obesity in Cardiovascular Practice. <i>Journal of the American College of Cardiology</i> , 2021, 78, 513-531.	1.2	36
400	Metabolic Changes of Hepatocytes in NAFLD. <i>Frontiers in Physiology</i> , 2021, 12, 710420.	1.3	46
401	Tetrahedral Framework Nucleic Acids Ameliorate Insulin Resistance in Type 2 Diabetes Mellitus via the PI3K/Akt Pathway. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 40354-40364.	4.0	30
402	One hundred years of insulin therapy. <i>Nature Reviews Endocrinology</i> , 2021, 17, 715-725.	4.3	49
403	Exercise-nutrient interactions for improved postprandial glycemic control and insulin sensitivity. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021, 46, 856-865.	0.9	10
405	The Pancreatic β -cell Response to Secretory Demands and Adaption to Stress. <i>Endocrinology</i> , 2021, 162, .	1.4	18
406	Current and emerging gluconeogenesis inhibitors for the treatment of Type 2 diabetes. <i>Expert Opinion on Pharmacotherapy</i> , 2021, 22, 2167-2179.	0.9	7
407	miR-183 and miR-96 orchestrate both glucose and fat utilization in skeletal muscle. <i>EMBO Reports</i> , 2021, 22, e52247.	2.0	7
408	Organ Crosstalk and the Modulation of Insulin Signaling. <i>Cells</i> , 2021, 10, 2082.	1.8	24

#	ARTICLE	IF	CITATIONS
409	Nutritional Profile, Antioxidative and Antihyperglycemic Properties of <i>Padina tetrastratica</i> from Tioman Island, Malaysia. <i>Foods</i> , 2021, 10, 1932.	1.9	7
410	Hyperpolarized NMR study of the impact of pyruvate dehydrogenase kinase inhibition on the pyruvate dehydrogenase and TCA flux in type 2 diabetic rat muscle. <i>Pflugers Archiv European Journal of Physiology</i> , 2021, 473, 1761-1773.	1.3	2
411	Effects of Intermittent Fasting on the Circulating Levels and Circadian Rhythms of Hormones. <i>Endocrinology and Metabolism</i> , 2021, 36, 745-756.	1.3	29
412	The predominant role of glucose as a building block and precursor of reducing equivalents. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2021, Publish Ahead of Print, 555-562.	1.3	2
414	Adipose tissue cadmium concentrations as a potential risk factor for insulin resistance and future type 2 diabetes mellitus in GraMo adult cohort. <i>Science of the Total Environment</i> , 2021, 780, 146359.	3.9	15
415	The effect of hypothyroidism on referential background metabolic activity on 18F-FDG PET/CT. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 3666-3676.	1.1	3
417	An extensive and dynamic trans-omic network illustrating prominent regulatory mechanisms in response to insulin in the liver. <i>Cell Reports</i> , 2021, 36, 109569.	2.9	7
418	Dietary Control of Inflammation and Resolution. <i>Frontiers in Nutrition</i> , 2021, 8, 709435.	1.6	9
419	A map of metabolic phenotypes in patients with myalgic encephalomyelitis/chronic fatigue syndrome. <i>JCI Insight</i> , 2021, 6, .	2.3	22
420	Multifactorial Basis and Therapeutic Strategies in Metabolism-Related Diseases. <i>Nutrients</i> , 2021, 13, 2830.	1.7	27
421	Mechanisms affecting brain remodeling in depression: do all roads lead to impaired fibrinolysis?. <i>Molecular Psychiatry</i> , 2022, 27, 525-533.	4.1	15
422	Insulin Signal Transduction Perturbations in Insulin Resistance. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8590.	1.8	55
423	Treatment of type 2 diabetes in children: what are the specific considerations?. <i>Expert Opinion on Pharmacotherapy</i> , 2021, 22, 1-15.	0.9	5
424	Distribution of HOMA-IR in a population-based cohort and proposal for reference intervals. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021, 59, 1844-1851.	1.4	14
425	Mitochondrial haplogroups have a better correlation to insulin requirement than nuclear genetic variants for type 2 diabetes mellitus in Taiwanese individuals. <i>Journal of Diabetes Investigation</i> , 2022, 13, 201-208.	1.1	4
426	Liraglutide treatment counteracts alterations in adipose tissue metabolism induced by orchietomy in rats. <i>Life Sciences</i> , 2021, 278, 119586.	2.0	4
427	Role of insulin and insulin-like growth factor I receptor expression in the pathogenesis of genital endometriosis. <i>Journal of Obstetrics and Women's Diseases</i> , 2021, 70, 65-74.	0.0	2
428	The Interactions of Insulin and Vitamin A Signaling Systems for the Regulation of Hepatic Glucose and Lipid Metabolism. <i>Cells</i> , 2021, 10, 2160.	1.8	14

#	ARTICLE	IF	CITATIONS
429	From obesity to Alzheimer's disease through insulin resistance. <i>Journal of Diabetes and Its Complications</i> , 2021, 35, 108026.	1.2	24
430	Updated systematic review and meta-analysis on diagnostic issues and the prognostic impact of myosteatosis: A new paradigm beyond sarcopenia. <i>Ageing Research Reviews</i> , 2021, 70, 101398.	5.0	79
431	Glycomacropeptide for Management of Insulin Resistance and Liver Metabolic Perturbations. <i>Biomedicines</i> , 2021, 9, 1140.	1.4	7
432	The Role of the β Cell in the Pathogenesis of Diabetes: A World beyond the Mirror. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9504.	1.8	13
433	Retinoic acid exerts sexually dimorphic effects on muscle energy metabolism and function. <i>Journal of Biological Chemistry</i> , 2021, 297, 101101.	1.6	5
434	Non-Coding RNA as Biomarkers for Type 2 Diabetes Development and Clinical Management. <i>Frontiers in Endocrinology</i> , 2021, 12, 630032.	1.5	30
435	Relationship between alcohol consumption and insulin resistance measured using the homeostatic model assessment for insulin resistance: A retrospective cohort study of 280,194 people. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021, 31, 2842-2850.	1.1	3
437	Exercise, Physical Activity, and Cardiometabolic Health. <i>Cardiology in Review</i> , 2022, 30, 134-144.	0.6	5
438	Towards Understanding the Direct and Indirect Actions of Growth Hormone in Controlling Hepatocyte Carbohydrate and Lipid Metabolism. <i>Cells</i> , 2021, 10, 2532.	1.8	21
439	The role of hepatic lipid composition in obesity-related metabolic disease. <i>Liver International</i> , 2021, 41, 2819-2835.	1.9	23
440	Effect of Exercise Training on Fat Loss—Energetic Perspectives and the Role of Improved Adipose Tissue Function and Body Fat Distribution. <i>Frontiers in Physiology</i> , 2021, 12, 737709.	1.3	24
441	Biochemical and immunological changes in obesity. <i>Archives of Biochemistry and Biophysics</i> , 2021, 708, 108951.	1.4	20
442	FGF15/FGF19 alleviates insulin resistance and upregulates placental IRS1/GLUT expression in pregnant mice fed a high-fat diet. <i>Placenta</i> , 2021, 112, 81-88.	0.7	9
443	Novel strategies for glycaemic control and preventing diabetic complications applying the clustering-based classification of adult-onset diabetes mellitus: A perspective. <i>Diabetes Research and Clinical Practice</i> , 2021, 180, 109067.	1.1	24
444	Dynamic interplay between Afadin S1795 phosphorylation and diet regulates glucose homeostasis in obese mice. <i>Journal of Physiology</i> , 2021, .	1.3	4
445	Signaling defects associated with insulin resistance in nondiabetic and diabetic individuals and modification by sex. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	27
446	Assessment of Insulin Secretion and Insulin Resistance in Human. <i>Diabetes and Metabolism Journal</i> , 2021, 45, 641-654.	1.8	52
447	Insulin resistance in cardiovascular disease, uremia, and peritoneal dialysis. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 721-730.	3.1	27

#	ARTICLE	IF	CITATIONS
448	Hepatocyte-specific suppression of ANGPTL4 improves obesity-associated diabetes and mitigates atherosclerosis in mice. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	46
449	Cliquidone ameliorates hepatic insulin resistance in streptozotocin-induced diabetic Sur1 rats. <i>European Journal of Pharmacology</i> , 2021, 906, 174221.	1.7	1
450	Combination of Metformin and Exercise in Management of Metabolic Abnormalities Observed in Type 2 Diabetes Mellitus. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2021, Volume 14, 4043-4057.	1.1	5
451	Trimetazidine Attenuates Heart Failure by Improving Myocardial Metabolism via AMPK. <i>Frontiers in Pharmacology</i> , 2021, 12, 707399.	1.6	14
452	Isthmin-1 is an adipokine that promotes glucose uptake and improves glucose tolerance and hepatic steatosis. <i>Cell Metabolism</i> , 2021, 33, 1836-1852.e11.	7.2	56
453	Microtubules in insulin action: whatâ€™s on the tube?. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 776-789.	3.1	6
454	Taurine ameliorates oxidative stress by regulating PI3K/Akt/GLUT4 pathway in HepG2 cells and diabetic rats. <i>Journal of Functional Foods</i> , 2021, 85, 104629.	1.6	9
455	Arsenic disrupts neuronal insulin signaling through increasing free PI3K-p85 and decreasing PI3K activity. <i>Toxicology Letters</i> , 2021, 349, 40-50.	0.4	9
456	NLRP3 inflammasome blocked the glycolytic pathway via targeting to PKLR in arsenic-induced hepatic insulin resistance. <i>Ecotoxicology and Environmental Safety</i> , 2021, 223, 112590.	2.9	10
457	Intestine-liver crosstalk in Type 2 Diabetes and non-alcoholic fatty liver disease. <i>Metabolism: Clinical and Experimental</i> , 2021, 123, 154844.	1.5	20
458	Development of FABP4/5 inhibitors with potential therapeutic effect on type 2 Diabetes Mellitus. <i>European Journal of Medicinal Chemistry</i> , 2021, 224, 113720.	2.6	6
459	Missense variant in insulin receptor (Y1355H) segregates in family with fatty liver disease. <i>Molecular Metabolism</i> , 2021, 53, 101299.	3.0	1
460	Protein kinase C theta (Prkcq) affects nerve degeneration and regeneration through the c-fos and c-jun pathways in injured rat sciatic nerves. <i>Experimental Neurology</i> , 2021, 346, 113843.	2.0	3
461	Dietary citrate acutely induces insulin resistance and markers of liver inflammation in mice. <i>Journal of Nutritional Biochemistry</i> , 2021, 98, 108834.	1.9	7
462	Looking into the possibilities of cure of the type 2 diabetes mellitus by nanoparticle-based RNAi and CRISPR-Cas9 system: A review. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 66, 102830.	1.4	5
463	Docosahexaenoic acid-rich fish oil prevented insulin resistance by modulating gut microbiome and promoting colonic peptide YY expression in diet-induced obesity mice. <i>Food Science and Human Wellness</i> , 2022, 11, 177-188.	2.2	4
464	SENP2 is vital for optimal insulin signaling and insulin-stimulated glycogen synthesis in human skeletal muscle cells. <i>Current Research in Pharmacology and Drug Discovery</i> , 2021, 2, 100061.	1.7	1
465	Insulin and aging. <i>Vitamins and Hormones</i> , 2021, 115, 185-219.	0.7	14

#	ARTICLE	IF	CITATIONS
466	CD146 is a Novel ANGPTL2 Receptor that Promotes Obesity by Manipulating Lipid Metabolism and Energy Expenditure. <i>Advanced Science</i> , 2021, 8, 2004032.	5.6	24
467	MiR-3138 deteriorates the insulin resistance of HUVECs via KSR2/AMPK/GLUT4 signaling pathway. <i>Cell Cycle</i> , 2021, 20, 353-368.	1.3	6
468	The Triglyceride-Glucose Index, an Insulin Resistance Marker, Was Non-linear Associated With All-Cause and Cardiovascular Mortality in the General Population. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 628109.	1.1	67
469	Effect of different phosphatidylcholines on high fat diet-induced insulin resistance in mice. <i>Food and Function</i> , 2021, 12, 1516-1528.	2.1	54
470	Growth hormone receptor disrupts glucose homeostasis via promoting and stabilizing retinol binding protein 4. <i>Theranostics</i> , 2021, 11, 8283-8300.	4.6	10
471	Nonalcoholic Fatty Liver Disease and Cardiovascular Diseases: The Heart of the Matter. <i>Canadian Journal of Gastroenterology and Hepatology</i> , 2021, 2021, 1-11.	0.8	17
472	Molecular Mechanisms of Glucocorticoid-Induced Insulin Resistance. <i>International Journal of Molecular Sciences</i> , 2021, 22, 623.	1.8	89
473	Non-coding RNAs Related to Lipid Metabolism and Non-alcoholic Fatty Liver Disease. , 2021, , 73-88.		0
474	Apigenin Ameliorates Insulin Resistance and Lipid Accumulation by Endoplasmic Reticulum Stress and SREBP-1c/SREBP-2 Pathway in Palmitate-Induced HepG2 Cells and High-Fat Diet-Fed Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2021, 377, 146-156.	1.3	35
475	MiR-34a-5p and miR-452-5p: The Novel Regulators of Pancreatic Endocrine Dysfunction in Diabetic Zucker Rats?. <i>International Journal of Medical Sciences</i> , 2021, 18, 3171-3181.	1.1	13
476	Glycomacropeptide: A Bioactive Milk Derivative to Alleviate Metabolic Syndrome Outcomes. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 201-222.	2.5	13
477	Insulin reverses choriocarcinoma 5- fluorouracil resistance. <i>Bioengineered</i> , 2021, 12, 2087-2094.	1.4	7
478	Suicidal Erythrocyte Death in Metabolic Syndrome. <i>Antioxidants</i> , 2021, 10, 154.	2.2	18
479	Mifepristone Improves Adipose Tissue Insulin Sensitivity in Insulin Resistant Individuals. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 1501-1515.	1.8	13
480	Effect of a Low-Fat Vegan Diet on Body Weight, Insulin Sensitivity, Postprandial Metabolism, and Intramyocellular and Hepatocellular Lipid Levels in Overweight Adults. <i>JAMA Network Open</i> , 2020, 3, e2025454.	2.8	85
481	Pathophysiology and Management of Dyslipidemias Associated with Insulin-Resistant States. <i>Contemporary Cardiology</i> , 2021, , 307-322.	0.0	3
482	Ginsenoside Rg5 relieves type 2 diabetes by improving hepatic insulin resistance in db/db mice. <i>Journal of Functional Foods</i> , 2020, 71, 104014.	1.6	21
483	An Innovative Short-Clustered Maltodextrin as Starch Substitute for Ameliorating Postprandial Glucose Homeostasis. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 354-367.	2.4	23

#	ARTICLE	IF	CITATIONS
484	Î ¹ -Carrageenan Tetrasaccharide from Î ¹ -Carrageenan Inhibits Islet Î ² Cell Apoptosis Via the Upregulation of GLP-1 to Inhibit the Mitochondrial Apoptosis Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 212-222.	2.4	9
485	Insulin and Î ² -adrenergic receptors mediate lipolytic and anti-lipolytic signalling that is not altered by type 2 diabetes in human adipocytes. <i>Biochemical Journal</i> , 2019, 476, 2883-2908.	1.7	26
486	DhHP-6 ameliorates hepatic oxidative stress and insulin resistance in type 2 diabetes mellitus through the PI3K/AKT and AMPK pathway. <i>Biochemical Journal</i> , 2020, 477, 2363-2381.	1.7	16
487	Cigarette smoking blocks the benefit from reduced weight gain for insulin action by shifting lipids deposition to muscle. <i>Clinical Science</i> , 2020, 134, 1659-1673.	1.8	4
488	Mitophagy-mediated adipose inflammation contributes to type 2 diabetes with hepatic insulin resistance. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	66
490	A feed-forward regulatory loop in adipose tissue promotes signaling by the hepatokine FGF21. <i>Genes and Development</i> , 2021, 35, 133-146.	2.7	26
491	RIPK3-mediated inflammation is a conserved Î ² cell response to ER stress. <i>Science Advances</i> , 2020, 6, .	4.7	33
492	HYPOGLYCEMIC AND HYPOLIPIDEMIC ACTIVITY OF ARGININE CONTAINING BEARBERRY LEAVES EXTRACT IN INSULIN RESISTANT RATS. <i>Medical and Clinical Chemistry</i> , 2020, , 5-10.	0.1	2
493	Increased ATP synthesis might counteract hepatic lipid accumulation in acromegaly. <i>JCI Insight</i> , 2020, 5, .	2.3	21
494	Leptin decreases de novo lipogenesis in patients with lipodystrophy. <i>JCI Insight</i> , 2020, 5, .	2.3	35
495	Free fatty acid processing diverges in human pathologic insulin resistance conditions. <i>Journal of Clinical Investigation</i> , 2020, 130, 3592-3602.	3.9	35
496	Global proteomic analysis of insulin receptor interactors in glomerular podocytes. <i>Wellcome Open Research</i> , 2020, 5, 202.	0.9	2
497	Pathogenesis of Insulin Resistance and Atherogenic Dyslipidemia in Nonalcoholic Fatty Liver Disease. <i>Journal of Clinical and Translational Hepatology</i> , 2019, 7, 1-9.	0.7	43
498	Relationship between plasma S-Klotho and cardiometabolic risk in sedentary adults. <i>Aging</i> , 2020, 12, 2698-2710.	1.4	21
499	Metformin: the updated protective property in kidney disease. <i>Aging</i> , 2020, 12, 8742-8759.	1.4	21
500	Effect of icaraside II and metformin on penile erectile function, glucose metabolism, reaction oxygen species, superoxide dismutase, and mitochondrial autophagy in type 2 diabetic rats with erectile dysfunction. <i>Translational Andrology and Urology</i> , 2020, 9, 355-366.	0.6	12
501	Common Pathological Mechanisms and Risk Factors for Alzheimerâ€™s Disease and Type-2 Diabetes: Focus on Inflammation. <i>Current Alzheimer Research</i> , 2019, 16, 986-1006.	0.7	7
502	GPCRs and Insulin Receptor Signaling in Conversation: Novel Avenues for Drug Discovery. <i>Current Topics in Medicinal Chemistry</i> , 2019, 19, 1436-1444.	1.0	4

