

A PGC1-Î±-dependent myokine that drives brown-fat-like thermogenesis

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Citation Report

#	ARTICLE	IF	CITATIONS
1	IV.â€”INCOHERENCE OF EMPIRICAL PHILOSOPHY. <i>Mind</i> , 1882, os-VII, 533-543.	0.2	1
2	The physiological regulation of glucose flux into muscle<i>in vivo</i>. <i>Journal of Experimental Biology</i> , 2011, 214, 254-262.	0.8	128
3	Peri-adipocyte ECM remodeling in obesity and adipose tissue fibrosis. <i>Adipocyte</i> , 2012, 1, 89-95.	1.3	77
4	Adipose tissue development during early life: novel insights into energy balance from small and large mammals. <i>Proceedings of the Nutrition Society</i> , 2012, 71, 363-370.	0.4	40
5	Adipose Tissue Biology and Cardiomyopathy. <i>Circulation Research</i> , 2012, 111, 1565-1577.	2.0	70
7	Brown adipose tissue and the regulation of nonshivering thermogenesis. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2012, 15, 547-552.	1.3	39
8	Brown adipose tissue. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2012, 15, 521-522.	1.3	1
9	Muscle-to-organ cross talk mediated by myokines. <i>Adipocyte</i> , 2012, 1, 164-167.	1.3	112
10	Searching for ways to switch on brown fat: are we getting warmer?. <i>Journal of Molecular Endocrinology</i> , 2012, 49, R79-R87.	1.1	15
11	Fat News: A Novel ActRIIB Decoy Receptor in the BAT-tle for Obesity. <i>Endocrinology</i> , 2012, 153, 2939-2941.	1.4	3
12	Regulation of tissue crosstalk by skeletal muscle-derived myonectin and other myokines. <i>Adipocyte</i> , 2012, 1, 200-202.	1.3	53
13	The Skeletal Muscleâ€”Metabolism Axis in Prostate-Cancer Therapy. <i>New England Journal of Medicine</i> , 2012, 367, 2257-2258.	13.9	10
14	Targeting the Skeletal Muscleâ€”Metabolism Axis in Prostate-Cancer Therapy. <i>New England Journal of Medicine</i> , 2012, 367, 965-967.	13.9	44
15	The effects of early under-nutrition on the development of wBAT and obesity. <i>Adipocyte</i> , 2012, 1, 265-270.	1.3	2
16	The Intersection Between Aging and Cardiovascular Disease. <i>Circulation Research</i> , 2012, 110, 1097-1108.	2.0	980
17	Notable advances 2012. <i>Nature Medicine</i> , 2012, 18, 1732-1734.	15.2	0
18	Therapeutic value of brown adipose tissue. <i>Adipocyte</i> , 2012, 1, 250-255.	1.3	7
19	Expression of the Irisin Precursor FNDC5 in Skeletal Muscle Correlates With Aerobic Exercise Performance in Patients With Heart Failure. <i>Circulation: Heart Failure</i> , 2012, 5, 812-818.	1.6	170

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20	Physical Activity and Inflammatory Markers Over 10 Years. <i>Circulation</i> , 2012, 126, 928-933.	1.6	213
21	Human BAT Possesses Molecular Signatures That Resemble Beige/Brite Cells. <i>PLoS ONE</i> , 2012, 7, e49452.	1.1	541
22	Physical Activity, Health Benefits, and Mortality Risk. <i>ISRN Cardiology</i> , 2012, 2012, 1-14.	1.6	166
23	New Therapeutic Targets for Obesity Treatment in Basic Medical Science. <i>The Korean Journal of Obesity</i> , 2012, 21, 125.	0.2	1
24	The Secret Life of Fat Suggests New Therapeutic Targets. <i>Circulation Research</i> , 2012, 110, 1049-1051.	2.0	1
25	Is exercise physiology a real science?. <i>Medical Writing</i> , 2012, 21, 284-287.	0.0	0
26	Exercise and diet affect quantitative trait loci for body weight and composition traits in an advanced intercross population of mice. <i>Physiological Genomics</i> , 2012, 44, 1141-1153.	1.0	11
27	Boström et al. reply. <i>Nature</i> , 2012, 488, E10-E11.	13.7	14
28	The neurobiology of food intake in an obesogenic environment. <i>Proceedings of the Nutrition Society</i> , 2012, 71, 478-487.	0.4	232
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30	Divergent skeletal muscle respiratory capacities in rats artificially selected for high and low running ability: a role for Nor1?. <i>Journal of Applied Physiology</i> , 2012, 113, 1403-1412.	1.2	37
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32	Year in Diabetes 2012: The Diabetes Tsunami. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, 4293-4301.	1.8	72
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36	Adipose tissue: friend or foe?. <i>Nature Reviews Cardiology</i> , 2012, 9, 689-702.	6.1	108
37	Bimodal impact of skeletal muscle on pancreatic β -cell function in health and disease. <i>Diabetes, Obesity and Metabolism</i> , 2012, 14, 78-84.	2.2	24
38	Inhibiting Adipose Tissue Lipogenesis Reprograms Thermogenesis and PPAR γ Activation to Decrease Diet-Induced Obesity. <i>Cell Metabolism</i> , 2012, 16, 189-201.	7.2	205

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40	Autophagy, signaling and obesity. <i>Pharmacological Research</i> , 2012, 66, 513-525.	3.1	63
42	Brown Remodeling of White Adipose Tissue by SirT1-Dependent Deacetylation of Ppar α . <i>Cell</i> , 2012, 150, 620-632.	13.5	664
43	Muscle tissue as an endocrine organ: Comparative secretome profiling of slow-oxidative and fast-glycolytic rat muscle explants and its variation with exercise. <i>Journal of Proteomics</i> , 2012, 75, 5414-5425.	1.2	44
44	Regulatory fog lifts on obesity drugs. <i>Nature Biotechnology</i> , 2012, 30, 810-811.	9.4	3
45	From white to brown fat through the PGC-1 α -dependent myokine irisin: implications for diabetes and obesity. <i>DMM Disease Models and Mechanisms</i> , 2012, 5, 293-295.	1.2	127
46	Limitations in anti-obesity drug development: the critical role of hunger-promoting neurons. <i>Nature Reviews Drug Discovery</i> , 2012, 11, 675-691.	21.5	174
47	Mitochondria: In Sickness and in Health. <i>Cell</i> , 2012, 148, 1145-1159.	13.5	2,411
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50	More Than Just an Engine. <i>Circulation Research</i> , 2012, 111, 513-515.	2.0	6
51	Irisin, Light My Fire. <i>Science</i> , 2012, 336, 42-43.	6.0	113
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58	Brown Fat Develops a <i> Future. <i>Obesity Facts</i> , 2012, 5, 890-896.	1.6	21
59	The adipose organ: white–brown adipocyte plasticity and metabolic inflammation. <i>Obesity Reviews</i> , 2012, 13, 83-96.	3.1	146
60	Conjugated linoleic acid or omega 3 fatty acids increase mitochondrial biosynthesis and metabolism in skeletal muscle cells. <i>Lipids in Health and Disease</i> , 2012, 11, 142.	1.2	91
61	Can Exercise Teach Us How to Treat Heart Disease?. <i>Circulation</i> , 2012, 126, 2625-2635.	1.6	92
62	Outstanding Scientific Achievement Award Lecture 2011: Defeating Diabetes. <i>Diabetes</i> , 2012, 61, 1309-1314.	0.3	33
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69	The adipose organ at a glance. <i>DMM Disease Models and Mechanisms</i> , 2012, 5, 588-594.	1.2	291
70	Adipose Tissue, Hormones, and Treatment of Type 1 Diabetes. <i>Current Diabetes Reports</i> , 2012, 12, 542-550.	1.7	8
71	'Good Faith', 'Abuse of Process' and the Initiation of Investment Treaty Claims. <i>Journal of International Dispute Settlement</i> , 2012, 3, 609-636.	0.2	16
72	Syndromic Insulin Resistance: Models for the Therapeutic Basis of the Metabolic Syndrome and Other Targets of Insulin Resistance. <i>Endocrine Practice</i> , 2012, 18, 763-771.	1.1	9
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74	Heat from calcium cycling melts fat. <i>Nature Medicine</i> , 2012, 18, 1458-1459.	15.2	12
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77	In Vivo Screening for Secreted Proteins That Modulate Glucose Handling Identifies Interleukin-6 Family Members as Potent Hypoglycemic Agents. <i>PLoS ONE</i> , 2012, 7, e44600.	1.1	2
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80	Nonalcoholic Fatty Liver Disease: A Pathological View. , 0, , .		5
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94	Saturated fatty acid palmitate-induced insulin resistance is accompanied with myotube loss and the impaired expression of health benefit myokine genes in C2C12 myotubes. <i>Lipids in Health and Disease</i> , 2013, 12, 104.	1.2	88

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96	IL-15 Overexpression Promotes Endurance, Oxidative Energy Metabolism, and Muscle PPAR α , SIRT1, PGC-1 α , and PGC-1 β Expression in Male Mice. <i>Endocrinology</i> , 2013, 154, 232-245.	1.4	84
97	Exercise training does not increase muscle FNDC5 protein or mRNA expression in pigs. <i>Metabolism: Clinical and Experimental</i> , 2013, 62, 1503-1511.	1.5	40
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129	Mechanisms governing the health and performance benefits of exercise. <i>British Journal of Pharmacology</i> , 2013, 170, 1153-1166.	2.7	27
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151	Elevated skeletal muscle irisin precursor FNDC5 mRNA in obese OLETF rats. <i>Metabolism: Clinical and Experimental</i> , 2013, 62, 1052-1056.	1.5	69
152	Brown-fat paucity due to impaired BMP signalling induces compensatory browning of white fat. <i>Nature</i> , 2013, 495, 379-383.	13.7	338
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164	Mitochondrial Fatty Acid Oxidation in Obesity. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 269-284.	2.5	175
165	Pharmacological strategies for targeting BAT thermogenesis. <i>Trends in Pharmacological Sciences</i> , 2013, 34, 347-355.	4.0	65
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169	Pharmacological and nutritional agents promoting browning of white adipose tissue. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013, 1831, 969-985.	1.2	225
170	Stimulation of mitochondrial oxidative capacity in white fat independent of UCP1: A key to lean phenotype. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013, 1831, 986-1003.	1.2	125
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479	Maternal serum and fetal cord blood irisin levels in gestational diabetes mellitus. <i>Diabetes Research and Clinical Practice</i> , 2014, 104, 171-175.	1.1	61
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494	Regulation of obesity and insulin resistance by nitric oxide. <i>Free Radical Biology and Medicine</i> , 2014, 73, 383-399.	1.3	198
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#	ARTICLE	IF	CITATIONS
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1093	Growth Hormone Treatment Increases Plasma Irisin Concentration in Patients with Turner Syndrome. <i>Hormone and Metabolic Research</i> , 2017, 49, 122-128.	0.7	8
1094	The role of adipose tissue in cancer-associated cachexia. <i>Experimental Biology and Medicine</i> , 2017, 242, 473-481.	1.1	57
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#	ARTICLE	IF	CITATIONS
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1105	Muscle-derived extracellular superoxide dismutase inhibits endothelial activation and protects against multiple organ dysfunction syndrome in mice. <i>Free Radical Biology and Medicine</i> , 2017, 113, 212-223.	1.3	20
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1108	Effects of delivery on maternal & neonatal irisin levels in normal and preeclamptic pregnant women. <i>Pregnancy Hypertension</i> , 2017, 10, 226-229.	0.6	9
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1113	Brown and Beige Adipose Tissues in Health and Disease. , 2017, 7, 1281-1306.		127
1114	Gene Location, Expression, and Function of FNDC5 in Meishan Pigs. <i>Scientific Reports</i> , 2017, 7, 7886.	1.6	10
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1116	Critical review of beige adipocyte thermogenic activation and contribution to whole-body energy expenditure. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2017, 31, .	0.3	19
1117	Endocrine and autocrine/paracrine modulators of brown adipose tissue mass and activity as novel therapeutic strategies against obesity and type 2 diabetes. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2017, 31, .	0.3	7
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1124	Potential Causes of Elevated REE after High-Intensity Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 2414-2421.	0.2	26
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1126	Human brown adipose tissue as a target for obesity management; beyond cold-induced thermogenesis. <i>Obesity Reviews</i> , 2017, 18, 1227-1242.	3.1	69
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1128	Energy metabolism and whole-exome sequencing-based analysis of Sasang constitution: a pilot study. <i>Integrative Medicine Research</i> , 2017, 6, 165-178.	0.7	4
1129	Irisin – A potential contributor of insulin resistance in kidney failure. <i>European Journal of Internal Medicine</i> , 2017, 44, e22-e23.	1.0	3
1130	A polyphenolic extract from green tea leaves activates fat browning in high-fat-diet-induced obese mice. <i>Journal of Nutritional Biochemistry</i> , 2017, 49, 15-21.	1.9	64
1131	Interleukin-15 in obesity and metabolic dysfunction: current understanding and future perspectives. <i>Obesity Reviews</i> , 2017, 18, 1147-1158.	3.1	33
1132	HDAC3 is a molecular brake of the metabolic switch supporting white adipose tissue browning. <i>Nature Communications</i> , 2017, 8, 93.	5.8	68
1133	Irisin and Testosterone in Men with Metabolic Syndrome. <i>Hormone and Metabolic Research</i> , 2017, 49, 755-759.	0.7	14
1134	Muscle–bone interactions: movement in the field of mechano–humoral coupling of muscle and bone. <i>Annals of the New York Academy of Sciences</i> , 2017, 1402, 10-17.	1.8	22
1135	La tormentosa relación entre las grasas y el desarrollo de la diabetes mellitus tipo 2: actualizado. Parte 2. <i>Revista Argentina De Endocrinología Y Metabolismo</i> , 2017, 54, 184-195.	0.0	0
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1137	Sarcopenia in hiding: The risk and consequence of underestimating muscle dysfunction in nonalcoholic steatohepatitis. <i>Hepatology</i> , 2017, 66, 2055-2065.	3.6	196
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1141	Irisin protects mitochondria function during pulmonary ischemia/reperfusion injury. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	139
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1297	Detection and quantitation of irisin in human cerebrospinal fluid by tandem mass spectrometry. <i>Peptides</i> , 2018, 103, 60-64.	1.2	44
1298	Maternal and neonatal irisin precursor gene FNDC5 polymorphism is associated with preterm birth. <i>Gene</i> , 2018, 649, 58-62.	1.0	13
1299	Molecular dynamics simulation and steered molecular dynamics simulation on irisin dimers. <i>Journal of Molecular Modeling</i> , 2018, 24, 95.	0.8	8
1300	The association between irisin levels, element distribution and oxidative stress markers in adolescent swimmers. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2018, 34, .	0.3	2
1301	Exercise-induced adaptations to white and brown adipose tissue. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	86