#	ARTICLE	IF	CITATIONS
503	Whey Peptides Stimulate Differentiation and Lipid Metabolism in Adipocytes and Ameliorate Lipotoxicity-Induced Insulin Resistance in Muscle Cells. <i>Nutrients</i> , 2020, 12, 425.	1.7	22
504	Bone health in diabetes and prediabetes. <i>World Journal of Diabetes</i> , 2019, 10, 421-445.	1.3	56
505	Remodeling of whole-body lipid metabolism and a diabetic-like phenotype caused by loss of CDK1 and hepatocyte division. <i>ELife</i> , 2020, 9, .	2.8	15
506	Role of vitamin D and insulin resistance in polycystic ovary syndrome. <i>Journal of Advanced Biomedical and Pharmaceutical Sciences</i> , 2021, 4, 186-194.	0.3	0
507	Oxysterol 7- α -Hydroxylase (CYP7B1) Attenuates Metabolic-Associated Fatty Liver Disease in Mice at Thermoneutrality. <i>Cells</i> , 2021, 10, 2656.	1.8	10
508	Role of Pancreatic Stellate Cell-Derived Exosomes in Pancreatic Cancer-Related Diabetes: A Novel Hypothesis. <i>Cancers</i> , 2021, 13, 5224.	1.7	12
509	Obesity and Cardiovascular Disease: The Emerging Role of Inflammation. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 768119.	1.1	24
510	Modulating effects of capsaicin on glucose homeostasis and the underlying mechanism. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 3634-3652.	5.4	11
511	Serum- and glucocorticoid-induced kinase drives hepatic insulin resistance by directly inhibiting AMP-activated protein kinase. <i>Cell Reports</i> , 2021, 37, 109785.	2.9	12
512	Transcriptome analysis reveals disruption of circadian rhythms in late gestation dairy cows may increase risk for fatty liver and reduced mammary remodeling. <i>Physiological Genomics</i> , 2021, 53, 441-455.	1.0	6
513	Structural Ensemble of the Insulin Monomer. <i>Biochemistry</i> , 2021, 60, 3125-3136.	1.2	5
514	Pathophysiology of Physical Inactivity-Dependent Insulin Resistance: A Theoretical Mechanistic Review Emphasizing Clinical Evidence. <i>Journal of Diabetes Research</i> , 2021, 2021, 1-12.	1.0	16
515	In Vitro Effects of Cyanidin-3-O-Glucoside on Inflammatory and Insulin-Sensitizing Genes in Human Adipocytes Exposed to Palmitic Acid. <i>Chemistry and Biodiversity</i> , 2021, , e2100607.	1.0	3
516	Metabolic Messengers: tumour necrosis factor. <i>Nature Metabolism</i> , 2021, 3, 1302-1312.	5.1	155
517	Specific Deletion of CASK in Pancreatic β -Cells Affects Glucose Homeostasis and Improves Insulin Sensitivity in Obese Mice by Reducing Hyperinsulinemia. <i>Diabetes</i> , 2022, 71, 104-115.	0.3	5
518	MG53 marks poor beta cell performance and predicts onset of type 2 diabetes in subjects with different degrees of glucose tolerance.. <i>Diabetes and Metabolism</i> , 2022, 48, 101292.	1.4	4
519	<i>CIDEA</i> expression in SAT from adolescent girls with obesity and unfavorable patterns of abdominal fat distribution. <i>Obesity</i> , 2021, 29, 2068-2080.	1.5	1
520	Overexpression of the Gene Encoding Neurosecretory Protein GL Precursor Prevents Excessive Fat Accumulation in the Adipose Tissue of Mice Fed a Long-Term High-Fat Diet. <i>Molecules</i> , 2021, 26, 6006.	1.7	4

#	ARTICLE	IF	CITATIONS
521	Comorbidity of non-alcoholic fatty liver disease and cardiovascular disease: focus on ademetionine and ursodeoxycholic acid. <i>Medical Alphabet</i> , 2021, 1, 13-20.	0.0	1
522	Insulin Resistance and Metabolic Syndrome in Patients with Seborrheic Dermatitis: A Caseâ€“Control Study. <i>Metabolic Syndrome and Related Disorders</i> , 2021, , .	0.5	3
524	Exploring the Epigenetic Regulatory Role of m6A-Associated SNPs in Type 2 Diabetes Pathogenesis. <i>Pharmacogenomics and Personalized Medicine</i> , 2021, Volume 14, 1369-1378.	0.4	6
525	An ultrasensitive electrochemical aptasensor based on a single-stranded aptamer-Au@Fe-MIL-88 complex using methylene blue as an electrochemical probe for insulin detection. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 7451-7462.	1.9	9
526	Molecular aspects of fructose metabolism and metabolic disease. <i>Cell Metabolism</i> , 2021, 33, 2329-2354.	7.2	100
527	Effect of Caloric Restriction on Aging: Fixing the Problems of Nutrient Sensing in Postmitotic Cells?. <i>Biochemistry (Moscow)</i> , 2021, 86, 1352-1367.	0.7	8
528	Impaired Muscle Mitochondrial Function in Familial Partial Lipodystrophy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, 346-362.	1.8	6
529	Exercise prevents fatty liver by modifying the compensatory response of mitochondrial metabolism to excess substrate availability. <i>Molecular Metabolism</i> , 2021, 54, 101359.	3.0	11
530	Electroacupuncture at Bilateral ST36 Acupoints: Inducing the Hypoglycemic Effect through Enhancing Insulin Signal Proteins in a Streptozotocin-Induced Rat Model during Isoflurane Anesthesia. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-8.	0.5	3
531	Structures and interactions of insulinâ€“like peptides from cone snail venom. <i>Proteins: Structure, Function and Bioinformatics</i> , 2022, 90, 680-690.	1.5	5
532	Dietary Monosodium Glutamate Does Not Affect the Electrocardiographic Profiles of Diabetic and Nondiabetic Wistar Rats. <i>Food and Nutrition Sciences (Print)</i> , 2019, 10, 613-625.	0.2	0
535	Pancreatic Islet Transplantation: A Surgical Approach to Type 1 Diabetes Treatment. , 2020, , 655-664.		0
536	Underlying Mechanism of Insulin Resistance: A Bioinformatics Analysis Based on Validated Related-Genes from Public Disease Databases. <i>Medical Science Monitor</i> , 2020, 26, e924334.	0.5	3
537	Does chronic hepatitis B infection have an impact on fasting blood glucose levels and fatty liver development?. <i>Journal of Surgery and Medicine</i> , 0, , .	0.0	1
541	Lipohypertrophy: prevalence, clinical consequence, and pathogenesis. <i>Chinese Medical Journal</i> , 2021, 134, 47-49.	0.9	6
543	The â€œLevine effectâ€“and the father of modern diabetes research. <i>Journal of Biological Chemistry</i> , 2021, 297, 101356.	1.6	0
544	MicroRNA-506 modulates insulin resistance in human adipocytes by targeting S6K1 and altering the IRS1/PI3K/AKT insulin signaling pathway. <i>Journal of Bioenergetics and Biomembranes</i> , 2021, 53, 679-692.	1.0	6

#	ARTICLE	IF	CITATIONS
545	Towards Drug Repurposing in Cancer Cachexia: Potential Targets and Candidates. <i>Pharmaceuticals</i> , 2021, 14, 1084.	1.7	7
546	The Role of Obesity-Induced Perivascular Adipose Tissue (PVAT) Dysfunction in Vascular Homeostasis. <i>Nutrients</i> , 2021, 13, 3843.	1.7	40
547	Î2-Arrestins as Important Regulators of Glucose and Energy Homeostasis. <i>Annual Review of Physiology</i> , 2022, 84, 17-40.	5.6	14
549	Synbiotic supplementation for glycemic status in pregnant women: a meta-analysis of randomized clinical trials. <i>Gynecological Endocrinology</i> , 2021, 37, 146-151.	0.7	4
550	Blood Cortisol Level in Patients with Metabolic Syndrome and Its Correlation with Parameters of Lipid and Carbohydrate Metabolisms. <i>International Journal of Biochemistry Research & Review</i> , 0, , 149-158.	0.1	0
551	COVID-19 and obesity: the meeting of two pandemics. <i>Archives of Endocrinology and Metabolism</i> , 2020, 65, 3-13.	0.3	10
553	Does sufficient 25-hydroxyvitamin D mean lower metabolic risk for women?. <i>Mediterranean Journal of Nutrition and Metabolism</i> , 2020, 13, 311-318.	0.2	0
554	Antidiabetic herbal biomolecules. , 2022, , 407-434.		0
555	Juice from leaves of cacti of the genus <i>Pereskia</i> : effect on the physiological parameters of Wistar rats. <i>Ciencia Animal Brasileira</i> , 0, 21, .	0.3	1
556	Pathophysiology and Risk Factors of Diabetes. <i>Stroke Revisited</i> , 2021, , 15-24.	0.2	0
557	YKL-40 a sensitive biomarker for early androgenetic alopecia and early hidden metabolic syndrome. <i>International Journal of Trichology</i> , 2020, 12, 49.	0.1	2
559	Physiological Functions of Kestose and Practical Approaches for Its Commercial Application. <i>Nihon EiyÅ•ShokuryÅ•Gakkai Shi = Nippon EiyÅ•ShokuryÅ•Gakkaishi = Journal of Japanese Society of Nutrition and Food Science</i> , 2020, 73, 123-131.	0.2	0
560	Novel Adipose Tissue Targets to Prevent and Treat Atherosclerosis. <i>Handbook of Experimental Pharmacology</i> , 2020, , 1.	0.9	1
561	White and Brown Adipose Tissue in Obesity and Diabetes. , 2020, , 55-69.		0
562	Measuring Insulin Resistance in Humans. <i>Hormone Research in Paediatrics</i> , 2020, 93, 577-588.	0.8	10
563	Soy Isoflavone Genistein Is a Potential Agent for Metabolic Syndrome Treatment: A Narrative Review. <i>Journal of Advances in Medical and Biomedical Research</i> , 2020, 28, 64-75.	0.1	3
564	Assessment of Calf Skeletal Muscle in Male Type 2 Diabetes Mellitus Patients With Different Courses Using T1Î•Mapping. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e1699-e1709.	1.8	0
565	Dietary Antioxidant Anthocyanins Mitigate Type II Diabetes through Improving the Disorder of Glycometabolism and Insulin Resistance. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 13350-13363.	2.4	12

#	ARTICLE	IF	CITATIONS
566	Immunological Mechanisms of Sickness Behavior in Viral Infection. <i>Viruses</i> , 2021, 13, 2245.	1.5	11
567	Increased Circulating Levels of Ectodysplasin A in Newly Diagnosed Type 2 Diabetic Patients. <i>Frontiers in Endocrinology</i> , 2021, 12, 737624.	1.5	2
568	An integrative transcriptional logic model of hepatic insulin resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	10
569	Biochemical Pathways and Modeling. <i>Clinical Obstetrics and Gynecology</i> , 2021, 64, 12-19.	0.6	0
570	Emerging concepts in metabolically healthy obesity. <i>American Journal of Cardiovascular Disease</i> , 2020, 10, 48-61.	0.5	5
571	Thiamine reduced metabolic syndrome symptoms in rats via down-regulation of hepatic nuclear factor- κ B and induction activity of glyoxalase-I. <i>Iranian Journal of Basic Medical Sciences</i> , 2021, 24, 293-299.	1.0	0
572	regulates diabetes-induced mechanical nociceptive hypersensitivity. <i>MicroPublication Biology</i> , 2021, 2021, .	0.1	0
573	Direct and indirect actions of insulin: role of insulin receptor, glucose transporters (GLUTs), and sodium-glucose linked transporters (SGLTs). , 2022, , 179-201.		5
574	A novel regulatory mechanism of geniposide for improving glucose homeostasis mediated by circulating RBP4. <i>Phytomedicine</i> , 2022, 95, 153862.	2.3	7
575	Insight of the role of mitochondrial calcium homeostasis in hepatic insulin resistance. <i>Mitochondrion</i> , 2022, 62, 128-138.	1.6	1
576	Perspectives on diacylglycerol-induced improvement of insulin sensitivity in type 2 diabetes. <i>Food Science and Human Wellness</i> , 2022, 11, 230-237.	2.2	5
577	Protective and Therapeutic Effects of Orlistat on Metabolic Syndrome and Oxidative Stress in High-Fat Diet-Induced Metabolic Dysfunction-Associated Fatty Liver Disease (MAFLD) in Rats: Role on Nrf2 Activation. <i>Veterinary Sciences</i> , 2021, 8, 274.	0.6	10
578	Association Between Aspartate Aminotransferase to Alanine Aminotransferase Ratio and Incidence of Type 2 Diabetes Mellitus in the Japanese Population: A Secondary Analysis of a Retrospective Cohort Study. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2021, Volume 14, 4483-4495.	1.1	9
579	Mathematical modelling of root causes of hyperglycemia and hypoglycemia in a diabetes mellitus patient. <i>Scientific African</i> , 2021, 14, e01042.	0.7	1
580	GABA administration improves liver function and insulin resistance in offspring of type 2 diabetic rats. <i>Scientific Reports</i> , 2021, 11, 23155.	1.6	10
582	Alpha-1 antitrypsin deficiency: A re-surfacing adult liver disorder. <i>Journal of Hepatology</i> , 2022, 76, 946-958.	1.8	30
583	<i>In Silico</i> Prediction of Potential Drug Combinations for Type 2 Diabetes Mellitus by an Integrated Network and Transcriptome Analysis. <i>ChemMedChem</i> , 2022, 17, .	1.6	3
584	Pathophysiology of type 2 diabetes and the impact of altered metabolic interorgan crosstalk. <i>FEBS Journal</i> , 2023, 290, 620-648.	2.2	22

#	ARTICLE	IF	CITATIONS
585	High-Fat Diets-Induced Metabolic Disorders to Study Molecular Mechanism of Hyperlipidemia in Rats. 3BIO Journal of Biological Science Technology and Management, 2021, 3, 38-50.	0.3	1
586	Mechanisms Driving Palmitate-Mediated Neuronal Dysregulation in the Hypothalamus. Cells, 2021, 10, 3120.	1.8	6
587	Is an Exercise Intervention the only way to Reduce Visceral Fat without Reducing Fat-free Mass in Children and Adolescents?. Exercise Medicine, 0, 5, 2.	0.0	1
588	Lipolysis: cellular mechanisms for lipid mobilization from fat stores. Nature Metabolism, 2021, 3, 1445-1465.	5.1	208
589	The Impact of Dysmetabolic Sarcopenia Among Insulin Sensitive Tissues: A Narrative Review. Frontiers in Endocrinology, 2021, 12, 716533.	1.5	27
590	Islet Biology During COVID-19: Progress and Perspectives. Canadian Journal of Diabetes, 2022, 46, 419-427.	0.4	2
591	Similar Metabolic Health in Overweight/Obese Individuals With Contrasting Metabolic Flexibility to an Oral Glucose Tolerance Test. Frontiers in Nutrition, 2021, 8, 745907.	1.6	1
592	The role of mitochondrial reactive oxygen species in insulin resistance. Free Radical Biology and Medicine, 2022, 179, 339-362.	1.3	19
593	Association of obesity with serum free fatty acid levels in individuals at different stages of prediabetes. Clinical Obesity, 2021, , e12496.	1.1	5
594	Oral Subacute Exposure to Cadmium LOAEL Dose Induces Insulin Resistance and Impairment of the Hormonal and Metabolic Liver-Adipose Axis in Wistar Rats. Biological Trace Element Research, 2022, 200, 4370-4384.	1.9	17
595	Nutrition and Weight Management in Midlife. , 2022, , 283-305.		0
596	Islet-on-a-chip for the study of pancreatic β -cell function. In Vitro Models, 2022, 1, 41-57.	1.0	7
597	Dyrk1b promotes hepatic lipogenesis by bypassing canonical insulin signaling and directly activating mTORC2 in mice. Journal of Clinical Investigation, 2022, 132, .	3.9	20
599	Adrenomedullin ameliorates palmitic acid-induced insulin resistance through PI3K/Akt pathway in adipocytes. Acta Diabetologica, 2022, 59, 661-673.	1.2	9
600	Gentiopicroside targets PAQR3 to activate the PI3K/AKT signaling pathway and ameliorate disordered glucose and lipid metabolism. Acta Pharmaceutica Sinica B, 2022, 12, 2887-2904.	5.7	26
601	Skeletal muscle as a treatment target for older adults with diabetes mellitus: The importance of a multimodal intervention based on functional category. Geriatrics and Gerontology International, 2022, 22, 110-120.	0.7	16
602	Ubiquitinated gasdermin D mediates arsenic-induced pyroptosis and hepatic insulin resistance in rat liver. Food and Chemical Toxicology, 2022, 160, 112771.	1.8	6
603	Mechanisms underlying the pathophysiology of type 2 diabetes: From risk factors to oxidative stress, metabolic dysfunction, and hyperglycemia. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2022, 874-875, 503437.	0.9	34

#	ARTICLE	IF	CITATIONS
604	Mevalonate pathway orchestrates insulin signaling via RAB14 geranylgeranylation-mediated phosphorylation of AKT to regulate hepatic glucose metabolism. <i>Metabolism: Clinical and Experimental</i> , 2022, 128, 155120.	1.5	3
605	The structures of two polysaccharides from <i>Angelica sinensis</i> and their effects on hepatic insulin resistance through blocking RAGE. <i>Carbohydrate Polymers</i> , 2022, 280, 119001.	5.1	19
606	How exposure to chronic stress contributes to the development of type 2 diabetes: A complexity science approach. <i>Frontiers in Neuroendocrinology</i> , 2022, 65, 100972.	2.5	15
607	Engineering a Rapid Insulin Release System Controlled By Oral Drug Administration. <i>Advanced Science</i> , 2022, 9, e2105619.	5.6	8
608	An update on mode of action of metformin in modulation of meta-inflammation and inflammaging. <i>Pharmacological Reports</i> , 2022, , 1.	1.5	12
609	Fluorescence microscopy-based quantitation of GLUT4 translocation. <i>Methods and Applications in Fluorescence</i> , 2022, 10, 022001.	1.1	4
610	Obesity, Body Image Dissatisfaction, and Sexual Dysfunction: A Narrative Review. <i>Sexes</i> , 2022, 3, 20-39.	0.5	4
611	Grain-Based Dietary Background Impairs Restoration of Blood Flow and Skeletal Muscle During Hindlimb Ischemia in Comparison With Low-Fat and High-Fat Diets. <i>Frontiers in Nutrition</i> , 2021, 8, 809732.	1.6	3
612	Effects of Different Anesthesia and Analgesia Methods on Insulin Resistance in Patients with Gastric Cancer after Operation. <i>Advances in Clinical Medicine</i> , 2022, 12, 470-476.	0.0	0
613	In Vitro Characterisation Revealed Himalayan Dairy <i>Kluyveromyces marxianus</i> PCH397 as Potential Probiotic with Therapeutic Properties. <i>Probiotics and Antimicrobial Proteins</i> , 2023, 15, 761-773.	1.9	11
614	Carnosic Acid Attenuates the Free Fatty Acid-Induced Insulin Resistance in Muscle Cells and Adipocytes. <i>Cells</i> , 2022, 11, 167.	1.8	14
615	Which BMI for Diabetes Patients is Better? From the View of the Adipose Tissue Macrophage-Derived Exosome. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2022, Volume 15, 141-153.	1.1	4
616	FACI Is a Novel CREB-Induced Protein That Inhibits Intestinal Lipid Absorption and Reverses Diet-Induced Obesity. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022, 13, 1365-1391.	2.3	6
617	Mechanisms and Active Compounds Polysaccharides and Bibenzyls of Medicinal Dendrobiums for Diabetes Management. <i>Frontiers in Nutrition</i> , 2021, 8, 811870.	1.6	7
618	Trends in Antidiabetic Drug Discovery: FDA Approved Drugs, New Drugs in Clinical Trials and Global Sales. <i>Frontiers in Pharmacology</i> , 2021, 12, 807548.	1.6	64
619	Why does obesity cause diabetes?. <i>Cell Metabolism</i> , 2022, 34, 11-20.	7.2	183
620	Effects of Chronic Arginase Inhibition with Norvaline on Tau Pathology and Brain Glucose Metabolism in Alzheimer's Disease Mice. <i>Neurochemical Research</i> , 2022, 47, 1255-1268.	1.6	6
621			

#	ARTICLE	IF	CITATIONS
622	Insulin resistance in patients with psoriasis. <i>Mã-Å¼narodnij Endokrinologã-Änij Å½urnal</i> , 2021, 17, 570-574.	0.1	1
623	Insulin, Nobel laureates and <i><i>The Journal of Physiology</i></i> . <i>Journal of Physiology</i> , 2022, 600, 1269-1270.	1.3	0
624	Polycystic Ovary Syndrome: An Evolutionary Adaptation to Lifestyle and the Environment. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1336.	1.2	30
625	Anti-hyperglycemic effects of <i>Eryngium billardierei</i> F. Delaroche extract on insulin-resistance HepG2 cells in vitro. <i>Molecular Biology Reports</i> , 2022, 49, 3401-3411.	1.0	7
626	A comprehensive review on phytochemicals for fatty liver: are they potential adjuvants?. <i>Journal of Molecular Medicine</i> , 2022, 100, 411-425.	1.7	5
627	Insulin Resistance: From Mechanisms to Therapeutic Strategies. <i>Diabetes and Metabolism Journal</i> , 2022, 46, 15-37.	1.8	196
628	Impact of Sarcopenia and Myosteatorsis in Non-Cirrhotic Stages of Liver Diseases: Similarities and Differences across Aetiologies and Possible Therapeutic Strategies. <i>Biomedicines</i> , 2022, 10, 182.	1.4	15
629	Crosstalk Communications Between Islets Cells and Insulin Target Tissue: The Hidden Face of Iceberg. <i>Frontiers in Endocrinology</i> , 2022, 13, 836344.	1.5	14
630	Bisphenol F suppresses insulin-stimulated glucose metabolism in adipocytes by inhibiting IRS-1/PI3K/AKT pathway. <i>Ecotoxicology and Environmental Safety</i> , 2022, 231, 113201.	2.9	16
631	Effect of Sex Hormone-Binding Globulin on Polycystic Ovary Syndrome: Mechanisms, Manifestations, Genetics, and Treatment. <i>International Journal of Women's Health</i> , 2022, Volume 14, 91-105.	1.1	28
632	Interactions of intrinsically disordered proteins with the unconventional chaperone human serum albumin: From mechanisms of amyloid inhibition to therapeutic opportunities. <i>Biophysical Chemistry</i> , 2022, 282, 106743.	1.5	7
633	Dementia in diabetes mellitus and atherosclerosis: Two interrelated systemic diseases. <i>Brain Research Bulletin</i> , 2022, 181, 87-96.	1.4	4
634	Insulin: The master regulator of glucose metabolism. <i>Metabolism: Clinical and Experimental</i> , 2022, 129, 155142.	1.5	78
635	Transcription of the Envelope Protein by 1-L Proteinâ€™RNA Recognition Code Leads to Genes/Proteins That Are Relevant to the SARS-CoV-2 Life Cycle and Pathogenesis. <i>Current Issues in Molecular Biology</i> , 2022, 44, 791-816.	1.0	3
636	The Physiology of Insulin Clearance. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1826.	1.8	12
637	Microsomal prostaglandin E synthaseâ€™1 is involved in the metabolic and cardiovascular alterations associated with obesity. <i>British Journal of Pharmacology</i> , 2022, 179, 2733-2753.	2.7	6
638	Adipose-tissue plasticity in health and disease. <i>Cell</i> , 2022, 185, 419-446.	13.5	252
639	Activation of Sphingomyelinase-Ceramide-Pathway in COVID-19 Purposes Its Inhibition for Therapeutic Strategies. <i>Frontiers in Immunology</i> , 2021, 12, 784989.	2.2	15

#	ARTICLE	IF	CITATIONS
640	Insulin resistance-related differences in the relationship between left ventricular hypertrophy and cardiorespiratory fitness in hypertensive Black sub-Saharan Africans. <i>American Journal of Cardiovascular Disease</i> , 2021, 11, 587-600.	0.5	0
641	Honokiol Directly Target Ampk to Ameliorate Glucosamine-Induced Insulin Resistance and Oxidative Stress in Hepg2 Cells. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
642	Recent developments in the structural characterisation of the IR and IGF1R: implications for the design of IR&IGF1R hybrid receptor modulators. <i>RSC Medicinal Chemistry</i> , 2022, 13, 360-374.	1.7	12
643	The quality of spermatozoa and testicular histology in insulin-injected <i>Rattus norvegicus</i> with diabetes mellitus. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	0
644	Structure and activity study of tripeptide IRW in TNF- α induced insulin resistant skeletal muscle cells. <i>Food and Function</i> , 2022, 13, 4061-4068.	2.1	3
645	Obesity-Related Insulin Resistance: The Central Role of Adipose Tissue Dysfunction. <i>Handbook of Experimental Pharmacology</i> , 2022, , 145-164.	0.9	8
646	Early Neutrophilia Marked by Aerobic Glycolysis Sustains Host Metabolism and Delays Cancer Cachexia. <i>Cancers</i> , 2022, 14, 963.	1.7	9
647	Bioactive lipids and metabolic syndrome—a symposium report. <i>Annals of the New York Academy of Sciences</i> , 2022, 1511, 87-106.	1.8	5
648	Insulinopathies of the brain? Genetic overlap between somatic insulin-related and neuropsychiatric disorders. <i>Translational Psychiatry</i> , 2022, 12, 59.	2.4	39
649	The world congress on insulin resistance, diabetes, and cardiovascular disease (<sc>WCIRDC</sc>) Tj ETQq1 1 0,784314 rgBT /Overl	0.8	0
650	A review on the potential use of natural products in overweight and obesity. <i>Phytotherapy Research</i> , 2022, 36, 1990-2015.	2.8	7
651	Immunohistochemical Analysis of Neurotransmitters in Neurosecretory Protein GL-Producing Neurons of the Mouse Hypothalamus. <i>Biomedicines</i> , 2022, 10, 454.	1.4	2
652	Potential Mechanisms for How Long-Term Physical Activity May Reduce Insulin Resistance. <i>Metabolites</i> , 2022, 12, 208.	1.3	3
653	Comprehensive Transcriptome Profiling of NAFLD- and NASH-Induced Skeletal Muscle Dysfunction. <i>Frontiers in Endocrinology</i> , 2022, 13, 851520.	1.5	2
654	Insulin-Related Liver Pathways and the Therapeutic Effects of Aerobic Training, Green Coffee, and Chlorogenic Acid Supplementation in Prediabetic Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-14.	1.9	5
655	Tolerable upper intake level for dietary sugars. <i>EFSA Journal</i> , 2022, 20, e07074.	0.9	31
656	Toward Development of a Diabetic Synovium Culture Model. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 825046.	2.0	3
657	Pioglitazone Synthetic Analogue Ameliorates Streptozotocin-Induced Diabetes Mellitus through Modulation of ACE 2/Angiotensin 1&7 via PI3K/AKT/mTOR Signaling Pathway. <i>Pharmaceuticals</i> , 2022, 15, 341.	1.7	2

#	ARTICLE	IF	CITATIONS
658	Nucleophosmin3 carried by small extracellular vesicles contribute to white adipose tissue browning. <i>Journal of Nanobiotechnology</i> , 2022, 20, 165.	4.2	7
659	Branched-chain amino acid supplementation impairs insulin sensitivity and promotes lipogenesis during exercise in diet-induced obese mice. <i>Obesity</i> , 2022, 30, 1205-1218.	1.5	6
660	Could Polyphenolic Food Intake Help in the Control of Type 2 Diabetes? A Narrative Review of the Last Evidence. <i>Current Nutrition and Food Science</i> , 2022, 18, 785-798.	0.3	2
661	Surface Adsorption-Mediated Ultrahigh Efficient Peptide Encapsulation with a Precise Ratiometric Control for Type 1 and 2 Diabetic Therapy. <i>Small</i> , 2022, 18, e2200449.	5.2	7
663	Messages from the Small Intestine Carried by Extracellular Vesicles in Prediabetes: A Proteomic Portrait. <i>Journal of Proteome Research</i> , 2022, 21, 910-920.	1.8	4
664	Study on the Association of Dietary Fatty Acid Intake and Serum Lipid Profiles With Cognition in Aged Subjects With Type 2 Diabetes Mellitus. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 846132.	1.7	1
665	D-Pinitol-Active Natural Product from Carob with Notable Insulin Regulation. <i>Nutrients</i> , 2022, 14, 1453.	1.7	15
666	Metformin, phenformin, and galegine inhibit complex IV activity and reduce glycerol-derived gluconeogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2122287119.	3.3	37
667	A Model for Predicting Polycystic Ovary Syndrome Using Serum AMH, Menstrual Cycle Length, Body Mass Index and Serum Androstenedione in Chinese Reproductive Aged Population: A Retrospective Cohort Study. <i>Frontiers in Endocrinology</i> , 2022, 13, 821368.	1.5	5
668	Dysmetabolism and Neurodegeneration: Trick or Treat?. <i>Nutrients</i> , 2022, 14, 1425.	1.7	8
669	Insulin and cancer: a tangled web. <i>Biochemical Journal</i> , 2022, 479, 583-607.	1.7	22
670	Non-Alcoholic Fatty Liver Disease and Its Potential Therapeutic Strategies. , 0, , .		0
671	Endoplasmic Reticulum Stress: A New Research Direction for Polycystic Ovary Syndrome?. <i>DNA and Cell Biology</i> , 2022, 41, 356-367.	0.9	3
672	A local insulin reservoir in <i>Drosophila</i> alpha cell homologs ensures developmental progression under nutrient shortage. <i>Current Biology</i> , 2022, 32, 1788-1797.e5.	1.8	6
673	Exogenous insulin promotes the expression of B-cell translocation gene 1 and 2 in chicken pectoralis. <i>Poultry Science</i> , 2022, 101, 101875.	1.5	3
674	Dietary Advanced Glycation End-Products Affects the Progression of Early Diabetes by Intervening in Carbohydrate and Lipid Metabolism. <i>Molecular Nutrition and Food Research</i> , 2022, 66, e2200046.	1.5	6
675	Synergistic activation of the insulin receptor via two distinct sites. <i>Nature Structural and Molecular Biology</i> , 2022, 29, 357-368.	3.6	36
676	Clinical Effects of Sodium-Glucose Transporter Type 2 Inhibitors in Patients With Partial Lipodystrophy. <i>Endocrine Practice</i> , 2022, , .	1.1	0

#	ARTICLE	IF	CITATIONS
677	Estradiol replacement improves high-fat diet-induced insulin resistance in ovariectomized rats. <i>Physiological Reports</i> , 2022, 10, e15193.	0.7	3
678	miRNAs as Predictive Factors in Early Diagnosis of Gestational Diabetes Mellitus. <i>Frontiers in Endocrinology</i> , 2022, 13, 839344.	1.5	17
679	Magnetic Resonance Imaging Assessment of Abdominal Ectopic Fat Deposition in Correlation With Cardiometabolic Risk Factors. <i>Frontiers in Endocrinology</i> , 2022, 13, 820023.	1.5	3
680	Hepatic deficiency of selenoprotein S exacerbates hepatic steatosis and insulin resistance. <i>Cell Death and Disease</i> , 2022, 13, 275.	2.7	16
681	Human umbilical cord-derived mesenchymal stem cells alleviate insulin resistance in diet-induced obese mice via an interaction with splenocytes. <i>Stem Cell Research and Therapy</i> , 2022, 13, 109.	2.4	2
682	CD146 Associates with Gp130 to Control a Macrophage Pro-inflammatory Program That Regulates the Metabolic Response to Obesity. <i>Advanced Science</i> , 2022, 9, e2103719.	5.6	10
683	Î±-Lipoic Acid Reduces Ceramide Synthesis and Neuroinflammation in the Hypothalamus of Insulin-Resistant Rats, While in the Cerebral Cortex Diminishes the Î²-Amyloid Accumulation. <i>Journal of Inflammation Research</i> , 2022, Volume 15, 2295-2312.	1.6	5
684	Incretin-induced changes in the transcriptome of skeletal muscles of fa/fa Zucker rat (ZFR) with obesity, without diabetes. <i>International Journal of Obesity</i> , 2022, , .	1.6	0
685	Large scale, single-cell FRET-based glucose uptake measurements within heterogeneous populations. <i>IScience</i> , 2022, 25, 104023.	1.9	5
686	Systems genetics in the rat HXB/BXH family identifies Tti2 as a pleiotropic quantitative trait gene for adult hippocampal neurogenesis and serum glucose. <i>PLoS Genetics</i> , 2022, 18, e1009638.	1.5	3
687	Human islet amyloid polypeptide: A therapeutic target for the management of type 2 diabetes mellitus. <i>Journal of Pharmaceutical Analysis</i> , 2022, 12, 556-569.	2.4	11
688	Controversies in the Pathogenesis, Diagnosis and Treatment of PCOS: Focus on Insulin Resistance, Inflammation, and Hyperandrogenism. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4110.	1.8	73
689	Insulin activates LC-PUFA biosynthesis of hepatocytes by regulating the PI3K/Akt/mTOR/Srebp1 pathway in teleost <i>Siganus canaliculatus</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2022, 260, 110734.	0.7	0
690	Type 2 diabetes mellitus-associated cognitive dysfunction: Advances in potential mechanisms and therapies. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 137, 104642.	2.9	27
691	Associating diethylhexyl phthalate to gestational diabetes mellitus via adverse outcome pathways using a network-based approach. <i>Science of the Total Environment</i> , 2022, 824, 153932.	3.9	13
692	Perfluorooctane sulfonate induces mitochondrial calcium overload and early hepatic insulin resistance via autophagy/detyrosinated alpha-tubulin-regulated IP3R2-VDAC1-MICU1 interaction. <i>Science of the Total Environment</i> , 2022, 825, 153933.	3.9	15
693	Changes of LRP6 and A3B2 transcription factor and beta-catenin pathway in adipose tissue of rats with intrauterine growth restriction with catch-up growth. <i>Zhejiang Da Xue Xue Bao Yi Xue Ban = Journal of Zhejiang University Medical Sciences</i> , 2021, 50, 755-761.	0.1	0
694	Metabolic Syndrome and PCOS: Pathogenesis and the Role of Metabolites. <i>Metabolites</i> , 2021, 11, 869.	1.3	51