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1302	CDK6 inhibits white to beige fat transition by suppressing RUNX1. <i>Nature Communications</i> , 2018, 9, 1023.	5.8	58
1303	Skeletal muscle O-GlcNAc transferase is important for muscle energy homeostasis and whole-body insulin sensitivity. <i>Molecular Metabolism</i> , 2018, 11, 160-177.	3.0	60
1304	Effect of an acute exercise bout on immediate post-exercise irisin concentration in adults: A meta-analysis. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 16-28.	1.3	104
1305	Low serum concentrations of Irisin are associated with increased risk of hip fracture in Chinese older women. <i>Joint Bone Spine</i> , 2018, 85, 353-358.	0.8	39
1306	Molecular bases of the crosstalk between bone and muscle. <i>Bone</i> , 2018, 115, 43-49.	1.4	77
1307	On the Run for Hippocampal Plasticity. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2018, 8, a029736.	2.9	120
1308	Health Benefits of Exercise. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2018, 8, a029694.	2.9	300
1309	Muscle-Adipose Tissue Cross Talk. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2018, 8, a029801.	2.9	80
1310	Exosomes as Mediators of the Systemic Adaptations to Endurance Exercise. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2018, 8, a029827.	2.9	136
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1313	Effects of Irisin and Exercise on Metabolic Parameters and Reproductive Hormone Levels in High-Fat Diet-Induced Obese Female Mice. <i>Reproductive Sciences</i> , 2018, 25, 281-291.	1.1	27
1314	Short photoperiod reverses obesity in Siberian hamsters via sympathetically induced lipolysis and Browning in adipose tissue. <i>Physiology and Behavior</i> , 2018, 190, 11-20.	1.0	26
1315	The brown-fat-secreted adipokine neuregulin 4 is decreased in gestational diabetes mellitus. <i>Diabetes and Metabolism</i> , 2018, 44, 150-154.	1.4	25
1316	TRPV4 is involved in irisin-induced endothelium-dependent vasodilation. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 41-45.	1.0	26
1317	Treatment with long acting muscarinic antagonists stimulates serum levels of irisin in patients with COPD. <i>Pulmonary Pharmacology and Therapeutics</i> , 2018, 48, 111-116.	1.1	4
1318	Higher circulating irisin levels in patients with polycystic ovary syndrome:a meta-analysis. <i>Gynecological Endocrinology</i> , 2018, 34, 290-293.	0.7	15
1319	Repairing Mitochondrial Dysfunction in Disease. <i>Annual Review of Pharmacology and Toxicology</i> , 2018, 58, 353-389.	4.2	198

#	ARTICLE	IF	CITATIONS
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1324	Mental Training Enhances Cognitive Function and BDNF More Than Either Physical or Combined Training in Elderly Women With MCI: A Small-Scale Study. <i>American Journal of Alzheimer's Disease and Other Dementias</i> , 2018, 33, 20-29.	0.9	70
1325	Irisin protects macrophages from oxidized low density lipoprotein-induced apoptosis by inhibiting the endoplasmic reticulum stress pathway. <i>Saudi Journal of Biological Sciences</i> , 2018, 25, 849-857.	1.8	22
1326	Does iris(in) bring bad news or good news?. <i>Eating and Weight Disorders</i> , 2018, 23, 431-442.	1.2	17
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1328	Foxc2 coordinates inflammation and browning of white adipose by leptin-STAT3-PRDM16 signal in mice. <i>International Journal of Obesity</i> , 2018, 42, 252-259.	1.6	43
1329	Serum Irisin levels as a marker in some phenotypes of PCOS. <i>Middle East Fertility Society Journal</i> , 2018, 23, 112-116.	0.5	3
1330	Uncoupling Exercise Bioenergetics From Systemic Metabolic Homeostasis by Conditional Inactivation of Baf60 in Skeletal Muscle. <i>Diabetes</i> , 2018, 67, 85-97.	0.3	14
1331	Irisin in metabolic diseases. <i>Endocrine</i> , 2018, 59, 260-274.	1.1	178
1332	Antiobesity effect of <i>Lactobacillus reuteri</i> 263 associated with energy metabolism remodeling of white adipose tissue in high-energy-diet-fed rats. <i>Journal of Nutritional Biochemistry</i> , 2018, 54, 87-94.	1.9	58
1333	Both hypothyroidism and hyperthyroidism increase plasma irisin levels in rats. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2018, 33, .	0.3	10
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1336	Fndc5 knockdown induced suppression of mitochondrial integrity and significantly decreased cardiac differentiation of mouse embryonic stem cells. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 4528-4539.	1.2	15
1337	Biology and pathological implications of brown adipose tissue: promises and caveats for the control of obesity and its associated complications. <i>Biological Reviews</i> , 2018, 93, 1145-1164.	4.7	16

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1339	Association between long sleep duration and increased risk of obesity and type 2 diabetes: A review of possible mechanisms. <i>Sleep Medicine Reviews</i> , 2018, 40, 127-134.	3.8	113
1340	No evidence of white adipocyte browning after endurance exercise training in obese men. <i>International Journal of Obesity</i> , 2018, 42, 721-727.	1.6	58
1341	Role of arsenic exposure in adipose tissue dysfunction and its possible implication in diabetes pathophysiology. <i>Toxicology Letters</i> , 2018, 284, 86-95.	0.4	38
1342	The association between irisin and muscle metabolism in different thyroid disorders. <i>Clinical Endocrinology</i> , 2018, 88, 460-467.	1.2	21
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1345	Changes in liver function and body composition by direct-acting antiviral therapy for hepatitis C virus infection. <i>Hepatology Research</i> , 2018, 48, 337-344.	1.8	28
1346	Exercise-induced "browning" of adipose tissues. <i>Metabolism: Clinical and Experimental</i> , 2018, 81, 63-70.	1.5	125
1347	The clinical potential of adipogenesis and obesity-related microRNAs. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2018, 28, 91-111.	1.1	69
1348	Is irisin the new player in exercise-induced adaptations or not? A 2017 update. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018, 56, 525-548.	1.4	65
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1351	Fat Grafting Can Induce Browning of White Adipose Tissue. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2018, 6, e1804.	0.3	14
1352	EET Intervention on HO-1 Prevent Obesity Derived Cardiovascular Diseases. <i>Journal of Biomolecular Research & Therapeutics</i> , 2018, 07, .	0.2	1
1353	Adipose Organ Development and Remodeling. , 2018, 8, 1357-1431.		127
1354	Translational Pharmacology and Physiology of Brown Adipose Tissue in Human Disease and Treatment. <i>Handbook of Experimental Pharmacology</i> , 2018, 251, 381-424.	0.9	17
1355	The Effects of Exercise Regimens on Irisin Levels in Obese Rats Model: Comparing High-Intensity Intermittent with Continuous Moderate-Intensity Training. <i>BioMed Research International</i> , 2018, 2018, 1-7.	0.9	24