#	ARTICLE	IF	CITATIONS
696	Prevalence of Vitamin D Deficiency and Its Association with Insulin Resistance in Obese Women with Normal Fasting Glucose. <i>BioMed Research International</i> , 2021, 2021, 1-5.	0.9	3
697	Magnesium supplementation for glycemic status in women with gestational diabetes: a systematic review and meta-analysis. <i>Gynecological Endocrinology</i> , 2022, 38, 202-206.	0.7	4
698	Beta vulgaris L. (Beetroot) Methanolic Extract Prevents Hepatic Steatosis and Liver Damage in T2DM Rats by Hypoglycemic, Insulin-Sensitizing, Antioxidant Effects, and Upregulation of PPAR α . <i>Biology</i> , 2021, 10, 1306.	1.3	9
699	Peptidome: Chaos or Inevitability. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13128.	1.8	7
700	MICRONUTRIENT DEFICIENCY IN THE PATHOGENESIS OF INSULIN RESISTANCE AND WAYS TO CORRECT IT. <i>Problemi Endokrinnoi Patologii</i> , 2021, 78, 135-145.	0.0	0
701	Dietary sugar restriction reduces hepatic de novo lipogenesis in boys with fatty liver disease. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	1
702	A multigenerational study on phenotypic consequences of the most common causal variant of HNF1A-MODY. <i>Diabetologia</i> , 2022, 65, 632-643.	2.9	7
703	The Ideal Insulin Resistance Index for Cardiovascular Risk Discrimination in Type 2 Diabetes Mellitus. <i>SN Comprehensive Clinical Medicine</i> , 2022, 4, 1.	0.3	0
704	Breakdown of the blood-brain barrier: A mediator of increased Alzheimer's risk in patients with metabolic disorders?. <i>Journal of Neuroendocrinology</i> , 2022, 34, e13074.	1.2	5
705	The Role of Physical Activity in Nonalcoholic and Metabolic Dysfunction Associated Fatty Liver Disease. <i>Biomedicines</i> , 2021, 9, 1853.	1.4	12
706	Insulin resistance in the 21st century: multimodal approach to assessing causes and effective correction. <i>Reproductive Endocrinology</i> , 2021, , 97-103.	0.0	2
707	Indicaxanthin from <i>Opuntia ficus-indica</i> Fruit Ameliorates Glucose Dysmetabolism and Counteracts Insulin Resistance in High-Fat-Diet-Fed Mice. <i>Antioxidants</i> , 2022, 11, 80.	2.2	12
708	Effects of different chromium sources on growth performance, serum biochemical, hepatopancreas glycometabolism enzymes activities, IR, GLUT2 and SGLT1 gene expression of common carp (<i>Cyprinus</i>) <i>Tj ETQq</i> 0.0 0 rgB3/Overlock	0.0	0
709	NOT JUST CALORIC RESTRICTION: A COMPLEX APPROACH TO PROLONG LIFESPAN AND IMPROVE QUALITY OF LIFE. <i>Central Asian Journal of Medical Hypotheses and Ethics</i> , 2021, 2, 190-197.	0.2	0
710	The Link between Gut Dysbiosis Caused by a High-Fat Diet and Hearing Loss. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13177.	1.8	16
712	Causative Mechanisms of Childhood and Adolescent Obesity Leading to Adult Cardiometabolic Disease: A Literature Review. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11565.	1.3	7
713	FORMATION OF CORRELATION BETWEEN BIOCHEMICAL PARAMETERS OF TYPE 2 DIABETES MELLITUS AND LIVER DISEASES LIKE THE INSULIN RESISTANCE MARKERS. <i>Biology & Ecology</i> , 2020, 6, 82-91.	0.0	0
714	NDRG1 Activity in Fat Depots Is Associated With Type 2 Diabetes and Impaired Incretin Profile in Patients With Morbid Obesity. <i>Frontiers in Endocrinology</i> , 2021, 12, 777589.	1.5	0

#	ARTICLE	IF	CITATIONS
716	Protective Roles of Apigenin Against Cardiometabolic Diseases: A Systematic Review. <i>Frontiers in Nutrition</i> , 2022, 9, 875826.	1.6	17
717	Follistatin-like 1 and family with sequence similarity to 19 member A5 levels are decreased in obese children and associated with glucose metabolism. <i>Annals of Nutrition and Metabolism</i> , 2022, , .	1.0	1
718	Transient elastography and serum markers of liver fibrosis associate with epicardial adipose tissue and coronary artery calcium in NAFLD. <i>Scientific Reports</i> , 2022, 12, 6564.	1.6	7
719	Exploring the relationship between vitamin D and leptin hormones in type 2 diabetes mellitus patients from Kuwait. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2022, 43, 273-280.	0.3	2
720	Recent Experimental Studies of Maternal Obesity, Diabetes during Pregnancy and the Developmental Origins of Cardiovascular Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4467.	1.8	17
721	Chronic Inflammation in Obesity and Cancer Cachexia. <i>Journal of Clinical Medicine</i> , 2022, 11, 2191.	1.0	10
722	Role of Oxidative Stress in Diabetic Cardiomyopathy. <i>Antioxidants</i> , 2022, 11, 784.	2.2	51
723	The Dose-Response Effects of Consuming High Fructose Corn Syrup-Sweetened Beverages on Hepatic Lipid Content and Insulin Sensitivity in Young Adults. <i>Nutrients</i> , 2022, 14, 1648.	1.7	8
724	Insulin Resistance Is Cheerfully Hitched with Hypertension. <i>Life</i> , 2022, 12, 564.	1.1	20
725	Molecular Mechanisms Underlying the Effects of Olive Oil Triterpenic Acids in Obesity and Related Diseases. <i>Nutrients</i> , 2022, 14, 1606.	1.7	12
726	Cognitive disorder and dementia in type 2 diabetes mellitus. <i>World Journal of Diabetes</i> , 2022, 13, 319-337.	1.3	27
727	Whey protein supplementation improves postprandial glycemia in persons with type 2 diabetes mellitus: A systematic review and meta-analysis of randomized controlled trials. <i>Nutrition Research</i> , 2022, 104, 44-54.	1.3	9
728	Special Considerations on Hyperandrogenism and Insulin Resistance in Nonobese Polycystic Ovaries Syndrome. , 0, , .		1
729	Metabolic memory determines gene expression in liver and adipose tissue of undernourished ewes. <i>Livestock Science</i> , 2022, 260, 104949.	0.6	1
736	Associations among serum insulin, calprotectin, and C-reactive protein concentrations in Miniature Schnauzers with idiopathic hyperlipidemia before and after feeding an ultra-low-fat diet. <i>Journal of Veterinary Internal Medicine</i> , 2022, , .	0.6	3
737	Effect of laparoscopic Roux-Y gastric bypass on improvement of insulin resistance in Type 2 diabetic patients evaluated by hyperinsulinemic-euglycemic clamp. <i>Journal of Central South University (Medical)</i> Tj ETQq1 1 0.784314zgBT /Over		
738	circMAP3K4 regulates insulin resistance in trophoblast cells during gestational diabetes mellitus by modulating the miR-6795-5p/PTPN1 axis. <i>Journal of Translational Medicine</i> , 2022, 20, 180.	1.8	14
739	Relationship between Serum Leptin Values and Abdominal Circumference Assessed in the First Trimester of Pregnancy in Obese Women.. <i>Current Health Sciences Journal</i> , 2021, 47, 428-432.	0.2	1

#	ARTICLE	IF	CITATIONS
740	Molecular mechanisms linking stress and insulin resistance.. EXCLI Journal, 2022, 21, 317-334.	0.5	1
742	Meta-analysis Flavonoids from traditional Chinese herbs for diabetes in rats: a network Meta-analysi.. Journal of Traditional Chinese Medicine, 2022, 42, 1-8.	0.1	0
744	The clinical characteristics, biochemical parameters and insulin response to oral glucose tolerance test (OGTT) in 25 transfusion dependent β^2 -thalassemia (TDT) patients recently diagnosed with diabetes mellitus (DM).. Acta Biomedica, 2022, 92, e2021488.	0.2	4
745	Multiple Factors Affecting Insulin Resistance. Bioprocess, 2022, 12, 33-39.	0.1	0
746	Acute Bioenergetic Insulin Sensitivity of Skeletal Muscle Cells: ATP-Demand-Provoked Glycolysis Contributes to Stimulation of ATP Supply. SSRN Electronic Journal, 0, , .	0.4	0
747	Diet, inflammation, and cardiovascular disease. , 2022, , 367-472.		2
748	Chronic Elevation of Skeletal Muscle $[Ca^{2+}]_i$ Impairs Glucose Uptake. An in Vivo and in Vitro Study. Frontiers in Physiology, 2022, 13, 872624.	1.3	3
749	Effect of Exogenous Hydrogen Sulfide and Polysulfide Donors on Insulin Sensitivity of the Adipose Tissue. Biomolecules, 2022, 12, 646.	1.8	6
750	O-GlcNAcylation: A Sweet Hub in the Regulation of Glucose Metabolism in Health and Disease. Frontiers in Endocrinology, 2022, 13, 873513.	1.5	17
751	N-Doped Carbon Nanorods from Biomass as a Potential Antidiabetic Nanomedicine. ACS Biomaterials Science and Engineering, 2022, 8, 2131-2141.	2.6	19
752	Bredemolic acid restores glucose utilization and attenuates oxidative stress in palmitic acid-induced insulin-resistant C2C12 cells. Endocrine Regulations, 2022, 56, 126-133.	0.5	2
753	Co-Crystal of Rosiglitazone With Berberine Ameliorates Hyperglycemia and Insulin Resistance Through the PI3K/AKT/TXNIP Pathway In Vivo and In Vitro. Frontiers in Pharmacology, 2022, 13, 842879.	1.6	6
754	Disuse-induced skeletal muscle atrophy in disease and nondisease states in humans: mechanisms, prevention, and recovery strategies. American Journal of Physiology - Cell Physiology, 2022, 322, C1068-C1084.	2.1	26
755	The association of appetite and hormones (leptin, ghrelin, and Insulin) with resting metabolic rate in overweight/ obese women: a caseâ€“control study. BMC Nutrition, 2022, 8, 37.	0.6	1
756	HbA1c and Glucose Management Indicator Discordance Associated with Obesity and Type 2 Diabetes in Intermittent Scanning Glucose Monitoring System. Biosensors, 2022, 12, 288.	2.3	3
757	Morbid Obesity in Women Is Associated with an Altered Intestinal Expression of Genes Related to Cancer Risk and Immune, Defensive, and Antimicrobial Response. Biomedicines, 2022, 10, 1024.	1.4	0
758	Dietary Activation of AMP-Activated Protein Kinase (AMPK) to Treat Insulin Resistance. , 0, , .		0
759	Silencing alanine transaminase 2 in diabetic liver attenuates hyperglycemia by reducing gluconeogenesis from amino acids. Cell Reports, 2022, 39, 110733.	2.9	18

#	ARTICLE	IF	CITATIONS
760	Joint Effects of Heat Stress and PM2.5 Exposure on Glucose Metabolism and Hepatic Insulin Signaling. <i>Clinical Complementary Medicine and Pharmacology</i> , 2022, , 100042.	0.9	1
761	Many Ways to Rome: Exercise, Cold Exposure and Diet—Do They All Affect BAT Activation and WAT Browning in the Same Manner?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4759.	1.8	20
762	A multi-hit hypothesis for an APOE4-dependent pathophysiological state. <i>European Journal of Neuroscience</i> , 2022, 56, 5476-5515.	1.2	8
763	Feasibility of home-based tracking of insulin resistance from vascular stiffness estimated from the photoplethysmographic finger pulse waveform. <i>Physiological Measurement</i> , 2022, , .	1.2	0
764	Epigenetics of type 2 diabetes mellitus and weight change—a tool for precision medicine?. <i>Nature Reviews Endocrinology</i> , 2022, 18, 433-448.	4.3	33
765	Positive Effects of Extra-Virgin Olive Oil Supplementation and Diet on Inflammation and Glycemic Profiles in Adults With Type 2 Diabetes and Class II/III Obesity: A Randomized Clinical Trial. <i>Frontiers in Endocrinology</i> , 2022, 13, 841971.	1.5	1
766	Advanced Meditation and Vegan Diet Increased Acylglycines and Reduced Lipids Associated with Improved Health: A Prospective Longitudinal Study. , 2022, 28, 674-682.		2
767	Individuals with Metabolic Syndrome Show Altered Fecal Lipidomic Profiles with No Signs of Intestinal Inflammation or Increased Intestinal Permeability. <i>Metabolites</i> , 2022, 12, 431.	1.3	2
768	One hundred years of insulin: Is it time for smart?. <i>Journal of Small Animal Practice</i> , 2022, , .	0.5	2
769	Increased plasma fatty acid clearance, not fatty acid concentration, is associated with muscle insulin resistance in people with obesity. <i>Metabolism: Clinical and Experimental</i> , 2022, 132, 155216.	1.5	7
770	Clinical and humanistic impact of pharmacotherapeutic follow-up in patients with type 1 diabetes mellitus treated judiciously. <i>Diabetology and Metabolic Syndrome</i> , 2022, 14, 61.	1.2	1
771	Acute bioenergetic insulin sensitivity of skeletal muscle cells: ATP-demand-provoked glycolysis contributes to stimulation of ATP supply. <i>Biochemistry and Biophysics Reports</i> , 2022, 30, 101274.	0.7	2
772	Rodents on a high-fat diet born to mothers with gestational diabetes exhibit sex-specific lipidomic changes in reproductive organs. <i>Acta Biochimica Et Biophysica Sinica</i> , 2022, 54, 736-747.	0.9	2
773	Cryo-EM structure of human glucose transporter GLUT4. <i>Nature Communications</i> , 2022, 13, 2671.	5.8	31
774	Effects of Intranasally Administered Insulin and Gangliosides on Metabolic Parameters and Activity of the Hepatic Insulin System in Rats with Type 2 Diabetes Mellitus. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2022, 58, 380-394.	0.2	2
775	Is Arsenic Exposure a Risk Factor for Metabolic Syndrome? A Review of the Potential Mechanisms. <i>Frontiers in Endocrinology</i> , 2022, 13, .	1.5	16
776	Glucocorticoid Receptor β Overexpression Has Agonist-Independent Insulin-Mimetic Effects on HepG2 Glucose Metabolism. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5582.	1.8	2
777	Role of Biliverdin Reductase A in the Regulation of Insulin Signaling in Metabolic and Neurodegenerative Diseases: An Update. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5574.	1.8	4

#	ARTICLE	IF	CITATIONS
778	The effects of protein corona on in vivo fate of nanocarriers. <i>Advanced Drug Delivery Reviews</i> , 2022, 186, 114356.	6.6	72
779	Development and the Art of Nutritional Maintenance. <i>British Journal of Nutrition</i> , 2022, , 1-24.	1.2	0
780	Triglyceride-Glucose Index Is a Useful Marker for Predicting Future Cardiovascular Disease and Mortality in Young Korean Adults: A Nationwide Population-Based Cohort Study. <i>Journal of Lipid and Atherosclerosis</i> , 2022, 11, 178.	1.1	12
782	Hypertension in Patients with Insulin Resistance: Etiopathogenesis and Management in Children. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5814.	1.8	13
783	A Bibliometric Analysis of the Literature on Irisin from 2012â€“2021. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 6153.	1.2	10
785	Lycopene attenuates <sc>d</sc>-galactose-induced insulin signaling impairment by enhancing mitochondrial function and suppressing the oxidative stress/inflammatory response in mouse kidneys and livers. <i>Food and Function</i> , 2022, 13, 7720-7729.	2.1	7
786	Evolution of the diagnostic value of â€œthe sugar of the bloodâ€ hitting the sweet spot to identify alterations in glucose dynamics. <i>Physiological Reviews</i> , 2023, 103, 7-30.	13.1	2
787	Treatment with spexin mitigates diet-induced hepatic steatosis in vivo and in vitro through activation of galanin receptor 2. <i>Molecular and Cellular Endocrinology</i> , 2022, 552, 111688.	1.6	7
788	METABOLIC CHANGES / INSULIN RESISTANCE IN TUBERCULOSIS PATIENTS: CAUSE OR EFFECT: review. <i>Inter Collegas</i> , 2022, 8, 232-237.	0.0	0
790	DNA methylation and expression profiles of placenta and umbilical cord blood reveal the characteristics of gestational diabetes mellitus patients and offspring. <i>Clinical Epigenetics</i> , 2022, 14, .	1.8	13
791	Hyperinsulinemia: beneficial or harmful or both on glucose homeostasis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2022, 323, E2-E7.	1.8	4
792	Participation of Magnesium in the Secretion and Signaling Pathways of Insulin: an Updated Review. <i>Biological Trace Element Research</i> , 2022, 200, 3545-3553.	1.9	7
793	Aqueous Extract of Guava (<i>Psidium guajava</i> L.) Leaf Ameliorates Hyperglycemia by Promoting Hepatic Glycogen Synthesis and Modulating Gut Microbiota. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	6
794	Label-free study of intracellular glycogen level in metformin and resveratrol-treated insulin-resistant HepG2 by live-cell FTIR spectroscopy. <i>Biosensors and Bioelectronics</i> , 2022, 212, 114416.	5.3	3
795	Effects of Apolipoprotein E on Regulating Insulin Sensitivity Via Regulating Insulin Receptor Signalosome In Caveolae. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
796	High Risk Of Metabolic Complications Due To High Consumption Of Processed Foods. <i>Current Nutrition and Food Science</i> , 2022, 18, .	0.3	1
797	Changes in the Expression of Insulin Pathway, Neutrophil Elastase and Alpha 1 Antitrypsin Genes from Leukocytes of Young Individuals with Insulin Resistance. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 0, Volume 15, 1865-1876.	1.1	1
798	Whole grain rice: Updated understanding of starch digestibility and the regulation of glucose and lipid metabolism. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2022, 21, 3244-3273.	5.9	14