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1357	Exploiting Significance of Physical Exercise in Prevention of Gastrointestinal Disorders. <i>Current Pharmaceutical Design</i> , 2018, 24, 1916-1925.	0.9	18
1358	The association between sarcopenia and decorin, an exercise-induced myokine, in patients with liver cirrhosis: a pilot study. <i>JCSM Rapid Communications</i> , 2018, 1, 1-10.	0.6	8
1359	Irisin a Novel Metabolic Biomarker: Present Knowledge and Future Directions. <i>International Journal of Endocrinology</i> , 2018, 2018, 1-8.	0.6	67
1360	Serum sclerostin and irisin as predictive markers for atherosclerosis in Egyptian type II diabetic female patients: A case control study. <i>PLoS ONE</i> , 2018, 13, e0206761.	1.1	27
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1362	Brown adipose tissue as a heat-producing thermoeffector. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2018, 156, 137-152.	1.0	65
1363	Relationship of Circulating Irisin with Body Composition, Physical Activity, and Cardiovascular and Metabolic Disorders in the Pediatric Population. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3727.	1.8	30
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1366	Hormonal responses following eccentric exercise in humans. <i>Hormones</i> , 2018, 16, 405-413.	0.9	16
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1379	INDUCTION OF BROWN ADIPOSE TISSUE: A REVIEW. <i>Asian Journal of Pharmaceutical and Clinical Research</i> , 2018, 11, 472.	0.3	0
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1381	Dynamic of lipid droplets and gene expression in response to β -aminoisobutyric acid treatment on 3T3-L1 cells. <i>European Journal of Histochemistry</i> , 2018, 62, .	0.6	18
1382	Acute Anaerobic Exercise Affects the Secretion of Asprosin, Irisin, and Other Cytokines – A Comparison Between Sexes. <i>Frontiers in Physiology</i> , 2018, 9, 1782.	1.3	56
1384	Plasma Irisin Levels in Subjects with Type 1 Diabetes: Comparison with Healthy Controls. <i>Hormone and Metabolic Research</i> , 2018, 50, 803-810.	0.7	14
1385	Inflammation in human adipose tissues – “Shades of gray, rather than white and brown. <i>Cytokine and Growth Factor Reviews</i> , 2018, 44, 28-37.	3.2	16
1386	The protective effect of Irisin against ischemia-reperfusion injury after perforator flap grafting in rats. <i>Injury</i> , 2018, 49, 2147-2153.	0.7	18
1387	The Diagnostic Value of Irisin in Pediatric Patients with Acute Abdominal Pain. <i>Emergency Medicine International</i> , 2018, 2018, 1-6.	0.3	6
1388	The response of meteorin-like hormone and interleukin-4 in overweight women during exercise in temperate, warm and cold water. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2018, 36, .	0.3	13
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1394	Inflammation and Oxidative Stress in Adipose Tissue. , 2018, , 63-92.		6
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1397	Association of Computed Tomographic Leg Muscle Characteristics With Lower Limb and Cardiovascular Events in Patients With Peripheral Artery Disease. <i>Journal of the American Heart Association</i> , 2018, 7, e009943.	1.6	18
1398	The role of exercise-induced myokines in regulating metabolism. <i>Archives of Pharmacal Research</i> , 2018, 41, 14-29.	2.7	175
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1400	Serum irisin is upregulated in patients affected by amyotrophic lateral sclerosis and correlates with functional and metabolic status. <i>Journal of Neurology</i> , 2018, 265, 3001-3008.	1.8	20
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1406	Effect of Exercise Training on Metabolic Homeostasis and Some Hemodynamics (Some Hepatic and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Therapy, 2018, 08, .	0.1	0
1407	Neonatal tobacco smoke reduces thermogenesis capacity in brown adipose tissue in adult rats. <i>Brazilian Journal of Medical and Biological Research</i> , 2018, 51, e6982.	0.7	8
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1413	Adipose mTORC1 Suppresses Prostaglandin Signaling and Beige Adipogenesis via the CRTC2-COX-2 Pathway. <i>Cell Reports</i> , 2018, 24, 3180-3193.	2.9	59
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1416	Adipose Tissue and Modulation of Hypertension. <i>Current Hypertension Reports</i> , 2018, 20, 96.	1.5	14
1417	The Importance of Biophysical and Biochemical Stimuli in Dynamic Skeletal Muscle Models. <i>Frontiers in Physiology</i> , 2018, 9, 1130.	1.3	40
1418	Exercise training-induced effects on the abdominal subcutaneous adipose tissue phenotype in humans with obesity. <i>Journal of Applied Physiology</i> , 2018, 125, 1585-1593.	1.2	52
1419	Clinical Impact of Circulating Irisin on Classified Coronary Plaque Characteristics. <i>Journal of Applied Laboratory Medicine</i> , The, 2018, 3, 79-88.	0.6	4
1420	Central galanin receptor 2 mediates galanin action to promote systemic glucose metabolism of type 2 diabetic rats. <i>Biochemical Pharmacology</i> , 2018, 156, 241-247.	2.0	20
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1422	The association between circulating irisin levels and different phenotypes of polycystic ovary syndrome. <i>Journal of Endocrinological Investigation</i> , 2018, 41, 1401-1407.	1.8	25
1423	Fibronectin Type III Domain Containing 4 attenuates hyperlipidemia-induced insulin resistance via suppression of inflammation and ER stress through HO-1 expression in adipocytes. <i>Biochemical and Biophysical Research Communications</i> , 2018, 502, 129-136.	1.0	21
1424	Derivation and characterization of a UCP1 reporter human ES cell line. <i>Stem Cell Research</i> , 2018, 30, 12-21.	0.3	5
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1427	Physical training improves thermogenesis and insulin pathway, and induces remodeling in white and brown adipose tissues. <i>Journal of Physiology and Biochemistry</i> , 2018, 74, 441-454.	1.3	19
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1433	Spectral Unmixing Imaging for Differentiating Brown Adipose Tissue Mass and Its Activation. <i>Contrast Media and Molecular Imaging</i> , 2018, 2018, 1-7.	0.4	4
1434	iTRAQ and PRM-based quantitative proteomics in T2DM-susceptible and -tolerant models of Bama mini-pig. <i>Gene</i> , 2018, 675, 119-127.	1.0	10
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1438	Exercise Training as Therapy for Cancer-Induced Cardiac Cachexia. <i>Trends in Molecular Medicine</i> , 2018, 24, 709-727.	3.5	27
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1441	Association of Markers of Proinflammatory Phenotype and Beige Adipogenesis with Metabolic Syndrome in Chinese Centrally Obese Adults. <i>Journal of Diabetes Research</i> , 2018, 2018, 1-7.	1.0	10
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1443	Inflammation-induced lymphatic architecture and bone turnover changes are ameliorated by irisin treatment in chronic inflammatory bowel disease. <i>FASEB Journal</i> , 2018, 32, 4848-4861.	0.2	52
1444	Muscle hypertrophy following blood flow-restricted, low-force isometric electrical stimulation in rat tibialis anterior: role for muscle hypoxia. <i>Journal of Applied Physiology</i> , 2018, 125, 134-145.	1.2	17
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1527	FNDC5 inhibits foam cell formation and monocyte adhesion in vascular smooth muscle cells via suppressing NF κ B-mediated NLRP3 upregulation. <i>Vascular Pharmacology</i> , 2019, 121, 106579.	1.0	29
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1532	The role of brown and beige adipose tissue in glycaemic control. <i>Molecular Aspects of Medicine</i> , 2019, 68, 90-100.	2.7	33
1533	Functional Inactivation of Mast Cells Enhances Subcutaneous Adipose Tissue Browning in Mice. <i>Cell Reports</i> , 2019, 28, 792-803.e4.	2.9	45
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1536	Myricanol modulates skeletal muscle“adipose tissue crosstalk to alleviate high“fat diet“induced obesity and insulin resistance. <i>British Journal of Pharmacology</i> , 2019, 176, 3983-4001.	2.7	43
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1550	Expression of Irisin/FNDC5 in Cancer Cells and Stromal Fibroblasts of Non-small Cell Lung Cancer. <i>Cancers</i> , 2019, 11, 1538.	1.7	27
1551	Musclin, A Myokine Induced by Aerobic Exercise, Retards Muscle Atrophy During Cancer Cachexia in Mice. <i>Cancers</i> , 2019, 11, 1541.	1.7	45
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1554	The Role of Adipose Tissue Mitochondria: Regulation of Mitochondrial Function for the Treatment of Metabolic Diseases. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4924.	1.8	159
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1557	Cold Induced Depot-Specific Browning in Ferret Aortic Perivascular Adipose Tissue. <i>Frontiers in Physiology</i> , 2019, 10, 1171.	1.3	6
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1561	Adipocyte Hypoxia-Inducible Factor 2 α Suppresses Atherosclerosis by Promoting Adipose Ceramide Catabolism. <i>Cell Metabolism</i> , 2019, 30, 937-951.e5.	7.2	89
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1572	Roles of myokines in exercise-induced improvement of neuropsychiatric function. <i>Pflugers Archiv European Journal of Physiology</i> , 2019, 471, 491-505.	1.3	95
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1575	Irisin as a Multifunctional Protein: Implications for Health and Certain Diseases. <i>Medicina (Lithuania)</i> , 2019, 55, 485.	0.8	90
1576	Effect of resveratrol on adipokines and myokines involved in fat browning: Perspectives in healthy weight against obesity. <i>Pharmacological Research</i> , 2019, 148, 104411.	3.1	39
1577	Irisin Exerts Inhibitory Effect on Adipogenesis Through Regulation of Wnt Signaling. <i>Frontiers in Physiology</i> , 2019, 10, 1085.	1.3	37
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1579	Association of irisin hormone with some physiological and inflammatory parameters of type 1 diabetic mellitus (T1DM) patients in Thi-Qar province, Iraq. <i>Journal of Physics: Conference Series</i> , 2019, 1279, 012011.	0.3	0
1580	Associations of Circulating Irisin Concentrations With Cardiometabolic Risk Factors Among Children Vary by Physical Activity or Sedentary Time Levels. <i>Frontiers in Endocrinology</i> , 2019, 10, 549.	1.5	7
1581	Maximizing Longevity and Healthspan: Multiple Approaches All Converging on Autophagy. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 183.	1.8	28
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1593	Recombinant irisin induces weight loss in high fat DIO mice through increase in energy consumption and thermogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2019, 519, 422-429.	1.0	13
1594	Association of Irisin Serum Concentration and Muscle Strength in Normal-Weight and Overweight Young Women. <i>Frontiers in Endocrinology</i> , 2019, 10, 621.	1.5	8
1595	Alpha lipoic acid protects against dexamethasone-induced metabolic abnormalities via APPL1 and PGC-1 \uparrow regulation. <i>Steroids</i> , 2019, 144, 1-7.	0.8	9
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1599	Supervised Short-term High-intensity Training on Plasma Irisin Concentrations in Type 2 Diabetic Patients. <i>International Journal of Sports Medicine</i> , 2019, 40, 158-164.	0.8	25
1600	Circulating Irisin Levels in Children With GH Deficiency Before and After 1 Year of GH Treatment. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 801-808.	1.8	9
1601	Fibroblast Growth Factor 21 and Browning of White Adipose Tissue. <i>Frontiers in Physiology</i> , 2019, 10, 37.	1.3	99
1602	Adipocyte Mineralocorticoid Receptor. <i>Vitamins and Hormones</i> , 2019, 109, 189-209.	0.7	11
1603	Strength training and aerobic exercise alter mitochondrial parameters in brown adipose tissue and equally reduce body adiposity in aged rats. <i>Journal of Physiology and Biochemistry</i> , 2019, 75, 101-108.	1.3	21
1604	The effects of both age and sex on irisin levels in paired plasma and cerebrospinal fluid in healthy humans. <i>Peptides</i> , 2019, 113, 41-51.	1.2	45
1605	Exercise Training Induces Depot-Specific Adaptations to White and Brown Adipose Tissue. <i>IScience</i> , 2019, 11, 425-439.	1.9	91
1606	Irisin interaction with adipose tissue secretions by exercise training and flaxseed oil supplement. <i>Lipids in Health and Disease</i> , 2019, 18, 15.	1.2	18
1607	Circulating irisin levels in heart failure with preserved or reduced ejection fraction: A pilot study. <i>PLoS ONE</i> , 2019, 14, e0210320.	1.1	30
1608	Effect of Exercise on Fatty Acid Metabolism and Adipokine Secretion in Adipose Tissue. <i>Frontiers in Physiology</i> , 2019, 10, 26.	1.3	96
1609	Metformin-induced autophagy and irisin improves INS β cell function and survival in high-glucose environment via AMPK/SIRT1/PGC α 1 \uparrow signal pathway. <i>Food Science and Nutrition</i> , 2019, 7, 1695-1703.	1.5	57

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1611	Current advances in our understanding of exercise as medicine in metabolic disease. <i>Current Opinion in Physiology</i> , 2019, 12, 12-19.	0.9	41
1612	Effect of Metformin Treatment on Insulin Resistance Markers, and Circulating Irisin in Women with Polycystic Ovarian Syndrome (PCOS). <i>Hormone and Metabolic Research</i> , 2019, 51, 575-579.	0.7	10
1613	Serum Irisin, Adropin, and Preptin in Obese Patients 6 Months After Bariatric Surgery. <i>Obesity Surgery</i> , 2019, 29, 3334-3341.	1.1	21
1614	Browning is activated in the subcutaneous white adipose tissue of mice metabolically challenged with a high-fructose diet submitted to high-intensity interval training. <i>Journal of Nutritional Biochemistry</i> , 2019, 70, 164-173.	1.9	7
1615	A Novel Interplay Between Irisin and PTH: From Basic Studies to Clinical Evidence in Hyperparathyroidism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 3088-3096.	1.8	41
1616	Taurine supplementation increases irisin levels after high intensity physical training in obese women. <i>Cytokine</i> , 2019, 123, 154741.	1.4	14
1617	The beneficial effects of brown adipose tissue transplantation. <i>Molecular Aspects of Medicine</i> , 2019, 68, 74-81.	2.7	75
1618	Electroacupuncture Reduces Body Weight by Regulating Fat Browning-Related Proteins of Adipose Tissue in HFD-Induced Obese Mice. <i>Frontiers in Psychiatry</i> , 2019, 10, 353.	1.3	14
1619	Could serum levels of irisin be used in gestational diabetes predicting?. <i>Taiwanese Journal of Obstetrics and Gynecology</i> , 2019, 58, 434-437.	0.5	10
1620	The Role of Myokines and Adipokines in Hypertension and Hypertension-related Complications. <i>Hypertension Research</i> , 2019, 42, 1544-1551.	1.5	25
1621	Physiological and pharmacological effects of melatonin on remote ischemic preconditioning after myocardial ischemia-reperfusion injury in rats: Role of Cybb, Fas, Nf κ B, Irisin signaling pathway. <i>Journal of Pineal Research</i> , 2019, 67, e12589.	3.4	36
1622	Sparc, an EPS-induced gene, modulates the extracellular matrix and mitochondrial function via ILK/AMPK pathways in C2C12 cells. <i>Life Sciences</i> , 2019, 229, 277-287.	2.0	28
1623	PGC-1 α induced browning promotes involution and inhibits lactation in mammary glands. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 5011-5025.	2.4	5
1624	Irisin Is Controlled by Farnesoid X Receptor and Regulates Cholesterol Homeostasis. <i>Frontiers in Pharmacology</i> , 2019, 10, 548.	1.6	23
1625	Irisin vs. Treadmill Exercise in Post Myocardial Infarction Cardiac Rehabilitation in Rats. <i>Archives of Medical Research</i> , 2019, 50, 44-54.	1.5	12
1626	Irisin Contributes to the Hepatoprotection of Dexmedetomidine during Intestinal Ischemia/Reperfusion. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-15.	1.9	36
1627	Quercetin Regulates the Integrated Stress Response to Improve Memory. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2761.	1.8	28

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1629	Irisin pretreatment ameliorates intestinal ischemia/reperfusion injury in mice through activation of the Nrf2 pathway. <i>International Immunopharmacology</i> , 2019, 73, 225-235.	1.7	34
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1631	Icariin induces irisin/FNDC5 expression in C2C12 cells via the AMPK pathway. <i>Biomedicine and Pharmacotherapy</i> , 2019, 115, 108930.	2.5	31
1632	Irisin exerts a therapeutic effect against myocardial infarction via promoting angiogenesis. <i>Acta Pharmacologica Sinica</i> , 2019, 40, 1314-1321.	2.8	58
1633	Ectopic brown adipose tissue formation within skeletal muscle after brown adipose progenitor cell transplant augments energy expenditure. <i>FASEB Journal</i> , 2019, 33, 8822-8835.	0.2	7
1634	Recent advances in the understanding and management of polycystic ovary syndrome. <i>F1000Research</i> , 2019, 8, 565.	0.8	63
1635	The influence of skeletal muscle on appetite regulation. <i>Expert Review of Endocrinology and Metabolism</i> , 2019, 14, 267-282.	1.2	26
1636	Eccentric resistance training and β^2 -Hydroxy- β^2 -methylbutyrate free acid affects muscle PGC-1 α expression and serum irisin, nesfatin-1 and resistin. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	14
1637	Beneficial Effect of Exercise on Cognitive Function during Peripheral Arterial Disease: Potential Involvement of Myokines and Microglial Anti-Inflammatory Phenotype Enhancement. <i>Journal of Clinical Medicine</i> , 2019, 8, 653.	1.0	10
1638	Neurodegenerative disease treatments by direct TNF reduction, SB623 cells, maraviroc and irisin and MCC950, from an inflammatory perspective - a Commentary. <i>Expert Review of Neurotherapeutics</i> , 2019, 19, 535-543.	1.4	13
1639	Irisin and Bone: From Preclinical Studies to the Evaluation of Its Circulating Levels in Different Populations of Human Subjects. <i>Cells</i> , 2019, 8, 451.	1.8	41
1640	Overview of the Cross-Talk Between Hormones and Mitochondria. , 2019, , 63-91.		0
1641	The serum level of irisin, but not asprosin, is abnormal in polycystic ovary syndrome patients. <i>Scientific Reports</i> , 2019, 9, 6447.	1.6	38
1642	Physical Exercise as Therapy for Type 2 Diabetes Mellitus: From Mechanism to Orientation. <i>Annals of Nutrition and Metabolism</i> , 2019, 74, 313-321.	1.0	80
1643	Serum and follicular fluid irisin levels in women with polycystic ovaries undergoing ovarian stimulation: correlation with insulin resistance and lipoprotein lipid profiles. <i>Gynecological Endocrinology</i> , 2019, 35, 803-806.	0.7	9
1644	Myonectin deletion promotes adipose fat storage and reduces liver steatosis. <i>FASEB Journal</i> , 2019, 33, 8666-8687.	0.2	54
1645	Role of Mitochondria in Adipose Tissues Metabolism and Plasticity. , 2019, , 173-194.		1

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1647	Exercise Rescues Gene Pathways Involved in Vascular Expansion and Promotes Functional Angiogenesis in Subcutaneous White Adipose Tissue. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2046.	1.8	17
1648	Genetic manipulations of autophagy regulate adipocyte differentiation and metabolism. <i>Current Opinion in Endocrine and Metabolic Research</i> , 2019, 5, 74-81.	0.6	1
1649	Exercise-induced myokine FNDC5/irisin functions in cardiovascular protection and intracerebral retrieval of synaptic plasticity. <i>Cell and Bioscience</i> , 2019, 9, 32.	2.1	26
1650	Differentiating SGBS adipocytes respond to PPAR β stimulation, irisin and BMP7 by functional browning and beige characteristics. <i>Scientific Reports</i> , 2019, 9, 5823.	1.6	36
1651	Resistance to visceral obesity is associated with increased locomotion in mice expressing an endothelial cell-specific fibroblast growth factor 1 transgene. <i>Physiological Reports</i> , 2019, 7, e14034.	0.7	4
1652	The Role of PGC-1 α /UCP2 Signaling in the Beneficial Effects of Physical Exercise on the Brain. <i>Frontiers in Neuroscience</i> , 2019, 13, 292.	1.4	48
1653	Intermittent fasting increases energy expenditure and promotes adipose tissue browning in mice. <i>Nutrition</i> , 2019, 66, 38-43.	1.1	38
1654	An Update on Anti-CD137 Antibodies in Immunotherapies for Cancer. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1822.	1.8	66
1655	Aerobic exercise training prevents obesity and insulin resistance independent of the renin angiotensin system modulation in the subcutaneous white adipose tissue. <i>PLoS ONE</i> , 2019, 14, e0215896.	1.1	19
1656	Changes to the Human Serum Proteome in Response to High Intensity Interval Exercise: A Sequential Top-Down Proteomic Analysis. <i>Frontiers in Physiology</i> , 2019, 10, 362.	1.3	21
1657	Targeting White Adipose Tissue with Exercise or Bariatric Surgery as Therapeutic Strategies in Obesity. <i>Biology</i> , 2019, 8, 16.	1.3	16
1658	Physical activity and muscle-brain crosstalk. <i>Nature Reviews Endocrinology</i> , 2019, 15, 383-392.	4.3	402
1659	Skeletal muscle as a protagonist in the pregnancy metabolic syndrome. <i>Medical Hypotheses</i> , 2019, 126, 26-37.	0.8	8
1660	A role for FNDC5/Irisin in the beneficial effects of exercise on the brain and in neurodegenerative diseases. <i>Progress in Cardiovascular Diseases</i> , 2019, 62, 172-178.	1.6	82
1661	Acute Postexercise Change in Circulating Irisin Is Related to More Favorable Lipid Profile in Pregnant Women Attending a Structured Exercise Program and to Less Favorable Lipid Profile in Controls: An Experimental Study with Two Groups. <i>International Journal of Endocrinology</i> , 2019, 2019, 1-11.	0.6	9
1662	Association of Circulating Irisin Concentrations with Weight Loss after Roux-en-Y Gastric Bypass Surgery. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 660.	1.2	8
1663	Beta-Aminoisobutyric Acid as a Novel Regulator of Carbohydrate and Lipid Metabolism. <i>Nutrients</i> , 2019, 11, 524.	1.7	89

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1665	Transcriptomic Analysis of Single Isolated Myofibers Identifies miR-27a-3p and miR-142-3p as Regulators of Metabolism in Skeletal Muscle. <i>Cell Reports</i> , 2019, 26, 3784-3797.e8.	2.9	55
1666	Immunostaining characteristics of irisin in benign and malignant renal cancers. <i>Biotechnic and Histochemistry</i> , 2019, 94, 435-441.	0.7	9
1667	CREG1 stimulates brown adipocyte formation and ameliorates diet-induced obesity in mice. <i>FASEB Journal</i> , 2019, 33, 8069-8082.	0.2	15
1668	Exercise-Induced Myokines With Therapeutic Potential for Muscle Wasting. <i>Frontiers in Physiology</i> , 2019, 10, 287.	1.3	90
1669	Role of myokines in the development of skeletal muscle insulin resistance and related metabolic defects in type 2 diabetes. <i>Diabetes and Metabolism</i> , 2019, 45, 505-516.	1.4	61
1670	Skeletal Muscle-specific PGC-1 α Overexpression Suppresses Atherosclerosis in Apolipoprotein E-Knockout Mice. <i>Scientific Reports</i> , 2019, 9, 4077.	1.6	28
1671	Increased irisin versus reduced fibroblast growth factor1 (FGF1) in relation to adiposity, atherogenicity and hematological indices in metabolic syndrome patients with and without prediabetes. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2019, 38, .	0.3	5
1672	Phytanic acid activates PPAR α to promote beige adipogenic differentiation of preadipocytes. <i>Journal of Nutritional Biochemistry</i> , 2019, 67, 201-211.	1.9	12
1673	Altered irisin/BDNF axis parallels excessive daytime sleepiness in obstructive sleep apnea patients. <i>Respiratory Research</i> , 2019, 20, 67.	1.4	11
1674	The molecular and cellular mechanisms of depression: a focus on reward circuitry. <i>Molecular Psychiatry</i> , 2019, 24, 1798-1815.	4.1	125
1675	Serum irisin level in myocardial infarction patients with or without heart failure. <i>Canadian Journal of Physiology and Pharmacology</i> , 2019, 97, 932-938.	0.7	30
1676	Muscle endocrinology and its relation with nutrition. <i>Aging Clinical and Experimental Research</i> , 2019, 31, 783-792.	1.4	18
1677	Fibroblast Growth Factor 21, Adiponectin, and Irisin as Markers of Unfavorable Metabolic Features in 12-Year-Old Children. <i>Journal of the Endocrine Society</i> , 2019, 3, 825-837.	0.1	6
1678	Changes in Myokines in Youths With Severe Obesity Following Roux-en-Y Gastric Bypass Surgery. <i>JAMA Surgery</i> , 2019, 154, 668.	2.2	8
1679	Boning Up on Irisin. <i>New England Journal of Medicine</i> , 2019, 380, 1480-1482.	13.9	18
1680	Exercise-Induced Irisin, the Fat Browning Myokine, as a Potential Anticancer Agent. <i>Journal of Obesity</i> , 2019, 2019, 1-8.	1.1	39
1681	<p></p>Comparison of irisin hormone expression between thyroid cancer tissues and oncocytic variant cells</p>. <i>Cancer Management and Research</i> , 2019, Volume 11, 2595-2603.	0.9	13

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1683	Genistein increases the thermogenic program of subcutaneous WAT and increases energy expenditure in mice. <i>Journal of Nutritional Biochemistry</i> , 2019, 68, 59-68.	1.9	35
1684	Association between Irisin, hs-CRP, and Metabolic Status in Children and Adolescents with Type 2 Diabetes Mellitus. <i>Mediators of Inflammation</i> , 2019, 2019, 1-13.	1.4	28
1685	Off the Clock: From Circadian Disruption to Metabolic Disease. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1597.	1.8	91
1686	FNDC5 attenuates obesity-induced cardiac hypertrophy by inactivating JAK2/STAT3-associated inflammation and oxidative stress. <i>Journal of Translational Medicine</i> , 2019, 17, 107.	1.8	53
1687	Irisin ameliorates angiotensin II-induced cardiomyocyte apoptosis through autophagy. <i>Journal of Cellular Physiology</i> , 2019, 234, 17578-17588.	2.0	42
1688	Effect of resveratrol on expression of genes involved thermogenesis in mice and humans. <i>Biomedicine and Pharmacotherapy</i> , 2019, 112, 108634.	2.5	42
1689	Are the neuroprotective effects of exercise training systemically mediated?. <i>Progress in Cardiovascular Diseases</i> , 2019, 62, 94-101.	1.6	76
1690	Genistein ameliorated obesity accompanied with adipose tissue browning and attenuation of hepatic lipogenesis in ovariectomized rats with high-fat diet. <i>Journal of Nutritional Biochemistry</i> , 2019, 67, 111-122.	1.9	57
1691	Serum irisin levels in polycystic ovary syndrome after ovarian drilling. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2019, 13, 1463-1468.	1.8	6
1692	Muscle cannabinoid 1 receptor regulates β -adrenergic and myostatin expression, governing physical performance and whole-body metabolism. <i>FASEB Journal</i> , 2019, 33, 5850-5863.	0.2	26
1693	Fndc5 loss of function attenuates exercise-induced browning of white adipose tissue in mice. <i>FASEB Journal</i> , 2019, 33, 5876-5886.	0.2	39
1694	Mechanisms Underlying Metabolic Syndrome-Related Sarcopenia and Possible Therapeutic Measures. <i>International Journal of Molecular Sciences</i> , 2019, 20, 647.	1.8	90
1695	Role of irisin in Chinese patients with hypothyroidism: an interventional study. <i>Journal of International Medical Research</i> , 2019, 47, 1592-1601.	0.4	8
1696	Brown and Brite: The Fat Soldiers in the Anti-obesity Fight. <i>Frontiers in Physiology</i> , 2019, 10, 38.	1.3	49
1697	Cold and Exercise: Therapeutic Tools to Activate Brown Adipose Tissue and Combat Obesity. <i>Biology</i> , 2019, 8, 9.	1.3	64
1698	Secreted MG53 From Striated Muscle Impairs Systemic Insulin Sensitivity. <i>Circulation</i> , 2019, 139, 915-917.	1.6	8
1699	Effects of running on adiponectin, insulin and cytokines in cerebrospinal fluid in healthy young individuals. <i>Scientific Reports</i> , 2019, 9, 15959.	1.6	22

#	ARTICLE	IF	CITATIONS
1700	Silver nanoparticles inhibit beige fat function and promote adiposity. <i>Molecular Metabolism</i> , 2019, 22, 1-11.	3.0	36
1701	Irisin level in type 2 diabetic patients and its relation to glycemic control and diabetic complications. <i>International Journal of Diabetes in Developing Countries</i> , 2019, 39, 641-646.	0.3	6
1702	MRI estimates of brown adipose tissue in children – Associations to adiposity, osteocalcin, and thigh muscle volume. <i>Magnetic Resonance Imaging</i> , 2019, 58, 135-142.	1.0	8
1703	TGF- β 2 is an exercise-induced adipokine that regulates glucose and fatty acid metabolism. <i>Nature Metabolism</i> , 2019, 1, 291-303.	5.1	128
1704	Impact of Lipotoxicity on Tissue –Cross Talk–and Metabolic Regulation. <i>Physiology</i> , 2019, 34, 134-149.	1.6	42
1705	The beneficial effects of physical exercise in the brain and related pathophysiological mechanisms in neurodegenerative diseases. <i>Laboratory Investigation</i> , 2019, 99, 943-957.	1.7	79
1706	A New Vision for Therapeutic Hypothermia in the Era of Targeted Temperature Management: A Speculative Synthesis. <i>Therapeutic Hypothermia and Temperature Management</i> , 2019, 9, 13-47.	0.3	55
1707	FND5/Irisin inhibits pathological cardiac hypertrophy. <i>Clinical Science</i> , 2019, 133, 611-627.	1.8	71
1708	Regulation of autophagy as a therapy for immunosenescence–driven cancer and neurodegenerative diseases: The role of exercise. <i>Journal of Cellular Physiology</i> , 2019, 234, 14883-14895.	2.0	20
1709	Voluntary wheel running in the late dark phase ameliorates diet-induced obesity in mice without altering insulin action. <i>Journal of Applied Physiology</i> , 2019, 126, 993-1005.	1.2	17
1710	Effect of single bout downhill running on the serum irisin concentrations in rats. <i>Growth Factors</i> , 2019, 37, 257-262.	0.5	6
1711	Association between Circulating Irisin and C-Reactive Protein Levels: A Systematic Review and Meta-Analysis. <i>Endocrinology and Metabolism</i> , 2019, 34, 140.	1.3	15
1712	Serum Irisin Predicts Posthepatectomy Complications in Patients with Hepatocellular Carcinoma. <i>Disease Markers</i> , 2019, 2019, 1-7.	0.6	11
1713	The influence of concurrent training intensity on serum irisin and abdominal fat in postmenopausal women. <i>Przegląd Menopauzalny</i> , 2019, 18, 166-173.	0.6	16
1714	Association between β -amino-isobutyric acid (BAIBA) and cardiometabolic risk factors. <i>Mediterranean Journal of Nutrition and Metabolism</i> , 2019, 12, 315-323.	0.2	0
1715	Browning of white adipose tissue after a burn injury promotes hepatic steatosis and dysfunction. <i>Cell Death and Disease</i> , 2019, 10, 870.	2.7	36
1716	Irisin, leptin and adiponectin levels are reduced significantly during fasting. <i>Mediterranean Journal of Nutrition and Metabolism</i> , 2019, 12, 389-396.	0.2	6
1718	Chicoric acid does not restore palmitate-induced decrease in irisin levels in PBMCs of newly diagnosed patients with T2D and healthy subjects. <i>Archives of Physiology and Biochemistry</i> , 2019, , 1-7.	1.0	2