#	ARTICLE	IF	CITATIONS
799	Cadmium exposure and the risk of GDM: evidence emerging from the systematic review and meta-analysis. <i>Environmental Science and Pollution Research</i> , 2022, 29, 77253-77274.	2.7	4
800	Insulin resistance and skeletal health. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2022, 29, 343-349.	1.2	7
801	Triglyceride glucose index for the detection of the severity of coronary artery disease in different glucose metabolic states in patients with coronary heart disease: a RCSCD-TCM study in China. <i>Cardiovascular Diabetology</i> , 2022, 21, .	2.7	37
802	Influence of gut microbiota on the development of insulin resistance. <i>Meditinskiy Sovet</i> , 2022, , 84-95.	0.1	0
803	Exercise-Induced Browning of White Adipose Tissue and Improving Skeletal Muscle Insulin Sensitivity in Obese/Non-obese Growing Mice: Do Not Neglect Exosomal miR-27a. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	6
804	A novel strategy to dissect multifaceted macrophage function in human diseases. <i>Journal of Leukocyte Biology</i> , 2022, 112, 1535-1542.	1.5	12
805	Association of Leptin and Leptin receptor Gene polymorphisms with Insulin resistance in pregnant women: A cross-sectional study. <i>F1000Research</i> , 0, 11, 692.	0.8	1
806	Red Rice Bran Extract Attenuates Adipogenesis and Inflammation on White Adipose Tissues in High-Fat Diet-Induced Obese Mice. <i>Foods</i> , 2022, 11, 1865.	1.9	8
807	Fat Distribution Patterns and Future Type 2 Diabetes. <i>Diabetes</i> , 2022, 71, 1937-1945.	0.3	20
808	Role of Serotonin (5-HT) in GDM Prediction Considering Islet and Liver Interplay in Prediabetic Mice during Gestation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6434.	1.8	5
809	Ferulic Acid Prevents Nonalcoholic Fatty Liver Disease by Promoting Fatty Acid Oxidation and Energy Expenditure in C57BL/6 Mice Fed a High-Fat Diet. <i>Nutrients</i> , 2022, 14, 2530.	1.7	16
810	Using Optimal Subset Regression to Identify Factors Associated with Insulin Resistance and Construct Predictive Models in a U.S. Adult Population. <i>Endocrine Connections</i> , 2022, , .	0.8	2
811	Ceramides are early responders in metabolic syndrome development in rhesus monkeys. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
812	Exploring therapeutic mechanisms of San-Huang-Tang in nonalcoholic fatty liver disease through network pharmacology and experimental validation. <i>Journal of Ethnopharmacology</i> , 2022, 296, 115477.	2.0	2
813	Prioritizing Candidate Genes for Type 2 Diabetes Mellitus using Integrated Network and Pathway Analysis. <i>Avicenna Journal of Medical Biotechnology</i> , 0, , .	0.2	0
814	Celastrol alleviates high-fat diet-induced obesity via enhanced muscle glucose utilization and mitochondrial oxidative metabolism-mediated upregulation of pyruvate dehydrogenase complex. <i>Toxicology and Applied Pharmacology</i> , 2022, 449, 116099.	1.3	6
815	Stbd1-deficient mice display insulin resistance associated with enhanced hepatic ER-mitochondria contact. <i>Biochimie</i> , 2022, 200, 172-183.	1.3	3
816	Imeglimin: features of the mechanism of action and potential benefits. <i>Problemy Endokrinologii</i> , 2022, 68, 57-66.	0.2	1

#	ARTICLE	IF	CITATIONS
817	Gut Microbiota Potential in Type 2 Diabetes. , 0, , .		0
818	Insulin resistance: metabolic and somatic changes in children. <i>MÄ-Ä¼narodnij EndokrinologÄ-Änij Ä½urnal</i> , 2022, 18, 219-225.	0.1	1
820	Effects of Red Rice Bran Extract on High-Fat Diet-Induced Obesity and Insulin Resistance in Mice. <i>Preventive Nutrition and Food Science</i> , 2022, 27, 180-187.	0.7	8
821	Importance of multiple endocrine cell types in islet organoids for type 1 diabetes treatment. <i>Translational Research</i> , 2022, 250, 68-83.	2.2	10
822	Feeding desensitizes A1 adenosine receptors in adipose through FOXO1-mediated transcriptional regulation. <i>Molecular Metabolism</i> , 2022, 63, 101543.	3.0	2
823	Contribution of HIF-P4H isoenzyme inhibition to metabolism indicates major beneficial effects being conveyed by HIF-P4H-2 antagonism. <i>Journal of Biological Chemistry</i> , 2022, 298, 102222.	1.6	2
824	Lipocalin-Type Prostaglandin D2 Synthase Protein- A Central Player in Metabolism. <i>Pharmaceutical Research</i> , 2022, 39, 2951-2963.	1.7	1
825	Gut firmicutes: Relationship with dietary fiber and role in host homeostasis. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 12073-12088.	5.4	45
826	The Effects of Asprosin on Exercise-Intervention in Metabolic Diseases. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	5
827	Evaluation of unexpected protecting group removal in solidâ€phase peptide synthesis â€ quantified using continuous flow methods. <i>Journal of Peptide Science</i> , 0, , .	0.8	0
828	TRIM24 is an insulin-responsive regulator of P-bodies. <i>Nature Communications</i> , 2022, 13, .	5.8	5
829	Modulation of endoplasmic reticulum stress via sulforaphane-mediated AMPK upregulation against nonalcoholic fatty liver disease in rats. <i>Cell Stress and Chaperones</i> , 2022, 27, 499-511.	1.2	7
830	ABOUT THE MECHANISMS OF THE PROTECTIVE INFLUENCE OF CARNOSINE IN NON-ALCOHOLIC FATTY LIVER DISEASE. , 2022, , .		0
831	Complex physiology and clinical implications of time-restricted eating. <i>Physiological Reviews</i> , 2022, 102, 1991-2034.	13.1	17
832	Intervention with isoleucine or valine corrects hyperinsulinemia and reduces intrahepatic diacylglycerols, liver steatosis, and inflammation in <i>Ldlr~ª~ª</i> .Leiden mice with manifest obesityâ€associated <sc>NASH</sc>. <i>FASEB Journal</i> , 2022, 36, .	0.2	16
834	<i>Crateva unilocularis</i> Buch-Ham leaf extract improves glucose metabolism via regulation of insulin secretion and sensitivity in vitro and in vivo. <i>Applied Biological Chemistry</i> , 2022, 65, .	0.7	0
835	SIRT1 and Autophagy: Implications in Endocrine Disorders. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	25
836	Beneficial effects of silkworm (<i>Bombyx mori</i>) pupal oil on serum and hepatic lipid parameters in high fat diet fed rats. <i>Journal of Insects As Food and Feed</i> , 2023, 9, 109-118.	2.1	1

#	ARTICLE	IF	CITATIONS
837	Hesperetin, a Promising Treatment Option for Diabetes and Related Complications: A Literature Review. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 8582-8592.	2.4	17
838	MicroRNAs and Pancreatic β Cell Functional Modulation. , 0, , .		0
839	Protective effect of acetylcysteine, histidine, and their combination against diabetes vascular complications in type-2 diabetic rats via reducing NF- κ B pathway signaling. <i>Journal of Diabetes and Metabolic Disorders</i> , 0, , .	0.8	0
840	The Association of Acute Phase Proteins in Stress and Inflammation-Induced T2D. <i>Cells</i> , 2022, 11, 2163.	1.8	7
841	A Critical Review on Role of Available Synthetic Drugs and Phytochemicals in Insulin Resistance Treatment by Targeting PTP1B. <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 4683-4701.	1.4	6
842	The genetics of bipolar disorder with obesity and type 2 diabetes. <i>Journal of Affective Disorders</i> , 2022, 313, 222-231.	2.0	6
843	Butyrate oxidation attenuates the butyrate-induced improvement of insulin sensitivity in myotubes. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166476.	1.8	3
844	Hesperetin promotes longevity and delays aging via activation of Cisd2 in naturally aged mice. <i>Journal of Biomedical Science</i> , 2022, 29, .	2.6	11
846	Liver fat metabolism of broilers regulated by <i>Bacillus amyloliquefaciens</i> TL via stimulating IGF-1 secretion and regulating the IGF signaling pathway. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	1
847	Trends in insulin resistance: insights into mechanisms and therapeutic strategy. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	7.1	132
848	Capsaicin, its clinical significance in patients with painful diabetic neuropathy. <i>Biomedicine and Pharmacotherapy</i> , 2022, 153, 113439.	2.5	18
849	Effects of Aerobic, Resistance, and High-Intensity Interval Training on Thermogenic Fat Cells and Browning in High Fat Diet Induced Obese Mice. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
850	New insights into anti-diabetes effects and molecular mechanisms of dietary saponins. <i>Critical Reviews in Food Science and Nutrition</i> , 0, , 1-26.	5.4	2
851	Progress in Research on the Alleviation of Glucose Metabolism Disorders in Type 2 Diabetes Using <i>Cyclocarya paliurus</i> . <i>Nutrients</i> , 2022, 14, 3169.	1.7	6
852	Global research trends on the links between insulin resistance and obesity: a visualization analysis. <i>Translational Medicine Communications</i> , 2022, 7, .	0.5	6
853	Macrophages, Low-Grade Inflammation, Insulin Resistance and Hyperinsulinemia: A Mutual Ambiguous Relationship in the Development of Metabolic Diseases. <i>Journal of Clinical Medicine</i> , 2022, 11, 4358.	1.0	29
854	Astaxanthin Carotenoid Modulates Oxidative Stress in Adipose-Derived Stromal Cells Isolated from Equine Metabolic Syndrome Affected Horses by Targeting Mitochondrial Biogenesis. <i>Biomolecules</i> , 2022, 12, 1039.	1.8	5
855	Long non-coding RNAs: a valuable biomarker for metabolic syndrome. <i>Molecular Genetics and Genomics</i> , 2022, 297, 1169-1183.	1.0	6

#	ARTICLE	IF	CITATIONS
856	Low muscle mass and mortality risk later in life: A 10-year follow-up study. PLoS ONE, 2022, 17, e0271579.	1.1	4
857	Effects of Acute Muscle Contraction on the Key Molecules in Insulin and Akt Signaling in Skeletal Muscle in Health and in Insulin Resistant States. International Journal of Diabetology, 2022, 3, 423-446.	0.9	1
858	Super-Resolution Quantification of T2DM-Induced Mitochondrial Morphology Changes and Their Implications in Pharmacodynamics of Metformin and Sorafenib. Frontiers in Pharmacology, 0, 13, .	1.6	5
859	Adipokines/cytokines and disturbances in lipid metabolism. , 2022, 18, 157-164.	0.0	2
860	Responses to dietary supplementation with field bean (<i>Vicia faba</i> var. minor) in production indices, mohair growth and hormonal parameters in transition Angora goats. Italian Journal of Animal Science, 2022, 21, 1315-1325.	0.8	0
861	Insulin sensitivity is associated with the observed variation of de novo lipid synthesis and body composition in finishing pigs. Scientific Reports, 2022, 12, .	1.6	2
862	Therapeutic activities and biological effects of curcumin, as a natural multi-target compound, on human health: A minireview. Journal of Shahrekord University of Medical Sciences, 2022, 24, 145-152.	0.1	3
863	The Glucagon Receptor Antagonist LY2409021 does not affect gastrointestinal-mediated glucose disposal or the incretin effect in individuals with and without type 2 diabetes. European Journal of Endocrinology, 2022, , .	1.9	1
864	Mathematical modeling reveals differential dynamics of insulin action models on glycerol and glucose in adolescent girls with obesity. Frontiers in Physiology, 0, 13, .	1.3	0
865	Exposure to per- and polyfluoroalkyl substances (PFAS) and type 2 diabetes risk. Frontiers in Endocrinology, 0, 13, .	1.5	22
866	Metabolic Syndrome and Overactive Bladder Syndrome May Share Common Pathophysiologies. Biomedicines, 2022, 10, 1957.	1.4	16
867	The biological clock enhancer nobiletin ameliorates steatosis in genetically obese mice by restoring aberrant hepatic circadian rhythm. American Journal of Physiology - Renal Physiology, 2022, 323, G387-G400.	1.6	9
868	Loss of FOXA2 induces ER stress and hepatic steatosis and alters developmental gene expression in human iPSC-derived hepatocytes. Cell Death and Disease, 2022, 13, .	2.7	15
869	Alpha-Ketoglutarate Alleviates Neuronal Apoptosis Induced by Central Insulin Resistance through Inhibiting S6K1 Phosphorylation after Subarachnoid Hemorrhage. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-24.	1.9	5
870	Saturated fatty acid biomarkers and risk of cardiometabolic diseases: A meta-analysis of prospective studies. Frontiers in Nutrition, 0, 9, .	1.6	17
871	Arctostaphylos uva-ursi L. leaves extract and its modified cysteine preparation for the management of insulin resistance: chemical analysis and bioactivity. Natural Products and Bioprospecting, 2022, 12, .	2.0	1
872	mRNA m5C inhibits adipogenesis and promotes myogenesis by respectively facilitating YBX2 and SMO mRNA export in ALYREF-m5C manner. Cellular and Molecular Life Sciences, 2022, 79, .	2.4	5
873	Circadian rhythms and pancreas physiology: A review. Frontiers in Endocrinology, 0, 13, .	1.5	9

#	ARTICLE	IF	CITATIONS
874	Adipose tissue insulin resistance predicts the incidence of hypertension: The Hiroshima Study on Glucose Metabolism and Cardiovascular Diseases. <i>Hypertension Research</i> , 2022, 45, 1763-1771.	1.5	12
876	influence of physical activity on selected biochemical parameters - what do physically active people know about it?. <i>Journal of Education, Health and Sport</i> , 2022, 12, 933-957.	0.0	0
877	Noncoding RNAs and RNA-binding proteins: emerging governors of liver physiology and metabolic diseases. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 323, C1003-C1017.	2.1	8
878	Mini-review: Mitochondrial DNA methylation in type 2 diabetes and obesity. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	6
879	Heat Shock Protein 70 Mediates the Protective Effect of Naringenin on High-Glucose-Induced Alterations of Endothelial Function. <i>International Journal of Endocrinology</i> , 2022, 2022, 1-10.	0.6	2
880	Insulin Resistance Markers to Detect Nonalcoholic Fatty Liver Disease in a Male Hispanic Population. <i>Canadian Journal of Gastroenterology and Hepatology</i> , 2022, 2022, 1-7.	0.8	0
881	Early-Phase Changes in Serum Free Fatty Acid Levels After Glucose Intake Are Associated With Type 2 Diabetes Incidence: The Hiroshima Study on Glucose Metabolism and Cardiovascular Diseases. <i>Diabetes Care</i> , 2022, 45, 2309-2315.	4.3	2
882	Disruptive role of trona on hepatic glucose metabolism in rats. <i>Nutrire</i> , 2022, 47, .	0.3	0
883	Effects of the association of different volumes of strength training with photobiomodulation therapy on insulin resistance: A protocol for a randomized, triple-blind, placebo-controlled trial. <i>Contemporary Clinical Trials Communications</i> , 2022, 29, 100984.	0.5	2
884	The Effect of Dietary Carbohydrate and Fat Manipulation on the Metabolome and Markers of Glucose and Insulin Metabolism: A Randomised Parallel Trial. <i>Nutrients</i> , 2022, 14, 3691.	1.7	6
885	Reflections on the state of diabetes research and prospects for treatment. <i>Diabetology International</i> , 2023, 14, 21-31.	0.7	1
886	The neutral amino acid transporter SLC7A10 in adipose tissue, obesity and insulin resistance. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	6
887	Signaling and Gene Expression in Skeletal Muscles in Type 2 Diabetes: Current Results and OMICS Perspectives. <i>Biochemistry (Moscow)</i> , 2022, 87, 1021-1034.	0.7	2
888	Targeting the liver in dementia and cognitive impairment: Dietary macronutrients and diabetic therapeutics. <i>Advanced Drug Delivery Reviews</i> , 2022, 190, 114537.	6.6	8
889	Effects of apolipoprotein E on regulating insulin sensitivity via regulating insulin receptor signalosome in caveolae. <i>Life Sciences</i> , 2022, 308, 120929.	2.0	0
890	Construction of a double-responsive modified guar gum nanoparticles and its application in oral insulin administration. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 220, 112858.	2.5	5
891	A metabolic and mitochondrial angle on aging. , 2023, , 175-256.		0
892	Biopolymers based aerogels: A review on revolutionary solutions for smart therapeutics delivery. <i>Progress in Materials Science</i> , 2023, 131, 101014.	16.0	41

#	ARTICLE	IF	CITATIONS
893	Anti-diabetic effects of Inonotus obliquus extract in high fat diet combined streptozotocin-induced type 2 diabetic mice. <i>Nutricion Hospitalaria</i> , 2022, , .	0.2	1
894	Distinctive effects of different types of advanced glycation end-products (AGEs) on liver glucose metabolism. <i>Food and Function</i> , 2022, 13, 11298-11306.	2.1	5
895	Le r�cepteur de lâ€™insuline a 50 ans â€ Revue des progr�s accomplis. <i>Biologie Aujourd'hui</i> , 2022, 216, 7-28. 0.1	0.1	0
896	Cellular and molecular mechanisms involved in metabolic disorders. , 2022, , 21-29.		1
897	Gracilaria Chorda Subcritical-Water Extracts as Ameliorant of Insulin Resistance Induced by High-Glucose in Zebrafish and Dexamethasone in L6 Myotubes. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
898	Treatment Regimes in Diabetes and Their Impact on Biomarkers. <i>Biomarkers in Disease</i> , 2022, , 1-44.	0.0	0
899	Two models of insulin resistance development and the strategy to combat age-related diseases: literature review. <i>Problemy Endokrinologii</i> , 2022, 68, 59-68.	0.2	1
900	Inflammation and obesity. , 2023, , 71-81.		0
901	Insulin signaling as a therapeutic mechanism of lithium in bipolar disorder. <i>Translational Psychiatry</i> , 2022, 12, .	2.4	14
902	The Tyrosine Phosphatase SHP2: A New Target for Insulin Resistance?. <i>Biomedicines</i> , 2022, 10, 2139.	1.4	1
903	GLP-1 Agonist to Treat Obesity and Prevent Cardiovascular Disease: What Have We Achieved so Far?. <i>Current Atherosclerosis Reports</i> , 2022, 24, 867-884.	2.0	23
904	Association of Leptin and Leptin receptor Gene polymorphisms with Insulin resistance in pregnant women: A cross-sectional study. <i>F1000Research</i> , 0, 11, 692.	0.8	2
905	Ubiquitin-like processing of TUG proteins as a mechanism to regulate glucose uptake and energy metabolism in fat and muscle. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	0
906	Berberine mitigates hepatic insulin resistance by enhancing mitochondrial architecture via the SIRT1/Opa1 signalling pathway. <i>Acta Biochimica Et Biophysica Sinica</i> , 2022, 54, 1464-1475.	0.9	5
907	An Updated Perspective on the Dual-Track Model of Enterocyte Fat Metabolism. <i>Journal of Lipid Research</i> , 2022, 63, 100278.	2.0	1
908	Pathophysiology of type 2 diabetes in sub-Saharan Africans. <i>Diabetologia</i> , 2022, 65, 1967-1980.	2.9	10
909	Serum plays an important role in reprogramming the seasonal transcriptional profile of brown bear adipocytes. <i>IScience</i> , 2022, 25, 105084.	1.9	2
910	Maternal diabetes negatively impacts fetal health. <i>Open Biology</i> , 2022, 12, .	1.5	1

#	ARTICLE	IF	CITATIONS
911	Evaluating the Effectiveness of Joint Specialist Case Conferences in Improving Diabetes Control in Patients With Schizophrenia on Clozapine. <i>Journal of Nervous and Mental Disease</i> , 0, Publish Ahead of Print, .	0.5	0
912	Astragaloside IV Regulates Insulin Resistance and Inflammatory Response of Adipocytes via Modulating CTRP3 and PI3K/AKT Signaling. <i>Diabetes Therapy</i> , 2022, 13, 1823-1834.	1.2	3
913	Is insulin resistance tissue-dependent and substrate-specific? The role of white adipose tissue and skeletal muscle. <i>Biochimie</i> , 2023, 204, 48-68.	1.3	4
914	Exenatide improves hepatocyte insulin resistance induced by different regional adipose tissue. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	2
915	Gamma-glutamyl transferase to high-density lipoprotein cholesterol ratio: A valuable predictor of type 2 diabetes mellitus incidence. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	3
916	Photobiomodulation Therapy on the Treatment of Insulin Resistance: A Narrative Review. <i>Photobiomodulation, Photomedicine, and Laser Surgery</i> , 2022, 40, 597-603.	0.7	5
917	Triglyceride-glucose index is associated with quantitative flow ratio in patients with acute ST-elevation myocardial infarction after percutaneous coronary intervention. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	4
918	Depression status and insulin resistance in adults with obesity: A cross-sectional study. <i>Journal of Psychosomatic Research</i> , 2022, 163, 111049.	1.2	5
919	Insulin Resistance and High Blood Pressure: Mechanistic Insight on the Role of the Kidney. <i>Biomedicines</i> , 2022, 10, 2374.	1.4	10
920	Obesity, Diabetes Mellitus, and Vascular Impediment as Consequences of Excess Processed Food Consumption. <i>Cureus</i> , 2022, , .	0.2	0
921	Extended treatment with (1 α) ²⁵ (OH) ₂ D ₃ (vitamin D ₃) reduces obesity and its comorbidities in high-fat/high-sugar diet-fed rats. <i>Cell Biochemistry and Function</i> , 2022, 40, 773-783.	1.4	0
922	New insights into cellular links between sodium-glucose cotransporter 2 inhibitors and ketogenesis. <i>Journal of Cellular Biochemistry</i> , 2022, 123, 1879-1890.	1.2	2
923	Dried Bilberry (<i>Vaccinium myrtillus</i> L.) Alleviates the Inflammation and Adverse Metabolic Effects Caused by a High-Fat Diet in a Mouse Model of Obesity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11021.	1.8	4
924	Activation of the insulin receptor by an insulin mimetic peptide. <i>Nature Communications</i> , 2022, 13, .	5.8	14
925	Simple Method to Predict Insulin Resistance in Children Aged 6–12 Years by Using Machine Learning. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 0, Volume 15, 2963-2975.	1.1	0
926	DPHB, a diarylheptane from <i>Alpinia officinarum</i> Hance, ameliorates insulin resistance: A network pharmacology and in vitro study. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	1
927	Case report: Successful combination therapy with double-filtration plasmapheresis and rituximab under the condition of the use of a sensor-augmented pump for type B insulin resistance syndrome. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	1
928	Systemic LSD1 Inhibition Prevents Aberrant Remodeling of Metabolism in Obesity. <i>Diabetes</i> , 2022, 71, 2513-2529.	0.3	8

#	ARTICLE	IF	CITATIONS
929	Treatment Regimes in Diabetes and Their Impact on Biomarkers. <i>Biomarkers in Disease</i> , 2023, , 21-64.	0.0	0
930	Importance of Insulin Resistance in the COVID-19 Era: A Retrospective Analysis of a Single Center in Mexico. <i>Cureus</i> , 2022, , .	0.2	2
931	Herbal tea, a novel adjuvant therapy for treating type 2 diabetes mellitus: A review. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	0
932	Role of mitochondria-associated endoplasmic reticulum membranes in insulin sensitivity, energy metabolism, and contraction of skeletal muscle. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	5
933	Fat body phospholipid state dictates hunger-driven feeding behavior. <i>ELife</i> , 0, 11, .	2.8	7
934	Congenital adiponectin deficiency mitigates high-fat-diet-induced obesity in gonadally intact male and female, but not in ovariectomized mice. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
935	Proteomic analysis of skeletal muscle in Chinese hamsters with type 2 diabetes mellitus reveals that OPLAH downregulation affects insulin resistance and impaired glucose uptake. <i>Free Radical Biology and Medicine</i> , 2022, , .	1.3	0
936	A performance review of novel adiposity indices for assessing insulin resistance in a pediatric Latino population. <i>Frontiers in Pediatrics</i> , 0, 10, .	0.9	1
937	Mechanistic insights into the effects of Astaxanthin on lipid profile and glucose homeostasis parameters: A systematic review of animal and clinical trial studies. <i>Nutrition Clinique Et Metabolisme</i> , 2022, 36, 261-270.	0.2	1
938	Lipid metabolism in type 1 diabetes mellitus: Pathogenetic and therapeutic implications. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	6
939	Jerusalem artichoke inulin supplementation ameliorates hepatic lipid metabolism in type 2 diabetes mellitus mice by modulating the gut microbiota and fecal metabolome. <i>Food and Function</i> , 2022, 13, 11503-11517.	2.1	9
940	PI3K and AKT at the Interface of Signaling and Metabolism. <i>Current Topics in Microbiology and Immunology</i> , 2022, , 311-336.	0.7	0
941	Markers, pathways, and current evidence for periodontitis-associated insulin resistance: A narrative review. <i>Journal of International Society of Preventive and Community Dentistry</i> , 2022, 12, 475.	0.4	2
942	Skin Microhemodynamics and Mechanisms of Its Regulation in Type 2 Diabetes Mellitus. <i>Biophysics (Russian Federation)</i> , 2022, 67, 647-659.	0.2	1
943	Triglyceride glucose index is independently associated with aortic intima-media thickness in patients without known atherosclerotic cardiovascular disease or diabetes. <i>Diabetes and Vascular Disease Research</i> , 2022, 19, 147916412211362.	0.9	4
944	Nonlinear relationship between aspartate aminotransferase to alanine aminotransferase ratio and the risk of prediabetes: A retrospective study based on chinese adults. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	3
945	Cistanche tubulosa phenylethanoid glycosides suppressed adipogenesis in 3T3-L1 adipocytes and improved obesity and insulin resistance in high-fat diet induced obese mice. <i>BMC Complementary Medicine and Therapies</i> , 2022, 22, .	1.2	5
946	Impairment of insulin signaling pathway PI3K/Akt/mTOR and insulin resistance induced AGEs on diabetes mellitus and neurodegenerative diseases: a perspective review. <i>Molecular and Cellular Biochemistry</i> , 2023, 478, 1307-1324.	1.4	16

#	ARTICLE	IF	CITATIONS
947	Effect of dipeptidyl peptidase-4 inhibitors on postprandial glucagon level in patients with type 2 diabetes mellitus: A systemic review and meta-analysis. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	3
948	Angiotensin-Converting Enzyme 2 improves hepatic insulin resistance by regulating GABAergic signaling in the liver. <i>Journal of Biological Chemistry</i> , 2022, , 102603.	1.6	1
949	The Therapeutic Potential of Plant Polysaccharides in Metabolic Diseases. <i>Pharmaceuticals</i> , 2022, 15, 1329.	1.7	7
950	Exploration of hub genes involved in PCOS using biological informatics methods. <i>Medicine (United Tj ETQq1 1 0.784314 rgBT /Overl</i>	0.4	6
951	Up-regulation of miR-133a-3p promotes ovary insulin resistance on granulosa cells of obese PCOS patients via inhibiting PI3K/AKT signaling. <i>BMC Women's Health</i> , 2022, 22, .	0.8	4
952	Ultrasensitive sensors reveal the spatiotemporal landscape of lactate metabolism in physiology and disease. <i>Cell Metabolism</i> , 2023, 35, 200-211.e9.	7.2	28
953	Underlying mechanisms of acupuncture therapy on polycystic ovary syndrome: Evidences from animal and clinical studies. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	2
954	A cross-sectional study on the effect of dietary zinc intake on the relationship between serum vitamin D3 and HOMA-IR. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	0
955	Mitochondrial transplantation: opportunities and challenges in the treatment of obesity, diabetes, and nonalcoholic fatty liver disease. <i>Journal of Translational Medicine</i> , 2022, 20, .	1.8	11
956	Sarcopenia and mortality risk in community-dwelling Brazilian older adults. <i>Scientific Reports</i> , 2022, 12, .	1.6	5
957	Phosphatase protector alpha4 ($\uparrow\pm 4$) is involved in adipocyte maintenance and mitochondrial homeostasis through regulation of insulin signaling. <i>Nature Communications</i> , 2022, 13, .	5.8	5
958	Differential biochemical-inflammatory patterns in the astrocyte-neuron axis of the hippocampus and frontal cortex in Wistar rats with metabolic syndrome induced by high fat or carbohydrate diets. <i>Journal of Chemical Neuroanatomy</i> , 2022, 126, 102186.	1.0	4
960	Effect of chronic administration of 17β -estradiol on the vasopressor responses induced by the sympathetic nervous system in insulin resistance rats. <i>Steroids</i> , 2022, 188, 109132.	0.8	2
961	Integrated experimental-computational analysis of a HepaRG liver-islet microphysiological system for human-centric diabetes research. <i>PLoS Computational Biology</i> , 2022, 18, e1010587.	1.5	6
962	Regulatory Mechanisms of SNAP-25-Associated Insulin Release Revealed by Live-Cell Confocal and Single-Molecule Localization Imaging. <i>Analytical Chemistry</i> , 2022, 94, 15307-15314.	3.2	0
963	Sexual dimorphism in the molecular mechanisms of insulin resistance during a critical developmental window in Wistar rats. <i>Cell Communication and Signaling</i> , 2022, 20, .	2.7	3
964	Andrographolide Promotes Uptake of Glucose and GLUT4 Transport through the PKC Pathway in L6 Cells. <i>Pharmaceuticals</i> , 2022, 15, 1346.	1.7	1
965	Understanding the role of growth hormone in situations of metabolic stress. <i>Journal of Endocrinology</i> , 2023, 256, .	1.2	6

#	ARTICLE	IF	CITATIONS
966	Moderate intensity continuous and interval training affect visceral fat and insulin resistance model in female rat exposed high calorie diet. <i>Comparative Exercise Physiology</i> , 2022, 18, 403-411.	0.3	0
967	Clove bud (<i>Syzygium aromaticum</i> L.) polyphenol helps to mitigate metabolic syndrome by establishing intracellular redox homeostasis and glucose metabolism: A randomized, double-blinded, active-controlled comparative study. <i>Journal of Functional Foods</i> , 2022, 98, 105273.	1.6	3
968	HM-chromanone reverses the blockade of insulin signaling induced by high glucose levels in human HepG2 cells. <i>European Journal of Pharmacology</i> , 2022, 937, 175358.	1.7	0
969	Identification of potential biomarkers and metabolic insights for gestational diabetes prevention: A review of evidence contrasting gestational diabetes versus weight loss studies that may direct future nutritional metabolomics studies. <i>Nutrition</i> , 2022, , 111898.	1.1	0
970	Exposure to intrauterine diabetes and post-natal high-fat diet: Effects on the endocrine pancreas of adult rat female pups. <i>Life Sciences</i> , 2022, 310, 121108.	2.0	3
971	Effects of SGLT2 inhibitor dapagliflozin in patients with type 2 diabetes on skeletal muscle cellular metabolism. <i>Molecular Metabolism</i> , 2022, 66, 101620.	3.0	8
972	Chinese bayberry (<i>Myrica rubra</i> Sieb. et Zucc.) leaves proanthocyanidins alleviate insulin-resistance via activating PI3K/AKT pathway in HepG2 cells. <i>Journal of Functional Foods</i> , 2022, 99, 105297.	1.6	7
973	Macronutrient intake: Hormonal controls, pathological states, and methodological considerations. <i>Appetite</i> , 2023, 180, 106365.	1.8	1
974	Formation of Protamine and Znâ€“Insulin Assembly: Exploring Biophysical Consequences. <i>ACS Omega</i> , 2022, 7, 41044-41057.	1.6	4
975	Increased risk of incident gout in young men with metabolic syndrome: A nationwide population-based cohort study of 3.5 million men. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	1
976	Effect of High-intensity Interval Training with Royal Jelly Consumption on Serum Levels of Glucose, Insulin, and Insulin Resistance Index of Overweight and Obese Middle-aged Men: A Quasi-experimental Study. <i>Jundishapur Journal of Chronic Disease Care</i> , 2022, 11, .	0.1	1
977	Assessment of hydrophobic-ion paired insulin incorporated SMEDDS for the treatment of diabetes mellitus. <i>International Journal of Biological Macromolecules</i> , 2023, 225, 911-922.	3.6	3
978	Impact of Intermittent Fasting on Metabolic Syndrome and Periodontal Diseaseâ€“A Suggested Preventive Strategy to Reduce the Public Health Burden. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 14536.	1.2	2
979	Zishen Pill alleviates diabetes in Db/db mice via activation of PI3K/AKT pathway in the liver. <i>Chinese Medicine</i> , 2022, 17, .	1.6	0
980	The association between obesity and vitamin D deficiency modifies the progression of kidney disease after ischemia/reperfusion injury. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	2
981	Case Report: Diabetic Ketoacidosis During Pregnancy Due to Insulin Omission. <i>Open Access Emergency Medicine</i> , 0, Volume 14, 615-618.	0.6	1
982	ROS and ERK Pathway Mechanistic Approach on Hepatic Insulin Resistance After Chronic Oral Exposure to Cadmium NOAEL Dose. <i>Biological Trace Element Research</i> , 2023, 201, 3903-3918.	1.9	4
983	The potential impact of insulin resistance and metabolic syndrome on migraine headache characteristics. <i>BMC Neurology</i> , 2022, 22, .	0.8	2