#	ARTICLE	IF	CITATIONS
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1721	A Comparative Peptidomic Characterization of Cultured Skeletal Muscle Tissues Derived From db/db Mice. <i>Frontiers in Endocrinology</i> , 2019, 10, 741.	1.5	3
1722	Novel Aspects of Follistatin/Transforming Growth Factor- β^2 (TGF- β^2) Signaling in Adipose Tissue Metabolism: Implications in Metabolic Health. , 0, , .		3
1723	The association of circulating irisin with metabolic risk factors in Chinese adults: a cross-sectional community-based study. <i>BMC Endocrine Disorders</i> , 2019, 19, 147.	0.9	16
1724	Strategies to Counter Weight Loss-Induced Reductions in Metabolic Rate. <i>Current Sports Medicine Reports</i> , 2019, 18, 258-265.	0.5	4
1725	Effect of exercise training on the FNDC5/BDNF pathway in spontaneously hypertensive rats. <i>Physiological Reports</i> , 2019, 7, e14323.	0.7	11
1726	Inter-organ cross-talk in metabolic syndrome. <i>Nature Metabolism</i> , 2019, 1, 1177-1188.	5.1	157
1727	Beta-Aminoisobutyric Acid Inhibits Hypothalamic Inflammation by Reversing Microglia Activation. <i>Cells</i> , 2019, 8, 1609.	1.8	13
1728	Reduction of Fat to Muscle Mass Ratio Is Associated with Improvement of Liver Stiffness in Diabetic Patients with Non-Alcoholic Fatty Liver Disease. <i>Journal of Clinical Medicine</i> , 2019, 8, 2175.	1.0	18
1729	Lower circulating irisin in middle-aged and older adults with osteoporosis: a systematic review and meta-analysis. <i>Menopause</i> , 2019, 26, 1302-1310.	0.8	22
1730	Towards a Better Understanding of Beige Adipocyte Plasticity. <i>Cells</i> , 2019, 8, 1552.	1.8	32
1731	Pathophysiological role of endogenous irisin against tumorigenesis and metastasis: Is it a potential biomarker and therapeutic?. <i>Tumor Biology</i> , 2019, 41, 101042831989279.	0.8	8
1732	<p>Exercise Ameliorates Emphysema Of Cigarette Smoke-Induced COPD In Mice Through The Exercise-Irisin-Nrf2 Axis</p>. <i>International Journal of COPD</i> , 2019, Volume 14, 2507-2516.	0.9	30
1733	Transthyretin Maintains Muscle Homeostasis through the Novel Shuttle Pathway of Thyroid Hormones during Myoblast Differentiation. <i>Cells</i> , 2019, 8, 1565.	1.8	15
1734	Metabolic Health's The Role of Adipo-Myokines. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6159.	1.8	34
1735	Protective effect of Vitamin D on imidacloprid-induced testicular injury in rats. <i>Archives of Medical Science</i> , 2019, , .	0.4	1
1736	Irisin promotes cardiac progenitor cell-induced myocardial repair and functional improvement in infarcted heart. <i>Journal of Cellular Physiology</i> , 2019, 234, 1671-1681.	2.0	47
1737	Effect of dietary antioxidant-rich foods combined with aerobic training on energy metabolism in healthy young men. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2019, 64, 79-85.	0.6	12

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1738	Irisin levels in LMNA-associated partial lipodystrophies. <i>Diabetes and Metabolism</i> , 2019, 45, 67-75.	1.4	6
1739	Preliminary investigation of brown adipose tissue assessed by PET/CT and cancer activity. <i>Skeletal Radiology</i> , 2019, 48, 413-419.	1.2	29
1740	Involvement of natriuretic peptide system in C2C12 myocytes. <i>Molecular and Cellular Biochemistry</i> , 2019, 456, 15-27.	1.4	4
1741	The association between serum irisin levels and cardiovascular disease in diabetic patients. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2019, 13, 786-790.	1.8	26
1742	Administration of eicosapentaenoic and docosahexaenoic acids may improve the remodeling and browning in subcutaneous white adipose tissue and thermogenic markers in brown adipose tissue in mice. <i>Molecular and Cellular Endocrinology</i> , 2019, 482, 18-27.	1.6	25
1743	Crosstalk between nonalcoholic fatty liver disease and cardiometabolic syndrome. <i>Obesity Reviews</i> , 2019, 20, 599-611.	3.1	59
1744	Differential effects of endurance, interval, and resistance training on telomerase activity and telomere length in a randomized, controlled study. <i>European Heart Journal</i> , 2019, 40, 34-46.	1.0	135
1745	Mechanisms underlying UCP1 dependent and independent adipocyte thermogenesis. <i>Obesity Reviews</i> , 2019, 20, 241-251.	3.1	71
1746	Muscle as an Endocrine Organ. , 2019, , 285-307.		3
1747	Construction of a <i>Pichia pastoris</i> strain efficiently secreting irisin and assessment of its bioactivity in HepG2 cells. <i>International Journal of Biological Macromolecules</i> , 2019, 124, 60-70.	3.6	7
1748	Sarcopenia in patients with nonalcoholic fatty liver disease: is it a clinically significant entity?. <i>Obesity Reviews</i> , 2019, 20, 353-363.	3.1	42
1749	Extract of the Microalga <i>Nitzschia laevis</i> Prevents High Fat Diet Induced Obesity in Mice by Modulating the Composition of Gut Microbiota. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1800808.	1.5	47
1750	Inter-tissue communication in cancer cachexia. <i>Nature Reviews Endocrinology</i> , 2019, 15, 9-20.	4.3	191
1751	Loss of glucagon signaling alters white adipose tissue browning. <i>FASEB Journal</i> , 2019, 33, 4824-4835.	0.2	28
1752	Role of Myokines in Regulating Skeletal Muscle Mass and Function. <i>Frontiers in Physiology</i> , 2019, 10, 42.	1.3	239
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1754	Exercise-linked FNDC5/irisin rescues synaptic plasticity and memory defects in Alzheimer's models. <i>Nature Medicine</i> , 2019, 25, 165-175.	15.2	511
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1758	Interplay between diet, exercise and the molecular circadian clock in orchestrating metabolic adaptations of adipose tissue. <i>Journal of Physiology</i> , 2019, 597, 1439-1450.	1.3	27
1759	Effect of irisin on endometrial receptivity of rats with polycystic ovary syndrome. <i>Gynecological Endocrinology</i> , 2019, 35, 395-400.	0.7	12
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1761	Irisin alleviates liver ischemia-reperfusion injury by inhibiting excessive mitochondrial fission, promoting mitochondrial biogenesis and decreasing oxidative stress. <i>Redox Biology</i> , 2019, 20, 296-306.	3.9	180
1762	The influence of bariatric surgery on serum levels of irisin and nesfatin-1. <i>Acta Chirurgica Belgica</i> , 2019, 119, 363-369.	0.2	13
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1764	Use it or lose it to age: A review of bone and muscle communication. <i>Bone</i> , 2019, 120, 212-218.	1.4	132
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1768	Dietary polyphenols and their roles in fat browning. <i>Journal of Nutritional Biochemistry</i> , 2019, 64, 1-12.	1.9	111
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1770	Effects of intracerebroventricular administration of irisin on the hypothalamus-pituitary-gonadal axis in male rats. <i>Journal of Cellular Physiology</i> , 2019, 234, 8815-8824.	2.0	19
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1772	Glucose-Sensitive Myokine/Cardiokine MG53 Regulates Systemic Insulin Response and Metabolic Homeostasis. <i>Circulation</i> , 2019, 139, 901-914.	1.6	77
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1777	CREG1 promotes uncoupling protein 1 expression and brown adipogenesis <i>in vitro</i> . <i>Journal of Biochemistry</i> , 2019, 165, 47-55.	0.9	14
1778	Genetic risk score based on fat mass and obesity-associated, transmembrane protein 18 and fibronectin type III domain containing 5 polymorphisms is associated with anthropometric characteristics in South Brazilian children and adolescents. <i>British Journal of Nutrition</i> , 2019, 121, 93-99.	1.2	13
1779	Protective role of skeletal muscle mass against progression from metabolically healthy to unhealthy phenotype. <i>Clinical Endocrinology</i> , 2019, 90, 102-113.	1.2	28
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1781	First-trimester irisin and fetuin-A concentration in predicting macrosomia. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2019, 32, 2868-2873.	0.7	7
1782	Serum levels of irisin predict short-term outcomes in ischemic stroke. <i>Cytokine</i> , 2019, 122, 154303.	1.4	31
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1784	Effects of exercise on brown and beige adipocytes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 71-78.	1.2	78
1785	Colostrum and mature breast milk analysis of serum irisin and sterol regulatory element-binding proteins-1c in gestational diabetes mellitus. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2019, 32, 2993-2999.	0.7	19
1786	Metabolic cross-talk between skeletal muscle and adipose tissue in high-intensity interval training vs. moderate-intensity continuous training by regulation of PGC-1 β . <i>Eating and Weight Disorders</i> , 2020, 25, 17-24.	1.2	29
1787	Mechanistic complexities of bone loss in Alzheimer's disease: a review. <i>Connective Tissue Research</i> , 2020, 61, 4-18.	1.1	22
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1789	Muscle-Derived Soluble Mediators Regulating Bone. , 2020, , 356-361.		0
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1791	Effects of Hippocampal Microinjection of Irisin, an Exercise-Induced Myokine, on Spatial and Passive Avoidance Learning and Memory in Male Rats. <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 357-367.	0.9	6

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1793	The biochemical characteristics of a novel fermented loose tea by <i>Eurotium cristatum</i> (MF800948) and its hypolipidemic activity in a zebrafish model. <i>LWT - Food Science and Technology</i> , 2020, 117, 108629.	2.5	27
1794	Early weaning alters the thermogenic capacity of brown adipose tissue in adult male and female rats. <i>European Journal of Nutrition</i> , 2020, 59, 2207-2218.	1.8	4
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1798	Interleukin-15 and irisin serum concentrations are not related to cardiometabolic risk factors in patients with type 2 diabetes from Korea and Germany. <i>Acta Diabetologica</i> , 2020, 57, 381-384.	1.2	2
1799	Regulation of thermogenic capacity in brown and white adipocytes by the prebiotic high-esterified pectin and its postbiotic acetate. <i>International Journal of Obesity</i> , 2020, 44, 715-726.	1.6	17
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1801	Impact of a Formulation Containing Unusual Polyunsaturated Fatty Acids, Trace Elements, Polyphenols and Plant Sterols on Insulin Resistance and Associated Disturbances. <i>Diabetes Therapy</i> , 2020, 11, 229-245.	1.2	3
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1805	Creatinine-to-bodyweight ratio is a predictor of incident non-alcoholic fatty liver disease: A population-based longitudinal study. <i>Hepatology Research</i> , 2020, 50, 57-66.	1.8	16
1806	Myokine levels after resistance exercise in young adults with Prader-Willi syndrome (PWS). <i>American Journal of Medical Genetics, Part A</i> , 2020, 182, 115-121.	0.7	6
1807	Reactive oxygen species-dependent regulation of pyruvate dehydrogenase kinase-4 in white adipose tissue. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 318, C137-C149.	2.1	16
1808	The Etiology and Impact of Muscle Wasting in Metastatic Cancer. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2020, 10, a037416.	2.9	8
1809	FND5/Irisin: A New Protagonist in Acute Brain Injury. <i>Stem Cells and Development</i> , 2020, 29, 533-543.	1.1	17

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1811	The evolution of genomic imprinting: Epigenetic control of mammary gland development and postnatal resource control. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2020, 12, e1476.	6.6	9
1812	The effect of antecedent-conditioning high-intensity interval training on BDNF regulation through PGC-1 α pathway following cerebral ischemia. <i>Brain Research</i> , 2020, 1729, 146618.	1.1	12
1813	Circulating irisin levels of prenatal and postnatal patients with gestational diabetes mellitus: A systematic review and meta-analysis. <i>Cytokine</i> , 2020, 126, 154924.	1.4	12
1814	Irisin promotes growth, migration and matrix formation in human periodontal ligament cells. <i>Archives of Oral Biology</i> , 2020, 111, 104635.	0.8	20
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1816	Irisin increases the expression of anorexigenic and neurotrophic genes in mouse brain. <i>Diabetes/Metabolism Research and Reviews</i> , 2020, 36, e3238.	1.7	21
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1818	Exercise Intensity and Recovery on Circulating Brain-derived Neurotrophic Factor. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 1210-1217.	0.2	40
1819	Role of VEGFs in metabolic disorders. <i>Angiogenesis</i> , 2020, 23, 119-130.	3.7	33
1820	Cancer-Associated Cachexia: A Systemic Consequence of Cancer Progression. <i>Annual Review of Cancer Biology</i> , 2020, 4, 391-411.	2.3	25
1821	Irisin is expressed by undifferentiated spermatogonia and modulates gene expression in organotypic primate testis cultures. <i>Molecular and Cellular Endocrinology</i> , 2020, 504, 110670.	1.6	11
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1825	The emerging roles of lactate as a redox substrate and signaling molecule in adipose tissues. <i>Journal of Physiology and Biochemistry</i> , 2020, 76, 241-250.	1.3	26
1826	The Protective Effect of Exercise in Neurodegenerative Diseases: The Potential Role of Extracellular Vesicles. <i>Cells</i> , 2020, 9, 2182.	1.8	31
1827	The Potential Role of Irisin in Vascular Function and Atherosclerosis: A Review. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7184.	1.8	24

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1829	Disordered metabolism in mice lacking irisin. <i>Scientific Reports</i> , 2020, 10, 17368.	1.6	33
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1835	Nutrient regulation of somatic growth in teleost fish. The interaction between somatic growth, feeding and metabolism. <i>Molecular and Cellular Endocrinology</i> , 2020, 518, 111029.	1.6	28
1836	Hindlimb unloading causes regional loading-dependent changes in osteocyte inflammatory cytokines that are modulated by exogenous irisin treatment. <i>Npj Microgravity</i> , 2020, 6, 28.	1.9	17
1837	Impact of diets rich in olive oil, palm oil or lard on myokine expression in rats. <i>Food and Function</i> , 2020, 11, 9114-9128.	2.1	6
1838	The regulatory role of dietary factors in skeletal muscle development, regeneration and function. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 764-782.	5.4	15
1839	A brief overview about the physiology of fibronectin type III domain-containing 5. <i>Cellular Signalling</i> , 2020, 76, 109805.	1.7	13
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1843	Irisin and Autophagy: First Update. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7587.	1.8	32
1844	Harnessing the effects of endurance exercise to optimize cognitive health: Fundamental insights from Dr. Mark P. Mattson. <i>Ageing Research Reviews</i> , 2020, 64, 101147.	5.0	4
1845	Serum irisin level, insulin resistance, and lipid profiles in patients with hidradenitis suppurativa: a case-control study. <i>Anais Brasileiros De Dermatologia</i> , 2020, 95, 708-713.	0.5	10

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1847	Irisin promotes osteogenic differentiation of bone marrow mesenchymal stem cells by activating autophagy via the Wnt/ β -catenin signal pathway. <i>Cytokine</i> , 2020, 136, 155292.	1.4	35
1848	Irisin level and neonatal birthweight: A systematic review and meta-analysis. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2020, 254, 25-32.	0.5	1
1849	Comment on: Effect of sleeve gastrectomy on the expression of Meteorin-like (METRNL) and irisin (FNDC5) in muscle and brown adipose tissue and its impact on (UCPs) in diet-induced obesity rats. <i>Surgery for Obesity and Related Diseases</i> , 2020, 16, 1918-1919.	1.0	2
1850	Association between serum irisin concentrations and sarcopenia in patients with liver cirrhosis: a cross-sectional study. <i>Scientific Reports</i> , 2020, 10, 16093.	1.6	30
1851	The Heating Microenvironment: Intercellular Cross Talk Within Thermogenic Adipose Tissue. <i>Diabetes</i> , 2020, 69, 1599-1604.	0.3	22
1852	Sarcopenic obesity: Myokines as potential diagnostic biomarkers and therapeutic targets?. <i>Experimental Gerontology</i> , 2020, 139, 111022.	1.2	44
1853	Maternal irisin level in last trimester isolated intrauterine growth-restriction. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2020, , 1-7.	0.7	1
1854	Irisin: Still chasing shadows. <i>Molecular Metabolism</i> , 2020, 34, 124-135.	3.0	50
1855	Role of Skeletal Muscle in Insulin Resistance and Glucose Uptake. , 2020, 10, 785-809.		181
1856	The effects of aerobic, resistance, and combined exercises on the plasma irisin levels, HOMA-IR, and lipid profiles in women with metabolic syndrome: A randomized controlled trial. <i>Journal of Exercise Science and Fitness</i> , 2020, 18, 168-176.	0.8	28
1857	Plasma Concentration of Irisin and Brain-Derived-Neurotrophic Factor and Their Association With the Level of Erythrocyte Adenine Nucleotides in Response to Long-Term Endurance Training at Rest and After a Single Bout of Exercise. <i>Frontiers in Physiology</i> , 2020, 11, 923.	1.3	8
1858	Adropin and irisin levels in a rat model of hypothyroidism. <i>Journal of Physiology and Pathophysiology</i> , 2020, 11, 1-8.	0.3	0
1859	Control of Adipose Cell Browning and Its Therapeutic Potential. <i>Metabolites</i> , 2020, 10, 471.	1.3	18
1860	Physiopathology of Lifestyle Interventions in Non-Alcoholic Fatty Liver Disease (NAFLD). <i>Nutrients</i> , 2020, 12, 3472.	1.7	27
1861	Fibronectin type III domain-containing 5 in cardiovascular and metabolic diseases: a promising biomarker and therapeutic target. <i>Acta Pharmacologica Sinica</i> , 2021, 42, 1390-1400.	2.8	14
1862	Chrysophanol Alleviates Metabolic Syndrome by Activating the SIRT6/AMPK Signaling Pathway in Brown Adipocytes. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-14.	1.9	14
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#	ARTICLE	IF	CITATIONS
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1865	Comprehensive Model for Physical and Cognitive Frailty: Current Organization and Unmet Needs. <i>Frontiers in Psychology</i> , 2020, 11, 569629.	1.1	15
1866	3â€²-Hydroxydaidzein Improves Obesity Through the Induced Browning of Beige Adipose and Modulation of Gut Microbiota in Mice with Obesity Induced by a High-Fat Diet. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 14513-14522.	2.4	15
1867	Nutraceuticals and Exercise against Muscle Wasting during Cancer Cachexia. <i>Cells</i> , 2020, 9, 2536.	1.8	23
1868	Correlates and Consequences of High Serum Irisin Concentration in Patients on Hemodialysis: A Longitudinal Analysis. , 2020, 31, 389-396.		2
1869	Enoxacin induces oxidative metabolism and mitigates obesity by regulating adipose tissue miRNA expression. <i>Science Advances</i> , 2020, 6, .	4.7	21
1870	Role of Regular Physical Activity in Neuroprotection against Acute Ischemia. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9086.	1.8	17
1871	The effect of 4-week endurance training on serum levels of irisin and betatrophin in streptozotocin-induced diabetic rats. <i>Archives of Physiology and Biochemistry</i> , 2020, , 1-7.	1.0	3
1872	Influence of Acute and Chronic Exercise on Abdominal Fat Lipolysis: An Update. <i>Frontiers in Physiology</i> , 2020, 11, 575363.	1.3	21
1873	Adipokines, Myokines, and Cardiokines: The Role of Nutritional Interventions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8372.	1.8	33
1874	Circulating Irisin Level and Thyroid Dysfunction: A Systematic Review and Meta-Analysis. <i>BioMed Research International</i> , 2020, 2020, 1-11.	0.9	3
1875	Resistance Exercise Regulates Hepatic Lipolytic Factors as Effective as Aerobic Exercise in Obese Mice. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8307.	1.2	7
1876	Metabolic communication during exercise. <i>Nature Metabolism</i> , 2020, 2, 805-816.	5.1	97
1877	Effect of treatment with conditioned media derived from C2C12 myotube on adipogenesis and lipolysis in 3T3-L1 adipocytes. <i>PLoS ONE</i> , 2020, 15, e0237095.	1.1	11
1878	Irisin ameliorates high glucoseâ€induced cardiomyocytes injury via AMPK/mTOR signal pathway. <i>Cell Biology International</i> , 2020, 44, 2315-2325.	1.4	22
1879	Irisin inhibits osteocyte apoptosis by activating the Erk signaling pathway in vitro and attenuates ALCT-induced osteoarthritis in mice. <i>Bone</i> , 2020, 141, 115573.	1.4	45
1880	Effects of 2-week HMB-FA supplementation with or without eccentric resistance exercise on expression of some genes related to muscle protein turnover and serum irisin and IGF-1 concentrations. <i>Gene</i> , 2020, 760, 145018.	1.0	5
1881	Irisin pre-treatment promotes multi-territory perforator flap survival in rats: An experimental study. <i>Injury</i> , 2020, 51, 2442-2448.	0.7	2

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1882	Effects of Hypnotherapy on Weight Loss and thus on Serum Leptin, Adiponectin, and Irisin Levels in Obese Patients. <i>Journal of Alternative and Complementary Medicine</i> , 2020, 26, 1047-1054.	2.1	4
1883	Effects of Melatonin on Lipid Metabolism and Circulating Irisin in Sprague-Dawley Rats with Diet-Induced Obesity. <i>Molecules</i> , 2020, 25, 3329.	1.7	24
1884	Integrated Pathways of COX-2 and mTOR: Roles in Cell Sensing and Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2020, 14, 693.	1.4	22
1885	Potential Involvement of Adiponectin Signaling in Regulating Physical Exercise-Elicited Hippocampal Neurogenesis and Dendritic Morphology in Stressed Mice. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 189.	1.8	13
1886	Alliin-induced host-gut microbe interactions improves energy homeostasis. <i>FASEB Journal</i> , 2020, 34, 10682-10698.	0.2	27
1887	Effect of sleeve gastrectomy on the expression of meteorin-like (METRNL) and Irisin (FNDC5) in muscle and brown adipose tissue and its impact on uncoupling proteins in diet-induced obesity rats. <i>Surgery for Obesity and Related Diseases</i> , 2020, 16, 1910-1918.	1.0	8
1888	Irisin prevents microgravity-induced impairment of osteoblast differentiation in vitro during the space flight CRS-14 mission. <i>FASEB Journal</i> , 2020, 34, 10096-10106.	0.2	38
1889	Artificial switching of the metabolic processing pathway of an etiologic factor, Î²2-microglobulin, by a navigational molecule. <i>Journal of Controlled Release</i> , 2020, 327, 8-18.	4.8	2
1890	Aerobic exercise alleviates oxidative stress-induced apoptosis in kidneys of myocardial infarction mice by inhibiting ALCAT1 and activating FNDC5/Irisin signaling pathway. <i>Free Radical Biology and Medicine</i> , 2020, 158, 171-180.	1.3	45
1891	Irisin, an exercise myokine, potently suppresses tumor proliferation, invasion, and growth in glioma. <i>FASEB Journal</i> , 2020, 34, 9678-9693.	0.2	19
1892	Relationship between Serum Vascular Endothelial Growth Factor Levels and Stages of Diabetic Retinopathy and Other Biomarkers. <i>Journal of Ophthalmology</i> , 2020, 2020, 1-7.	0.6	9
1893	Neurotrophic Factor BDNF, Physiological Functions and Therapeutic Potential in Depression, Neurodegeneration and Brain Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7777.	1.8	345
1894	Irisin Gene Delivery Ameliorates Burn-Induced Sensory and Motor Neuropathy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7798.	1.8	7
1895	Integrin-Ligand Interactions in Inflammation, Cancer, and Metabolic Disease: Insights Into the Multifaceted Roles of an Emerging Ligand Irisin. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 588066.	1.8	41
1896	Compromised browning plasticity of primary subcutaneous adipocytes derived from overweight Chinese adults. <i>Diabetology and Metabolic Syndrome</i> , 2020, 12, 91.	1.2	8
1897	Insulin resistance and idiopathic infertility: A potential possible link. <i>Andrologia</i> , 2020, 52, e13773.	1.0	2
1898	Pathophysiology of Type 2 Diabetes Mellitus. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6275.	1.8	993
1899	Induction of Adipose Tissue Browning as a Strategy to Combat Obesity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6241.	1.8	113