#	ARTICLE	IF	CITATIONS
984	Physical activity and diabetes mortality in people with type 2 diabetes: a prospective cohort study of 0.5 million US people. <i>Diabetes and Metabolism</i> , 2023, 49, 101410.	1.4	2
985	Effect of Insulin and Pioglitazone on Protein Phosphatase 2A Interaction Partners in Primary Human Skeletal Muscle Cells Derived from Obese Insulin-Resistant Participants. <i>ACS Omega</i> , 0, , .	1.6	1
986	Clustering patterns of metabolic syndrome: A cross-sectional study in children and adolescents in Kyiv. <i>Frontiers in Pediatrics</i> , 0, 10, .	0.9	3
987	De Novo Transcriptome Assembly and Analysis of Longevity Genes Using Subterranean Termite (<i>Reticulitermes chinensis</i>) Castes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13660.	1.8	1
988	SHORT Syndrome: an Update on Pathogenesis and Clinical Spectrum. <i>Current Diabetes Reports</i> , 2022, 22, 571-577.	1.7	1
989	High-starchy carbohydrate diet aggravates NAFLD by increasing fatty acids influx mediated by NOX2. <i>Food Science and Human Wellness</i> , 2023, 12, 1081-1101.	2.2	6
990	Consequences of Insulin Resistance Long Term in the Body and Its Association with the Development of Chronic Diseases. <i>Journal of Biosciences and Medicines</i> , 2022, 10, 96-109.	0.1	1
991	N-Caffeoyltryptophan enhances adipogenic differentiation in preadipocytes and improves glucose tolerance in mice. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2023, 1867, 130277.	1.1	2
992	Anti-hyperglycemic potential and chemical constituents of <i>Aristolochia triangularis</i> Cham. leaves â A medicinal species native to Brazilian forests. <i>Journal of Ethnopharmacology</i> , 2023, 303, 115991.	2.0	1
993	High-Intensity Interval Training and Diabetes Mellitus. <i>Journal of Biomedical Science and Engineering</i> , 2022, 15, 281-286.	0.2	0
994	The outcome of sternum healing among diabetic patients undergoing open heart surgery: a literature review. <i>Bali Medical Journal</i> , 2022, 11, 818-826.	0.1	1
995	Comprehensive Review of Cardiovascular Disease Risk in Nonalcoholic Fatty Liver Disease. <i>Journal of Cardiovascular Development and Disease</i> , 2022, 9, 419.	0.8	5
997	Effects of Intranasally Administered Insulin and Gangliosides on Hypothalamic Signaling and Expression of Hepatic Gluconeogenesis Genes in Rats with Type 2 Diabetes Mellitus. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2022, 58, 1744-1765.	0.2	0
998	Molecular basis for the role of disulfide-linked Î±CTs in the activation of insulin-like growth factor 1 receptor and insulin receptor. <i>ELife</i> , 0, 11, .	2.8	8
999	Role of potential bioactive metabolites from traditional Chinese medicine for type 2 diabetes mellitus: An overview. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	3
1000	The Relationship between Anthropometric Measurements and Vitamin D Levels and Insulin Resistance in Obese Children and Adolescents. <i>Children</i> , 2022, 9, 1837.	0.6	1
1001	The role of pioglitazone in the fight against insulin resistance, atherosclerosis, cardiovascular disease, and non-alcoholic fatty liver disease. <i>Diabetes Mellitus</i> , 2022, 25, 504-513.	0.5	0
1002	Increased protein phosphatase 5 expression in inflammation-induced left ventricular dysfunction in rats. <i>BMC Cardiovascular Disorders</i> , 2022, 22, .	0.7	3

#	ARTICLE	IF	CITATIONS
1003	Distinct subcellular localisation of intramyocellular lipids and reduced PKC μ /PKC δ activity preserve muscle insulin sensitivity in exercise-trained mice. <i>Diabetologia</i> , 2023, 66, 567-578.	2.9	3
1004	The Role of Oxidative Stress-Mediated Inflammation in the Development of T2DM-Induced Diabetic Nephropathy: Possible Preventive Action of Tannins and Other Oligomeric Polyphenols. <i>Molecules</i> , 2022, 27, 9035.	1.7	15
1005	The human liver lipidome is significantly related to the lipid composition and aggregation susceptibility of low-density lipoprotein (LDL) particles. <i>Atherosclerosis</i> , 2022, 363, 22-29.	0.4	4
1006	Serum Phospholipids Are Potential Therapeutic Targets of Aqueous Extracts of Roselle (<i>Hibiscus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock and Public Health, 2022, 19, 16538.	1.2	1
1007	Development of a Lysine-Based Poly(ester amide) Library with High Biosafety and a Finely Tunable Structure for Spatiotemporal-Controlled Protein Delivery. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 55944-55956.	4.0	6
1008	High-intensity interval training improves metabolic syndrome in women with breast cancer receiving Anthracyclines. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2023, 33, 475-484.	1.3	2
1009	Dietary restriction in senolysis and prevention and treatment of disease. <i>Critical Reviews in Food Science and Nutrition</i> , 0, , 1-27.	5.4	1
1010	Neutralizing MIP3 \pm Reduces Renal Immune Cell Infiltration and Progressive Renal Injury in Young Obese Dahl Salt-Sensitive Rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2023, 384, 445-454.	1.3	2
1011	Association of triglyceride-glucose index and its 6-year change with risk of hypertension: A prospective cohort study. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2023, 33, 568-576.	1.1	6
1013	Insulin resistance in ischemic stroke: Mechanisms and therapeutic approaches. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	13
1014	Study of Serum Leptin Level in Patients DiabetesMellitusType2: in Relation with Insulin Level. <i>Cumhuriyet Medical Journal</i> , 0, , .	0.1	0
1015	Serpentine Enhances Insulin Regulation of Blood Glucose through Insulin Receptor Signaling Pathway. <i>Pharmaceuticals</i> , 2023, 16, 16.	1.7	0
1016	The Potential Role of R4 Regulators of G Protein Signaling (RGS) Proteins in Type 2 Diabetes Mellitus. <i>Cells</i> , 2022, 11, 3897.	1.8	1
1017	Advances on Hormones and Steroids Determination: A Review of Voltammetric Methods since 2000. <i>Membranes</i> , 2022, 12, 1225.	1.4	1
1018	Lipidomics analysis reveals new insights into the goose fatty liver formation. <i>Poultry Science</i> , 2023, 102, 102428.	1.5	3
1019	A Review of the Effects of Puerarin on Glucose and Lipid Metabolism in Metabolic Syndrome: Mechanisms and Opportunities. <i>Foods</i> , 2022, 11, 3941.	1.9	1
1020	Hepatocyte-derived DPP4 regulates portal GLP-1 bioactivity, modulates glucose production, and when absent influences NAFLD progression. <i>JCI Insight</i> , 2023, 8, .	2.3	2
1021	Insulin and IGF-1 elicit robust transcriptional regulation to modulate autophagy in astrocytes. <i>Molecular Metabolism</i> , 2022, 66, 101647.	3.0	7

#	ARTICLE	IF	CITATIONS
1022	In Vitro Modeling of Diabetes Impact on Vascular Endothelium: Are Essentials Engaged to Tune Metabolism?. <i>Biomedicines</i> , 2022, 10, 3181.	1.4	3
1023	Umbrella review of time-restricted eating on weight loss, fasting blood glucose, and lipid profile. <i>Nutrition Reviews</i> , 2023, 81, 1180-1199.	2.6	10
1024	Diabetic Encephalopathy: Role of Oxidative and Nitrosative Factors in Type 2 Diabetes. <i>Indian Journal of Clinical Biochemistry</i> , 2024, 39, 3-17.	0.9	1
1025	The dynamic clustering of insulin receptor underlies its signaling and is disrupted in insulin resistance. <i>Nature Communications</i> , 2022, 13, .	5.8	16
1026	Sex-specific Trajectories of Insulin Resistance Markers and Reduced Renal Function During 18 Years of Follow-up: TLGS. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2023, 108, e230-e239.	1.8	5
1027	<i>in</i> deficiency inhibits preadipocyte differentiation and promotes insulin resistance through regulating insulin signaling. <i>Obesity</i> , 2023, 31, 123-138.	1.5	2
1028	Hepatocyte Smoothed Activity Controls Susceptibility to Insulin Resistance and Nonalcoholic Fatty Liver Disease. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2023, 15, 949-970.	2.3	4
1029	Bayesian network analysis of panomic biological big data identifies the importance of triglyceride-rich LDL in atherosclerosis development. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	0
1030	Sex-Specific Cut-Offs of Single Point Insulin Sensitivity Estimator (SPISE) in Predicting Metabolic Syndrome in the Arab Adolescents. <i>Diagnostics</i> , 2023, 13, 324.	1.3	1
1031	SLC7A14 imports GABA to lysosomes and impairs hepatic insulin sensitivity via inhibiting mTORC2. <i>Cell Reports</i> , 2023, 42, 111984.	2.9	2
1032	Obesity and diabetes: the final frontier. <i>Expert Review of Endocrinology and Metabolism</i> , 2023, 18, 81-94.	1.2	4
1033	A systematic analysis of anti-diabetic medicinal plants from cells to clinical trials. <i>PeerJ</i> , 0, 11, e14639.	0.9	2
1035	Underlying biochemical effects of intermittent fasting, exercise and honey on streptozotocin-induced liver damage in rats. <i>Journal of Diabetes and Metabolic Disorders</i> , 2023, 22, 515-527.	0.8	4
1037	Neuregulin-1 ² increases glucose uptake and promotes GLUT4 translocation in palmitate-treated C2C12 myotubes by activating PI3K/AKT signaling pathway. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	5
1038	Probiotic Yogurt Alleviates High-Fat Diet-Induced Lipid Accumulation and Insulin Resistance in Mice via the Adiponectin Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2023, 71, 1464-1476.	2.4	7
1039	The effect of high carbohydrate and high MSG intake on body weight and white adipose tissue. <i>AIP Conference Proceedings</i> , 2023, , .	0.3	2
1040	Enhanced protein acetylation initiates fatty acid-mediated inhibition of cardiac glucose transport. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2023, 324, H305-H317.	1.5	6
1041	Investigating family history of diabetes as a predictor of fasting insulin and fasting glucose activity in a sample of healthy weight adults. <i>Acta Diabetologica</i> , 0, , .	1.2	0

#	ARTICLE	IF	CITATIONS
1042	Should Carbohydrate Intake Be More Liberal during Oral and Enteral Nutrition in Type 2 Diabetic Patients?. <i>Nutrients</i> , 2023, 15, 439.	1.7	0
1043	Mathematical Modelling of Combined Intervention Strategies for the Management and Control of Plasma Glucose of a Diabetes Mellitus Patient: A System Dynamic Modelling Approach. <i>Mathematics</i> , 2023, 11, 306.	1.1	0
1044	Structural Characterization and Hypoglycemic Function of Polysaccharides from <i>Cordyceps cicadae</i> . <i>Molecules</i> , 2023, 28, 526.	1.7	11
1046	Prediction of body fat increase from food addiction scale in school-aged children and adolescents: A longitudinal cross-lagged study. <i>Frontiers in Public Health</i> , 0, 10, .	1.3	0
1047	Association of vitamin D deficiency and insulin resistance in nondiabetic obese women: role of parathyroid hormone. <i>International Journal of Diabetes in Developing Countries</i> , 0, , .	0.3	0
1048	Tip 2 Diyabet Modeli Ratlar ± n Karaci ğ er Dokular ± nda Kodlanan Genlerin İ fade D e ğeryleri. <i>Ankara Sağlık Bilimleri Dergisi</i> , 2021, 10, 25-34.	0.1	1
1049	Aspalathin Alleviates Skeletal Muscle Insulin Resistance and Mitochondrial Dysfunction. <i>Physiological Research</i> , 0, , 643-656.	0.4	3
1051	Branched-Chain Amino Acids and Insulin Resistance, from Protein Supply to Diet-Induced Obesity. <i>Nutrients</i> , 2023, 15, 68.	1.7	13
1053	Loss of Slc12a2 specifically in pancreatic β -cells drives metabolic syndrome in mice. <i>PLoS ONE</i> , 2022, 17, e0279560.	1.1	3
1054	Association of maternal lipid levels with birth weight and cord blood insulin: a Bayesian network analysis. <i>BMJ Open</i> , 2022, 12, e064122.	0.8	1
1055	The triglyceride and glucose index and risk of nonalcoholic fatty liver disease: A dose - response meta-analysis. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	8
1056	Intramuscular lipid utilization during exercise: a systematic review, meta-analysis, and meta-regression. <i>Journal of Applied Physiology</i> , 2023, 134, 581-592.	1.2	5
1057	Regulation of fat stores - endocrinological pathways. , 2023, , 193-204.		0
1058	How dietary amino acids and high protein diets influence insulin secretion. <i>Physiological Reports</i> , 2023, 11, .	0.7	4
1059	mTORC1 syndrome (TorS): unified paradigm for diabetes/metabolic syndrome. <i>Trends in Endocrinology and Metabolism</i> , 2023, 34, 135-145.	3.1	3
1060	Prospects for the use of drugs from the group of agonists of glucagon-like peptide-1 receptors in the treatment of non-alcoholic fatty liver disease. <i>Meditinskiy Sovet</i> , 2023, , 148-155.	0.1	0
1061	Insulin resistance and the autonomic nervous system. , 2023, , 353-356.		0
1062	The role of exercise and hypoxia on glucose transport and regulation. <i>European Journal of Applied Physiology</i> , 2023, 123, 1147-1165.	1.2	3

#	ARTICLE	IF	CITATIONS
1063	An adipocentric perspective on the development and progression of non-alcoholic fatty liver disease. <i>Journal of Hepatology</i> , 2023, 78, 1048-1062.	1.8	35
1064	A novel view of the insulin signaling pathway based on prediction of protein structure by the AI platform AlphaFold . <i>Journal of Diabetes Investigation</i> , 2023, 14, 635-639.	1.1	1
1065	Activation of POMC neurons to adiponectin participating in EA-mediated improvement of high-fat diet IR mice. <i>Frontiers in Neuroscience</i> , 0, 17, .	1.4	1
1066	Polymer-Based Nanostructures for Pancreatic Beta-Cell Imaging and Non-Invasive Treatment of Diabetes. <i>Pharmaceutics</i> , 2023, 15, 1215.	2.0	0
1067	Antidiabetic Properties of Plant Secondary Metabolites. <i>Metabolites</i> , 2023, 13, 513.	1.3	4
1068	Mitochondrial pyruvate carrier inhibition initiates metabolic crosstalk to stimulate branched chain amino acid catabolism. <i>Molecular Metabolism</i> , 2023, 70, 101694.	3.0	15
1069	Metabolic Syndrome and Its Association with Nonalcoholic Steatohepatitis. <i>Clinics in Liver Disease</i> , 2023, 27, 187-210.	1.0	9
1070	A novel nonsense mutation in the insulin receptor gene in a patient with HAIR-AN syndrome and endometrial cancer. <i>Molecular Genetics and Metabolism Reports</i> , 2023, 35, 100965.	0.4	0
1071	Ameliorative effects of mangiferin derivative TPX on insulin resistance via PI3K/AKT and AMPK signaling pathways in human HepG2 and HL-7702 hepatocytes. <i>Phytomedicine</i> , 2023, 114, 154740.	2.3	4
1073	PPAR- δ signaling in nonalcoholic fatty liver disease: Pathogenesis and therapeutic targets. , 2023, 245, 108391.		18
1074	Real-time artificial intelligence assisted insulin dosage titration system for glucose control in type 2 diabetic patients: a proof of concept study. , 2023, 2, .		0
1075	Role of ceramides in diabetic foot ulcers (Review). <i>International Journal of Molecular Medicine</i> , 2023, 51, .	1.8	2
1076	Effects of tomato ketchup and tomato paste extract on hepatic lipid accumulation and adipogenesis. <i>Food Science and Biotechnology</i> , 0, , .	1.2	1
1077	Insulin Metabolism in Polycystic Ovary Syndrome: Secretion, Signaling, and Clearance. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3140.	1.8	16
1078	Screening for Gestational Diabetes; Can Apelin Help?. <i>Current Women's Health Reviews</i> , 2023, 19, .	0.1	0
1079	Ubiquitin-Specific Proteases (USPs) and Metabolic Disorders. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3219.	1.8	16
1080	Berberine: Pharmacological Features in Health, Disease and Aging. <i>Current Medicinal Chemistry</i> , 2024, 31, 1214-1234.	1.2	2
1081	The interactions between inflammation and insulin resistance: molecular mechanisms in insulin-producing and insulin-dependent tissues. <i>Diabetes Mellitus</i> , 2023, 26, 75-81.	0.5	2