#	ARTICLE	IF	CITATIONS
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1901	Irisin Mitigates Oxidative Stress, Chondrocyte Dysfunction and Osteoarthritis Development through Regulating Mitochondrial Integrity and Autophagy. <i>Antioxidants</i> , 2020, 9, 810.	2.2	80
1902	Correlations between serum testosterone and irisin levels in a sample of Egyptian men with metabolic syndrome; (case-control study). <i>Archives of Physiology and Biochemistry</i> , 2023, 129, 180-185.	1.0	4
1903	Metabolic Improvement via Enhancing Thermogenic Fat-Mediated Non-shivering Thermogenesis: From Rodents to Humans. <i>Frontiers in Endocrinology</i> , 2020, 11, 633.	1.5	12
1904	Vascular endothelial growth factor B promotes transendothelial fatty acid transport into skeletal muscle via histone modifications during catch-up growth. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E1031-E1043.	1.8	8
1905	Serum Irisin Levels, Endothelial Dysfunction, and Inflammation in Pediatric Patients with Type 2 Diabetes Mellitus and Metabolic Syndrome. <i>Journal of Diabetes Research</i> , 2020, 2020, 1-16.	1.0	24
1906	Dysregulated Autophagy Mediates Sarcopenic Obesity and Its Complications via AMPK and PGC1 β Signaling Pathways: Potential Involvement of Gut Dysbiosis as a Pathological Link. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6887.	1.8	19
1907	Irisin Attenuates Myocardial Ischemia/Reperfusion Injury and Improves Mitochondrial Function Through AMPK Pathway in Diabetic Mice. <i>Frontiers in Pharmacology</i> , 2020, 11, 565160.	1.6	34
1908	Involvement of kindlin-2 in irisin's protection against ischaemia reperfusion-induced liver injury in high-fat diet-fed mice. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 13081-13092.	1.6	11
1909	DR3 stimulation of adipose resident ILC2s ameliorates type 2 diabetes mellitus. <i>Nature Communications</i> , 2020, 11, 4718.	5.8	26
1910	Effect of Long-Term Moderate Physical Exercise on Irisin between Normal Weight and Obese Men. <i>Scientific World Journal, The</i> , 2020, 2020, 1-7.	0.8	20
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1915	Exercise enhances mitochondrial fission and mitophagy to improve myopathy following critical limb ischemia in elderly mice via the PGC1 α /FND5/irisin pathway. <i>Skeletal Muscle</i> , 2020, 10, 25.	1.9	31
1916	Irisin Pretreatment Protects Kidneys against Acute Kidney Injury Induced by Ischemia/Reperfusion via Upregulating the Expression of Uncoupling Protein 2. <i>BioMed Research International</i> , 2020, 2020, 1-13.	0.9	9
1917	A Randomized Controlled Trial on the Effects of 12 Weeks of Aerobic, Resistance, and Combined Exercises Training on the Serum Levels of Nsfatin-1, Irisin-1 and HOMA-IR. <i>Frontiers in Physiology</i> , 2020, 11, 562895.	1.3	30

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1919	The effects of glucose and fatty acids on CXCL10 expression in skeletal muscle cells. <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 2448-2457.	0.6	5
1920	Relationship between handgrip strength and albuminuria in community-dwelling elderly Japanese subjects: the Shika Study. <i>Biomarkers</i> , 2020, 25, 587-593.	0.9	0
1921	Dynamic changes in DICER levels in adipose tissue control metabolic adaptations to exercise. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23932-23941.	3.3	19
1922	Fibronectin type III domain-containing 4 promotes the migration and differentiation of bovine skeletal muscle-derived satellite cells via focal adhesion kinase. <i>Cell Adhesion and Migration</i> , 2020, 14, 153-164.	1.1	4
1923	Nonalcoholic fatty liver disease and sarcopenia: pathophysiological connections and therapeutic implications. <i>Expert Review of Gastroenterology and Hepatology</i> , 2020, 14, 1141-1157.	1.4	16
1924	Exercise training improves adipose tissue metabolism and vasculature regardless of baseline glucose tolerance and sex. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e000830.	1.2	18
1925	Possible Neuroprotective Mechanisms of Physical Exercise in Neurodegeneration. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5895.	1.8	127
1926	The Neuroprotective Effect of Irisin in Ischemic Stroke. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 588958.	1.7	21
1927	Analysis of Activity-Dependent Energy Metabolism in Mice Reveals Regulation of Mitochondrial Fission and Fusion mRNA by Voluntary Physical Exercise in Subcutaneous Fat from Male Marathon Mice (DUhTP). <i>Cells</i> , 2020, 9, 2697.	1.8	7
1928	Bone and Muscle Crosstalk in Aging. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 585644.	1.8	63
1929	The Role of the Adipokines in the Most Common Gestational Complications. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9408.	1.8	41
1930	Uncovering the Role of p38 Family Members in Adipose Tissue Physiology. <i>Frontiers in Endocrinology</i> , 2020, 11, 572089.	1.5	25
1931	Harnessing Muscle-Liver Crosstalk to Treat Nonalcoholic Steatohepatitis. <i>Frontiers in Endocrinology</i> , 2020, 11, 592373.	1.5	42
1932	Irisin Protects Against Motor Dysfunction of Rats with Spinal Cord Injury via Adenosine 5'-Monophosphate (AMP)-Activated Protein Kinase-Nuclear Factor Kappa-B Pathway. <i>Frontiers in Pharmacology</i> , 2020, 11, 582484.	1.6	16
1933	Lysyl oxidase inhibition enhances browning of white adipose tissue and adaptive thermogenesis. <i>Genes and Diseases</i> , 2022, 9, 140-150.	1.5	1
1934	Dietary Lactate Supplementation Protects against Obesity by Promoting Adipose Browning in Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 14841-14849.	2.4	19
1935	Role of swimming on muscle PGC-1 α , FNDC5 mRNA, and assessment of serum omentin, adiponin, and irisin in high carbohydrate high fat (HCHF) diet induced obesity in rats. <i>Egyptian Journal of Medical Human Genetics</i> , 2020, 21, .	0.5	2

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1937	Associations between Health-Related Physical Fitness and Cardiovascular Disease Risk Factors in Overweight and Obese University Staff. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 9031.	1.2	7
1938	Effect of sitagliptin on expression of skeletal muscle peroxisome proliferator-activated receptor α coactivator-1 and irisin in a rat model of type 2 diabetes mellitus. <i>Journal of International Medical Research</i> , 2020, 48, 030006051988556.	0.4	8
1939	Impacts of rat hindlimb Fndc5/irisin overexpression on muscle and adipose tissue metabolism. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 318, E943-E955.	1.8	4
1940	Secreted Phospholipase PLA2G2D Contributes to Metabolic Health by Mobilizing ω 3 Polyunsaturated Fatty Acids in WAT. <i>Cell Reports</i> , 2020, 31, 107579.	2.9	42
1941	Adipose tissue depot differences in adipokines and effects on skeletal and cardiac muscle. <i>Current Opinion in Pharmacology</i> , 2020, 52, 1-8.	1.7	41
1942	Placental Regulation of Energy Homeostasis During Human Pregnancy. <i>Endocrinology</i> , 2020, 161, .	1.4	24
1943	Gut microbiota and regulation of myokine-adipokine function. <i>Current Opinion in Pharmacology</i> , 2020, 52, 9-17.	1.7	29
1944	Functional effects of muscle PGC-1 α in aged animals. <i>Skeletal Muscle</i> , 2020, 10, 14.	1.9	29
1945	Suppression of Endothelial AGO1 Promotes Adipose Tissue Browning and Improves Metabolic Dysfunction. <i>Circulation</i> , 2020, 142, 365-379.	1.6	44
1946	Muscle—Organ Crosstalk: The Emerging Roles of Myokines. <i>Endocrine Reviews</i> , 2020, 41, 594-609.	8.9	428
1947	Protective actions of exercise-related FNDC5/Irisin in memory and Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2020, 155, 602-611.	2.1	45
1948	Exercise and browning of white adipose tissue—a translational perspective. <i>Current Opinion in Pharmacology</i> , 2020, 52, 18-24.	1.7	27
1949	β -Aminoisobutyric Acid Suppresses Atherosclerosis in Apolipoprotein E-Knockout Mice. <i>Biological and Pharmaceutical Bulletin</i> , 2020, 43, 1016-1019.	0.6	9
1950	Interplay between hormones and exercise on hippocampal plasticity across the lifespan. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165821.	1.8	10
1951	FNDC4, a novel adipokine that reduces lipogenesis and promotes fat browning in human visceral adipocytes. <i>Metabolism: Clinical and Experimental</i> , 2020, 108, 154261.	1.5	31
1952	A Single Bout of High-intensity Interval Exercise Increases Corticospinal Excitability, Brain-derived Neurotrophic Factor, and Uncarboxylated Osteocalcin in Sedentary, Healthy Males. <i>Neuroscience</i> , 2020, 437, 242-255.	1.1	34
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1955	Skeletal muscle antagonizes antiviral CD8 ⁺ T cell exhaustion. <i>Science Advances</i> , 2020, 6, eaba3458.	4.7	40
1956	FNDC5/irisin improves the therapeutic efficacy of bone marrow-derived mesenchymal stem cells for myocardial infarction. <i>Stem Cell Research and Therapy</i> , 2020, 11, 228.	2.4	36
1957	Exercise-Induced Circulating Irisin Level Is Correlated with Improved Cardiac Function in Rats. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3863.	1.2	13
1958	Involvement of the p62/Nrf2/HO-1 pathway in the browning effect of irisin in 3T3-L1 adipocytes. <i>Molecular and Cellular Endocrinology</i> , 2020, 514, 110915.	1.6	14
1959	The effect of nutrition and exercise training on irisin and semaphorin-3E levels in obese patients. <i>Archives of Physiology and Biochemistry</i> , 2020, , 1-10.	1.0	4
1960	The role of thyroid hormone in metabolism and metabolic syndrome. <i>Therapeutic Advances in Endocrinology and Metabolism</i> , 2020, 11, 204201882091786.	1.4	86
1961	Resistance exercise training induces subcutaneous and visceral adipose tissue browning in Swiss mice. <i>Journal of Applied Physiology</i> , 2020, 129, 66-74.	1.2	15
1962	Circulating Irisin in Healthy Adults: Changes after Acute Exercise, Correlation with Body Composition, and Energy Expenditure Parameters in Cross-Sectional Study. <i>Medicina (Lithuania)</i> , 2020, 56, 274.	0.8	8
1963	Intermittent Fasting and High-Intensity Exercise Elicit Sexual-Dimorphic and Tissue-Specific Adaptations in Diet-Induced Obese Mice. <i>Nutrients</i> , 2020, 12, 1764.	1.7	9
1964	What the discovery of irisin receptor means to bone. <i>Archives of Physiology and Biochemistry</i> , 2022, 128, 1137-1139.	1.0	1
1965	Review of Research on the Role of Irisin in Tumors. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 4423-4430.	1.0	29
1966	Effects of Short Term Metformin Treatment on Brown Adipose Tissue Activity and Plasma Irisin Levels in Women with Polycystic Ovary Syndrome: A Randomized Controlled Trial. <i>Hormone and Metabolic Research</i> , 2020, 52, 718-723.	0.7	10
1967	Circulating Irisin Levels as a Marker of Osteosarcopenic-Obesity in Cushing's Disease. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2020, Volume 13, 1565-1574.	1.1	14
1968	Myokines and Osteokines in the Pathogenesis of Muscle and Bone Diseases. <i>Current Osteoporosis Reports</i> , 2020, 18, 401-407.	1.5	28
1969	Bone-Muscle Mutual Interactions. <i>Current Osteoporosis Reports</i> , 2020, 18, 408-421.	1.5	40
1970	Irisin Improves Myocardial Performance and Attenuates Insulin Resistance in Spontaneous Mutation (Leprdb) Mice. <i>Frontiers in Pharmacology</i> , 2020, 11, 769.	1.6	11
1971	Irisin Recovers Osteoarthritic Chondrocytes In Vitro. <i>Cells</i> , 2020, 9, 1478.	1.8	32

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1973	Irisin counteracts high glucose and fatty acid-induced cytotoxicity by preserving the AMPK-insulin receptor signaling axis in C2C12 myoblasts. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 318, E791-E805.	1.8	34
1974	Associations of Preoperative Irisin Levels of Paired Cerebrospinal Fluid and Plasma with Physical Dysfunction and Muscle Wasting Severity in Residents of Surgery Wards. <i>Journal of Nutrition, Health and Aging</i> , 2020, 24, 412-422.	1.5	7
1975	FGF6 and FGF9 regulate UCP1 expression independent of brown adipogenesis. <i>Nature Communications</i> , 2020, 11, 1421.	5.8	67
1976	Novel Mechanisms of Exercise-Induced Cardioprotective Factors in Myocardial Infarction. <i>Frontiers in Physiology</i> , 2020, 11, 199.	1.3	17
1977	Indirubin, a small molecular deriving from connectivity map (CMAP) screening, ameliorates obesity-induced metabolic dysfunction by enhancing brown adipose thermogenesis and white adipose browning. <i>Nutrition and Metabolism</i> , 2020, 17, 21.	1.3	15
1978	Relationship of Vitamin D-Deficient Diet and Irisin, and Their Impact on Energy Homeostasis in Rats. <i>Frontiers in Physiology</i> , 2020, 11, 25.	1.3	13
1979	Irisin lowers blood pressure by activating the Nrf2 signaling pathway in the hypothalamic paraventricular nucleus of spontaneously hypertensive rats. <i>Toxicology and Applied Pharmacology</i> , 2020, 394, 114953.	1.3	27
1980	Association between plasma irisin and glucose metabolism in pregnant women is modified by dietary n-3 polyunsaturated fatty acid intake. <i>Journal of Diabetes Investigation</i> , 2020, 11, 1326-1335.	1.1	7
1981	Relationships between plasma lipidomic profiles and brown adipose tissue density in humans. <i>International Journal of Obesity</i> , 2020, 44, 1387-1396.	1.6	15
1982	Association of polymorphisms of preptin, irisin and adropin genes with susceptibility to coronary artery disease and hypertension. <i>Medicine (United States)</i> , 2020, 99, e19365.	0.4	4
1983	Association of the serum irisin level with obstructive sleep apnea: a body mass index- and physical activity-matched study. <i>Endocrine Journal</i> , 2020, 67, 607-612.	0.7	6
1984	The kynurenine connection: how exercise shifts muscle tryptophan metabolism and affects energy homeostasis, the immune system, and the brain. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 318, C818-C830.	2.1	65
1985	Auricular acupuncture induces FNDC5/irisin and attenuates obese inflammation in mice. <i>Acupuncture in Medicine</i> , 2020, 38, 264-271.	0.4	7
1986	Impact of adipokines and myokines on fat browning. <i>Journal of Physiology and Biochemistry</i> , 2020, 76, 227-240.	1.3	20
1988	Impact of Vigorous-Intensity Physical Activity on Body Composition Parameters, Lipid Profile Markers, and Irisin Levels in Adolescents: A Cross-Sectional Study. <i>Nutrients</i> , 2020, 12, 742.	1.7	33
1989	PPAR- α activation counters brown adipose tissue whitening: a comparative study between high-fat and high-fructose-fed mice. <i>Nutrition</i> , 2020, 78, 110791.	1.1	29
1990	Redox Signaling in Widespread Health Benefits of Exercise. <i>Antioxidants and Redox Signaling</i> , 2020, 33, 745-760.	2.5	31

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1992	Exercise-induced Î±-ketoglutaric acid stimulates muscle hypertrophy and fat loss through OXGR1-dependent adrenal activation. <i>EMBO Journal</i> , 2020, 39, e103304.	3.5	38
1993	Fat Wasting Is Damaging: Role of Adipose Tissue in Cancer-Associated Cachexia. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 33.	1.8	35
1994	Molecular and Lifestyle Factors Modulating Obesity Disease. <i>Biomedicines</i> , 2020, 8, 46.	1.4	6
1995	The Role of Exercise in the Interplay between Myokines, Hepatokines, Osteokines, Adipokines, and Modulation of Inflammation for Energy Substrate Redistribution and Fat Mass Loss: A Review. <i>Nutrients</i> , 2020, 12, 1899.	1.7	125
1996	ESRRG and PERM1 Govern Mitochondrial Conversion in Brite/Beige Adipocyte Formation. <i>Frontiers in Endocrinology</i> , 2020, 11, 387.	1.5	7
1997	Spinophilin-deficient mice are protected from diet-induced obesity and insulin resistance. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E354-E362.	1.8	3
1998	White adipose tissue browning in critical illness: A review of the evidence, mechanisms and future perspectives. <i>Obesity Reviews</i> , 2020, 21, e13085.	3.1	18
1999	Irisin modulates genes associated with severe coronavirus disease (COVID-19) outcome in human subcutaneous adipocytes cell culture. <i>Molecular and Cellular Endocrinology</i> , 2020, 515, 110917.	1.6	40
2000	A FAK/HDAC5 signaling axis controls osteocyte mechanotransduction. <i>Nature Communications</i> , 2020, 11, 3282.	5.8	57
2001	Exploring Therapeutic Targets to Reverse or Prevent the Transition from Metabolically Healthy to Unhealthy Obesity. <i>Cells</i> , 2020, 9, 1596.	1.8	19
2002	The Impact of Single-Cell Genomics on Adipose Tissue Research. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4773.	1.8	43
2003	Exercising your mind. <i>Science</i> , 2020, 369, 144-145.	6.0	3
2004	Cerebrospinal fluid irisin correlates with amyloidÎ², BDNF, and cognition in Alzheimer's disease. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2020, 12, e12034.	1.2	32
2005	Aerobic and resistance training improve alveolar bone quality and interferes with bone-remodeling during orthodontic tooth movement in mice. <i>Bone</i> , 2020, 138, 115496.	1.4	15
2006	Adenosine/A2B Receptor Signaling Ameliorates the Effects of Aging and Counteracts Obesity. <i>Cell Metabolism</i> , 2020, 32, 56-70.e7.	7.2	77
2007	CD81 Controls Beige Fat Progenitor Cell Growth and Energy Balance via FAK Signaling. <i>Cell</i> , 2020, 182, 563-577.e20.	13.5	156
2008	Plasma irisin level associated with hemodynamic parameters and predict clinical outcome in patients with acute pulmonary embolism. <i>Respiratory Medicine</i> , 2020, 171, 106072.	1.3	1

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2010	Amino acid-based compound activates atypical PKC and leptin receptor pathways to improve glycemia and anxiety like behavior in diabetic mice. <i>Biomaterials</i> , 2020, 239, 119839.	5.7	6
2011	The modulatory effects of irisin on asprosin, leptin, glucose levels and lipid profile in healthy and obese male and female rats. <i>Archives of Physiology and Biochemistry</i> , 2022, 128, 724-731.	1.0	14
2012	Effects of green tea extract supplementation and endurance training on irisin, pro-inflammatory cytokines, and adiponectin concentrations in overweight middle-aged men. <i>European Journal of Applied Physiology</i> , 2020, 120, 915-923.	1.2	42
2013	Circulating myokine levels in different stages of glucose intolerance. <i>Medicine (United States)</i> , 2020, 99, e19235.	0.4	12
2014	Effects of Irisin Compared with Exercise on Specific Metabolic and Obesity Parameters in Female Mice with Obesity. <i>Metabolic Syndrome and Related Disorders</i> , 2020, 18, 141-145.	0.5	11
2015	Effect of ursodeoxycholic acid therapy due to pregnant intrahepatic cholestasis on chemerin and irisin levels. <i>Dermatologic Therapy</i> , 2020, 33, e13272.	0.8	2
2016	Irisin promotes cementoblast differentiation via p38 MAPK pathway. <i>Oral Diseases</i> , 2020, 26, 974-982.	1.5	14
2017	The Effects of MiR-214-3p and Irisin/FNDC5 on the Biological Behavior of Osteosarcoma Cells. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2020, 35, 92-100.	0.7	10
2018	Carotenoids and carotenoid conversion products in adipose tissue biology and obesity: Pre-clinical and human studies. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158676.	1.2	44
2019	A pilot study on the relation between irisin single-nucleotide polymorphism and risk of myocardial infarction. <i>Biochemistry and Biophysics Reports</i> , 2020, 22, 100742.	0.7	7
2020	Shared PPAR α / β Target Genes Regulate Brown Adipocyte Thermogenic Function. <i>Cell Reports</i> , 2020, 30, 3079-3091.e5.	2.9	26
2021	The effect of fenugreek seed supplementation on serum irisin levels, blood pressure, and liver and kidney function in patients with type 2 diabetes mellitus: A parallel randomized clinical trial. <i>Complementary Therapies in Medicine</i> , 2020, 49, 102315.	1.3	32
2022	Irisin levels in genetic and essential obesity: clues for a potential dual role. <i>Scientific Reports</i> , 2020, 10, 1020.	1.6	25
2023	Ginsenoside Rg3 Induces Browning of 3T3-L1 Adipocytes by Activating AMPK Signaling. <i>Nutrients</i> , 2020, 12, 427.	1.7	27
2024	Blunted circulating irisin in adults with type 1 diabetes during aerobic exercise in a hot environment: a pilot study. <i>Applied Physiology, Nutrition and Metabolism</i> , 2020, 45, 679-682.	0.9	4
2025	Antidepressant-like and pro-neurogenic effects of physical exercise: the putative role of FNDC5/irisin pathway. <i>Journal of Neural Transmission</i> , 2020, 127, 355-370.	1.4	22
2026	Irisin in elderly people with hypertension, diabetes mellitus type 2, and overweight and obesity. <i>International Journal of Diabetes in Developing Countries</i> , 2020, 40, 196-202.	0.3	4

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2028	Grape pomace extract supplementation activates FNDC5/irisin in muscle and promotes white adipose browning in rats fed a high-fat diet. Food and Function, 2020, 11, 1537-1546.	2.1	23
2029	Inactivity and Skeletal Muscle Metabolism: A Vicious Cycle in Old Age. International Journal of Molecular Sciences, 2020, 21, 592.	1.8	59
2030	Hippocampal plasticity underpins long-term cognitive gains from resistance exercise in MCI. NeuroImage: Clinical, 2020, 25, 102182.	1.4	76
2031	Dietary polyphenols turn fat "brown": A narrative review of the possible mechanisms. Trends in Food Science and Technology, 2020, 97, 221-232.	7.8	27
2032	Positive effects of conjugated linoleic acid (CLA) on the PGC1- α expression under the inflammatory conditions induced by TNF- α in the C2C12 cell line. Gene, 2020, 735, 144394.	1.0	12
2033	Exercise-Released Myokines in the Control of Energy Metabolism. Frontiers in Physiology, 2020, 11, 91.	1.3	87
2034	Modulators of Fam210a and Roles of Fam210a in the Function of Myoblasts. Calcified Tissue International, 2020, 106, 533-540.	1.5	7
2035	Sarcopenic Obesity, Insulin Resistance, and Their Implications in Cardiovascular and Metabolic Consequences. International Journal of Molecular Sciences, 2020, 21, 494.	1.8	143
2036	Importance of adipocyte browning in the evolution of endothermy. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190134.	1.8	14
2037	Physical exercise rectifies CUMS-induced aberrant regional homogeneity in mice accompanied by the adjustment of skeletal muscle PGC-1 α /IDO1 signals and hippocampal function. Behavioural Brain Research, 2020, 383, 112516.	1.2	17
2038	Hepatic FNDC5 is a potential local protective factor against Non-Alcoholic Fatty Liver. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165705.	1.8	25
2039	The benefits of physical exercise for the health of the pancreatic β -cell: a review of the evidence. Experimental Physiology, 2020, 105, 579-589.	0.9	34
2040	Combined effect of canagliflozin and exercise training on high-fat diet-fed mice. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E492-E503.	1.8	15
2041	Irisin induces trophoblast differentiation via AMPK activation in the human placenta. Journal of Cellular Physiology, 2020, 235, 7146-7158.	2.0	20
2042	The roles of triiodothyronine and irisin in improving the lipid profile and directing the browning of human adipose subcutaneous cells. Molecular and Cellular Endocrinology, 2020, 506, 110744.	1.6	20
2043	Exercise-Induced Adaptations to Adipose Tissue Thermogenesis. Frontiers in Endocrinology, 2020, 11, 270.	1.5	46
2044	Cleavage of FNDC5 and insights into its maturation process. Molecular and Cellular Endocrinology, 2020, 510, 110840.	1.6	11

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2046	FNDC5 promotes paclitaxel sensitivity of non-small cell lung cancers via inhibiting MDR1. <i>Cellular Signalling</i> , 2020, 72, 109665.	1.7	17
2047	Allicin Regulates Energy Homeostasis through Brown Adipose Tissue. <i>IScience</i> , 2020, 23, 101113.	1.9	23
2048	Effects of whole-body cryotherapy on 25-hydroxyvitamin D, irisin, myostatin, and interleukin-6 levels in healthy young men of different fitness levels. <i>Scientific Reports</i> , 2020, 10, 6175.	1.6	17
2049	Irisin prevents dexamethasone-induced atrophy in C2C12 myotubes. <i>Pflugers Archiv European Journal of Physiology</i> , 2020, 472, 495-502.	1.3	33
2050	Exercise, redox system and neurodegenerative diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165778.	1.8	45
2051	Irisin is induced in renal ischemia-reperfusion to protect against tubular cell injury via suppressing p53. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165792.	1.8	15
2052	Is Exercise a Match for Cold Exposure? Common Molecular Framework for Adipose Tissue Browning. <i>International Journal of Sports Medicine</i> , 2020, 41, 427-442.	0.8	14
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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2326	Common single nucleotide polymorphisms in the FNDC5 gene and serum irisin levels in acute myocardial infarction. <i>Journal of Cellular Biochemistry</i> , 2021, 25, 528-535.		3
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2328	Physical exercise increases peripheral brain-derived neurotrophic factors in patients with cognitive impairment: A meta-analysis. <i>Restorative Neurology and Neuroscience</i> , 2021, 39, 159-171.	0.4	7
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2336	Muscle-secreted neurturin couples myofiber oxidative metabolism and slow motor neuron identity. <i>Cell Metabolism</i> , 2021, 33, 2215-2230.e8.	7.2	22
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2339	Role of Brown and Beige Adipose Tissues in Seasonal Adaptation in the Raccoon Dog (<i>Nyctereutes</i>) <i>Tj ETQq1 1 0.784314 rgBT /Overl</i>	1.8	4

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2341	Brown adipose tissue fat-fraction is associated with skeletal muscle adiposity. <i>European Journal of Applied Physiology</i> , 2022, 122, 81-90.	1.2	2
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2344	Blood-based protein biomarkers in bladder urothelial tumors. <i>Journal of Proteomics</i> , 2021, 247, 104329.	1.2	10
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2349	Irisin levels in the serum and cerebrospinal fluid of patients with multiple sclerosis and the expression and distribution of irisin in experimental autoimmune encephalomyelitis. <i>Clinical and Experimental Immunology</i> , 2021, 206, 208-215.	1.1	5
2350	Management of Oxidative Stress: Crosstalk Between Brown/Beige Adipose Tissues and Skeletal Muscles. <i>Frontiers in Physiology</i> , 2021, 12, 712372.	1.3	12
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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3033	Exercise hormone irisin prevents physical inactivity-induced cognitive decline in mice. <i>Behavioural Brain Research</i> , 2022, 433, 114008.	1.2	3
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3035	Antidepressant Effect of Intermittent Long-Term Systemic Administration of Irisin in Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7596.	1.8	11
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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