#	ARTICLE	IF	CITATIONS
1082	Ectopic lipid metabolism in anterior pituitary dysfunction. <i>Frontiers in Endocrinology</i> , 0, 14, .	1.5	1
1083	Triglyceride-glucose index and triglyceride to high-density lipoprotein cholesterol ratio as potential cardiovascular disease risk factors: an analysis of UK biobank data. <i>Cardiovascular Diabetology</i> , 2023, 22, .	2.7	29
1084	Maternal hypertensive disorders during pregnancy and the risk of offspring diabetes mellitus in childhood, adolescence, and early adulthood: a nationwide population-based cohort study. <i>BMC Medicine</i> , 2023, 21, .	2.3	7
1085	Post-Load Insulin Secretion Patterns are Associated with Glycemic Status and Diabetic Complications in Patients with Type 2 Diabetes Mellitus. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2023, 131, 198-204.	0.6	0
1086	Glucose Homeostasis, Diabetes Mellitus, and Gender-Affirming Treatment. <i>Biomedicines</i> , 2023, 11, 670.	1.4	2
1087	Meteorin-like/Metrnl, a novel secreted protein implicated in inflammation, immunology, and metabolism: A comprehensive review of preclinical and clinical studies. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	6
1088	Effect of exercise training on insulin-stimulated glucose disposal: a systematic review and meta-analysis of randomized controlled trials. <i>International Journal of Obesity</i> , 2023, 47, 348-357.	1.6	2
1089	Translational characterization of the temporal dynamics of metabolic dysfunctions in liver, adipose tissue and the gut during diet-induced NASH development in Ldlr ^{-/-} .Leiden mice. <i>Heliyon</i> , 2023, 9, e13985.	1.4	3
1090	Design, synthesis, spectroscopic characterization, single crystal X-ray analysis, in vitro Î±-amylase inhibition assay, DPPH free radical evaluation and computational studies of naphtho[2,3-d]imidazole-4,9-dione appended 1,2,3-triazoles. <i>European Journal of Medicinal Chemistry</i> , 2023, 250, 115230.	2.6	5
1091	Modeling the progression of Type 2 diabetes with underlying obesity. <i>PLoS Computational Biology</i> , 2023, 19, e1010914.	1.5	2
1092	Nanoplastics Toxicity Specific to Liver in Inducing Metabolic Dysfunctionâ€”A Comprehensive Review. <i>Genes</i> , 2023, 14, 590.	1.0	5
1093	Pancreasâ€”Liverâ€”Adipose Axis: Target of Environmental Cadmium Exposure Linked to Metabolic Diseases. <i>Toxics</i> , 2023, 11, 223.	1.6	6
1094	Equine metabolic syndrome: Role of the enteroinsular axis in the insulin response to oral carbohydrate. <i>Veterinary Journal</i> , 2023, 294, 105967.	0.6	5
1095	Evaluation of the Correlation Between Vitamin D Level and Insulin Resistance in Children with Overweight and Obesity. <i>Duzce Universitesi Tip FakÃ¼ltesi Dergisi</i> , 0, , .	0.3	0
1096	Adipose tissue at single-cell resolution. <i>Cell Metabolism</i> , 2023, 35, 386-413.	7.2	30
1097	Involvement of Nitric Oxide in Insulin Secretion to Carbohydrate Metabolism. , 2023, , 211-221.		0
1098	Role of immune responses in the development of NAFLD-associated liver cancer and prospects for therapeutic modulation. <i>Journal of Hepatology</i> , 2023, 79, 538-551.	1.8	27
1099	Muscle Cell Insulin Resistance Is Attenuated by Rosmarinic Acid: Elucidating the Mechanisms Involved. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5094.	1.8	2

#	ARTICLE	IF	CITATIONS
1100	Insulin Therapy in Small Animals, Part 1: General Principles. <i>Veterinary Clinics of North America - Small Animal Practice</i> , 2023, 53, 615-633.	0.5	0
1102	Short-term semaglutide treatment improves <sc>FGF21</sc> responsiveness in primary hepatocytes isolated from high fat diet challenged mice. <i>Physiological Reports</i> , 2023, 11, .	0.7	4
1103	The lysosomal LAMTOR / Ragulator complex is essential for nutrient homeostasis in brown adipose tissue. <i>Molecular Metabolism</i> , 2023, 71, 101705.	3.0	1
1104	Knockdown of IL411 Improved High Glucose-evoked Insulin Resistance in HepG2 Cells by Alleviating Inflammation and Lipotoxicity Through AHR Activation. <i>Applied Biochemistry and Biotechnology</i> , 0, , .	1.4	1
1105	Meta-Analysis of Experimental Studies of Diet-Dependent Effects of Melatonin Monotherapy on Circulatory Levels of Triglycerides, Cholesterol, Glucose and Insulin in Rats. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2023, 59, 213-231.	0.2	0
1106	AT1 receptor downregulation: A mechanism for improving glucose homeostasis. <i>World Journal of Diabetes</i> , 0, 14, 170-178.	1.3	2
1107	Role of selenium in type 2 diabetes, insulin resistance and insulin secretion. <i>World Journal of Diabetes</i> , 0, 14, 147-158.	1.3	5
1108	Health-related physical fitness in women with polycystic ovary syndrome versus controls: a systematic review and meta-analysis. <i>Archives of Gynecology and Obstetrics</i> , 2024, 309, 17-36.	0.8	0
1109	Fruktozla oluÅturulan metabolik sendromda renin-anjiyotensin sistemi. <i>Turkish Journal of Clinics and Laboratory</i> , 0, , .	0.2	0
1110	Shared peripheral blood biomarkers for Alzheimerâ€™s disease, major depressive disorder, and type 2 diabetes and cognitive risk factor analysis. <i>Heliyon</i> , 2023, 9, e14653.	1.4	2
1111	Association between triglyceride glucoseâ€body mass index and hypertension in Chinese adults: A crossâ€sectional study. <i>Journal of Clinical Hypertension</i> , 2023, 25, 370-379.	1.0	7
1112	Molecular tracking of insulin resistance and inflammation development on visceral adipose tissue. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	2
1113	Triglyceride-glucose index is associated with residual SYNTAX score in patients with ST-segment elevation myocardial infarction. <i>Cukurova Medical Journal</i> , 2023, 48, 92-100.	0.1	0
1115	New insights toward molecular and nanotechnological approaches to antidiabetic agents for Alzheimerâ€™s disease. <i>Molecular and Cellular Biochemistry</i> , 0, , .	1.4	1
1116	White-skinned sweet potato (<i>Ipomoea batatas</i> L.) acutely suppresses postprandial blood glucose elevation by improving insulin sensitivity in normal rats. <i>Heliyon</i> , 2023, 9, e14719.	1.4	4
1117	Low Protein Programming Causes Increased Mitochondrial Fusion and Decreased Oxygen Consumption in the Hepatocytes of Female Rats. <i>Nutrients</i> , 2023, 15, 1568.	1.7	1
1118	PNPLA3 rs738409 risk genotype decouples TyG index from HOMA2-IR and intrahepatic lipid content. <i>Cardiovascular Diabetology</i> , 2023, 22, .	2.7	2
1119	Molecular Mechanisms in the Etiology of Polycystic Ovary Syndrome (PCOS): A Multifaceted Hypothesis Towards the Disease with Potential Therapeutics. <i>Indian Journal of Clinical Biochemistry</i> , 2024, 39, 18-36.	0.9	2

#	ARTICLE	IF	CITATIONS
1120	Insulin Resistance Indices and Carotid Intima-media Thickness in Physically Fit Adults: CHIEF Atherosclerosis Study. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2023, 23, 1442-1448.	0.6	2
1121	The crucial role and mechanism of insulin resistance in metabolic disease. <i>Frontiers in Endocrinology</i> , 0, 14, .	1.5	21
1122	Metabolic dysfunction-associated fatty liver disease (MAFLD): an update of the recent advances in pharmacological treatment. <i>Journal of Physiology and Biochemistry</i> , 2023, 79, 869-879.	1.3	11
1123	Hematological and Inflammatory Parameters Effective on Inflammation and Insulin Resistance in Obesity. <i>Kahramanmaraş Sıhhiye Fakültesi Dergisi</i> , 2023, 18, 39-44.	0.1	1
1124	Possible homeostatic, glucose uptake mechanisms and hepato-pancreatic histological effects of intermittent fasting, exercise, starvation, and honey in streptozotocin-induced diabetes in rats. <i>Nutrire</i> , 2023, 48, .	0.3	1
1125	White Adipose Tissue Dysfunction: Pathophysiology and Emergent Measurements. <i>Nutrients</i> , 2023, 15, 1722.	1.7	8
1126	Sacha Inchi (<i>Plukenetia volubilis</i> L.) Oil Improves Hepatic Insulin Sensitivity and Glucose Metabolism through Insulin Signaling Pathway in a Rat Model of Type 2 Diabetes. <i>Preventive Nutrition and Food Science</i> , 2023, 28, 30-42.	0.7	1
1127	Obesity and insulin resistance: routes to vascular disease. , 2023, , 3-9.		0
1128	Complex metabolic-endocrine syndromes: associations with cardiovascular disease. , 2023, , 39-81.		1
1129	High-fat high-sucrose diet-induced skeletal muscle insulin resistance in female rats: a new soprano in the DAG chorus. <i>Journal of Physiology</i> , 0, , .	1.3	0
1130	The Activation Mechanism of the Insulin Receptor: A Structural Perspective. <i>Annual Review of Biochemistry</i> , 2023, 92, 247-272.	5.0	10
1131	Overview of Curcumin and Piperine Effects on Glucose Metabolism: The Case of an Insulinoma Patient's Loss of Consciousness. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6621.	1.8	1
1132	Association between the sarcopenia index and the risk of stroke in elderly patients with hypertension: a cohort study. <i>Aging</i> , 2023, 15, 2005-2032.	1.4	1
1133	Oxidative stress: The nexus of obesity and cognitive dysfunction in diabetes. <i>Frontiers in Endocrinology</i> , 0, 14, .	1.5	14
1134	Heterocyclic amines reduce insulin-induced AKT phosphorylation and induce gluconeogenic gene expression in human hepatocytes. <i>Archives of Toxicology</i> , 0, , .	1.9	2
1135	Therapeutic Potentials of Reducing Liver Fat in Non-Alcoholic Fatty Liver Disease: Close Association with Type 2 Diabetes. <i>Metabolites</i> , 2023, 13, 517.	1.3	2
1136	Mitochondria-Directing Fluorogenic Probe: An Efficient Amyloid Marker for Imaging Lipid Metabolite-Induced Protein Aggregation in Live Cells and <i>Caenorhabditis elegans</i> . <i>Analytical Chemistry</i> , 2023, 95, 6341-6350.	3.2	2
1137	Bioactivity and mechanisms of flavonoids in decreasing insulin resistance. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2023, 38, .	2.5	2

#	ARTICLE	IF	CITATIONS
1138	Systemic depletion of WWP1 improves insulin sensitivity and lowers triglyceride content in the liver of obese mice. <i>FEBS Open Bio</i> , 2023, 13, 1086-1094.	1.0	1
1139	Identification of Metabolism-Related Proteins as Biomarkers of Insulin Resistance and Potential Mechanisms of m6A Modification. <i>Nutrients</i> , 2023, 15, 1839.	1.7	0
1140	Chitosan-Based Hybrid Dressing Materials for Treatment of Diabetic Wounds. <i>Biological and Medical Physics Series</i> , 2023, , 201-219.	0.3	1
1142	Cardiac Metabolism in Heart Failure and Implications for Uremic Cardiomyopathy. <i>Circulation Research</i> , 2023, 132, 1034-1049.	2.0	2
1143	Aerobic exercise reduced the amount of CHRONO bound to BMAL1 and ameliorated glucose metabolic dysfunction in skeletal muscle of high-fat diet-fed mice. <i>Life Sciences</i> , 2023, 324, 121696.	2.0	0
1144	Subchronic co-exposure to particulate matter and fructose-rich-diet induces insulin resistance in male Sprague Dawley rats. <i>Environmental Toxicology and Pharmacology</i> , 2023, 100, 104115.	2.0	0
1145	Features of molecular mechanisms of insulin resistance pathogenesis in various tissues in obesity. <i>Obesity and Metabolism</i> , 2023, 19, 410-417.	0.4	0
1146	Hepatic Insulin Resistance Model in the Male Wistar Rat Using Exogenous Insulin Glargine Administration. <i>Metabolites</i> , 2023, 13, 572.	1.3	0
1147	Signal transduction of the insulin secretion induced by the chalcone analogue, (E)-3-(phenyl)-1-(3,4,5-trimethoxyphenyl)prop-2-en-1-one, and its role in glucose and lipid metabolism. <i>Biochimie</i> , 2023, 212, 85-94.	1.3	1
1148	Dysregulated Liver Metabolism and Polycystic Ovarian Syndrome. <i>International Journal of Molecular Sciences</i> , 2023, 24, 7454.	1.8	1
1149	Polyacetylenes from the adventitious roots of <i>Centella asiatica</i> with glucose uptake stimulatory activity. <i>Journal of Biotechnology</i> , 2023, , .	1.9	0
1150	Association between hypertension and the prevalence of liver steatosis and fibrosis. <i>BMC Endocrine Disorders</i> , 2023, 23, .	0.9	1
1151	Adipokines in glucose and lipid metabolism. <i>Adipocyte</i> , 2023, 12, .	1.3	4
1152	Pathophysiological Effects of Contemporary Lifestyle on Evolutionary-Conserved Survival Mechanisms in Polycystic Ovary Syndrome. <i>Life</i> , 2023, 13, 1056.	1.1	3
1153	Erianin alleviated liver steatosis by enhancing Nrf2-mediated VE-cadherin expression in vascular endothelium. <i>European Journal of Pharmacology</i> , 2023, 950, 175744.	1.7	2
1162	Biopharmaceutical Potential of <i>Ophiocordyceps sinensis</i> for Human Health. , 2023, , 189-219.		0
1169	Combination Therapy of Green Tea and Green Coffee on Improving Cardiomyocyte Metabolism Through Increased Expression of AMPK and AKT Genes in Metabolic Syndrome Model Rats. , 2023, , 477-487.		0
1176	Secondary metabolites of marine sponge-derived fungus <i>penicillium citrinum</i> Xt6 induce adipocyte differentiation on 3T3-L1 preadipocytes. <i>AIP Conference Proceedings</i> , 2023, , .	0.3	1

#	ARTICLE	IF	CITATIONS
1186	The Immune System and Inflammation in Type 2 Diabetes. , 2023, , 171-196.		0
1187	Nonalcoholic Fatty Liver in the Pathogenesis of Diabetes. , 2023, , 261-270.		0
1197	Pathophysiology: How COVID-19 Impacts the Pancreas and Peripheral Insulin Resistance. Contemporary Endocrinology, 2023, , 19-32.	0.3	0
1205	Periodontitis as a promoting factor of T2D: current evidence and mechanisms. International Journal of Oral Science, 2023, 15, .	3.6	9
1212	Endocrine. , 2023, , 107-203.		0
1213	Understanding human diet, disease, and insulin resistance: scientific and evolutionary perspectives. , 2023, , 3-69.		0
1241	Understanding insulin. , 0, , .		0
1271	A comprehensive review of the effects of resveratrol on glucose metabolism: unveiling the molecular pathways and therapeutic potential in diabetes management. Molecular Biology Reports, 2023, 50, 8743-8755.	1.0	2
1297	Insulin Tregopil: An Ultra-Fast Oral Recombinant Human Insulin Analog: Preclinical and Clinical Development in Diabetes Mellitus. Drugs, 2023, 83, 1161-1178.	4.9	0
1306	Protein-Based Data Augmentation for the Prediction of Peptide Toxicity Using Deep Learning. , 2023, , .		0
1315	Ausdauer: Mikrozirkulation, aerober Energiestoffwechsel, Sarkopenie, Schmerzen. , 2023, , 135-224.		0
1320	Insulin Resistance in Obesity. , 2023, , 1-23.		0
1321	Insulin-sensitizing agents for infertility treatment in woman with polycystic ovary syndrome: a narrative review of current clinical practice. Hormones, 2024, 23, 49-58.	0.9	1
1332	Mitochondria as a target for exercise-mitigated type 2 diabetes. Journal of Molecular Histology, 2023, 54, 543-557.	1.0	4
1339	Thyroid-stimulating hormone may participate in insulin resistance by activating toll-like receptor 4 in liver tissues of subclinical hypothyroid rats. Molecular Biology Reports, 2023, 50, 10637-10650.	1.0	1
1343	Synthesizing biomaterials in living organisms. Chemical Society Reviews, 2023, 52, 8126-8164.	18.7	3
1349	Unraveling the rationale and conducting a comprehensive assessment of KD025 (Belumosudil) as a candidate drug for inhibiting adipogenic differentiationâ€”a systematic review. Naunyn-Schmiedeberg's Archives of Pharmacology, 0, , .	1.4	0
1380	Advances and challenges in measuring hepatic glucose uptake with FDG PET: implications for diabetes research. Diabetologia, 2024, 67, 407-419.	2.9	0

#	ARTICLE	IF	CITATIONS
1405	Classic metabolic actions of insulin in humans: from physiology to disease and novel pharmacotherapeutics. , 2023, , 25-60.		0
1410	Impaired Physiological Regulation of β Cells: Recent Findings from Type 2 Diabetic Patients. , 0, , .		0
1426	Obesity-mediated insulin resistance in target tissues: role of adiponectin, fetuin-A, and irisin. , 2024, , 511-525.		0
1429	Syndromes of severe insulin resistance: lessons from nature. , 2023, , 371-401.		0
1430	Insulin Resistance in Obesity. , 2023, , 405-427.		0
1439	Bariatric Surgery Improves Cognition Function in the Patients with Obesity: A Meta-Analysis. Obesity Surgery, 2024, 34, 1004-1017.	1.1	0
1454	Role of fibroblast growth factor-23 in pre-diabetes patients. AIP Conference Proceedings, 2024, , .	0.3	0
1472	Review article: Pathogenesis of MASLD and MASH – role of insulin resistance and lipotoxicity. Alimentary Pharmacology and Therapeutics, 0, , .	1.9	0
1501	The Application of 4-Hexylresorcinol for Preventing Diabetic Complications. , 2024, , 135-162.		0