

Malgorzata Zendzian-Piotrowska

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85
papers

1,567
citations

22
h-index

35
g-index

93
ext. papers

1,781
ext. citations

4.1
avg, IF

4.63
L-index

#	Paper	IF	Citations
85	Relationship between insulin sensitivity and sphingomyelin signaling pathway in human skeletal muscle. <i>Diabetes</i> , 2004 , 53, 1215-21	0.9	200
84	Inhibition of ceramide de novo synthesis reduces liver lipid accumulation in rats with nonalcoholic fatty liver disease. <i>Liver International</i> , 2014 , 34, 1074-83	7.9	89
83	Intrathecal increase of sphingosine 1-phosphate at early stage multiple sclerosis. <i>Neuroscience Letters</i> , 2010 , 477, 149-52	3.3	57
82	Antibacterial activity of the human host defence peptide LL-37 and selected synthetic cationic lipids against bacteria associated with oral and upper respiratory tract infections. <i>Journal of Antimicrobial Chemotherapy</i> , 2013 , 68, 610-8	5.1	56
81	Oxidative Modification in the Salivary Glands of High Fat-Diet Induced Insulin Resistant Rats. <i>Frontiers in Physiology</i> , 2017 , 8, 20	4.6	50
80	High fat diet induces ceramide and sphingomyelin formation in rat's liver nuclei. <i>Molecular and Cellular Biochemistry</i> , 2010 , 340, 125-31	4.2	47
79	Fatty acid transporters involved in the palmitate and oleate induced insulin resistance in primary rat hepatocytes. <i>Acta Physiologica</i> , 2013 , 207, 346-57	5.6	44
78	Plasma gelsolin modulates cellular response to sphingosine 1-phosphate. <i>American Journal of Physiology - Cell Physiology</i> , 2010 , 299, C1516-23	5.4	44
77	Myocardial infarction differentially alters sphingolipid levels in plasma, erythrocytes and platelets of the rat. <i>Basic Research in Cardiology</i> , 2012 , 107, 294	11.8	43
76	Oxidative Damage to the Salivary Glands of Rats with Streptozotocin-Induced Diabetes-Temporal Study: Oxidative Stress and Diabetic Salivary Glands. <i>Journal of Diabetes Research</i> , 2016 , 2016, 4583742	3.9	39
75	Impact of morbid obesity and bariatric surgery on antioxidant/oxidant balance of the unstimulated and stimulated human saliva. <i>Journal of Oral Pathology and Medicine</i> , 2016 , 45, 455-64	3.3	39
74	Chronic high-protein diet induces oxidative stress and alters the salivary gland function in rats. <i>Archives of Oral Biology</i> , 2017 , 84, 6-12	2.8	35
73	Eight-Week Consumption of High-Sucrose Diet Has a Pro-Oxidant Effect and Alters the Function of the Salivary Glands of Rats. <i>Nutrients</i> , 2018 , 10,	6.7	33
72	Effect of N-Acetylcysteine on Antioxidant Defense, Oxidative Modification, and Salivary Gland Function in a Rat Model of Insulin Resistance. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 6581970	6.7	33
71	Inhibition of Ceramide De Novo Synthesis Ameliorates Diet Induced Skeletal Muscles Insulin Resistance. <i>Journal of Diabetes Research</i> , 2015 , 2015, 154762	3.9	32
70	Antioxidant profile of salivary glands in high fat diet-induced insulin resistance rats. <i>Oral Diseases</i> , 2014 , 20, 560-6	3.5	30
69	Metabolism, physiological role, and clinical implications of sphingolipids in gastrointestinal tract. <i>BioMed Research International</i> , 2013 , 2013, 908907	3	30

68	Effect of streptozotocin-diabetes on the functioning of the sphingomyelin-signalling pathway in skeletal muscles of the rat. <i>Hormone and Metabolic Research</i> , 2004 , 36, 14-21	3.1	30
67	The Impact of High-Fat Diet on Mitochondrial Function, Free Radical Production, and Nitrosative Stress in the Salivary Glands of Wistar Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 2606120	6.7	29
66	Inhibition of ceramide de novo synthesis with myriocin affects lipid metabolism in the liver of rats with streptozotocin-induced type 1 diabetes. <i>BioMed Research International</i> , 2014 , 2014, 980815	3	26
65	Salivary lipids: A review. <i>Advances in Clinical and Experimental Medicine</i> , 2017 , 26, 1021-1029	1.8	24
64	Not only accumulation, but also saturation status of intramuscular lipids is significantly affected by PPAR α activation. <i>Acta Physiologica</i> , 2012 , 205, 145-58	5.6	23
63	Sphingosine-1-Phosphate Metabolism and Its Role in the Development of Inflammatory Bowel Disease. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	22
62	Effect of endurance training on the phospholipid content of skeletal muscles in the rat. <i>European Journal of Applied Physiology</i> , 1999 , 79, 421-5	3.4	22
61	Insulin Resistance and Obesity Affect Lipid Profile in the Salivary Glands. <i>Journal of Diabetes Research</i> , 2016 , 2016, 8163474	3.9	21
60	Antioxidant Defense, Oxidative Modification, and Salivary Gland Function in an Early Phase of Cerulein Pancreatitis. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 8403578	6.7	20
59	High Protein Diet Induces Oxidative Stress in Rat Cerebral Cortex and Hypothalamus. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	19
58	Ceramide profiles in the brain of rats with diabetes induced by streptozotocin. <i>FEBS Journal</i> , 2012 , 279, 1943-52	5.7	18
57	The Effect of N-Acetylcysteine on Respiratory Enzymes, ADP/ATP Ratio, Glutathione Metabolism, and Nitrosative Stress in the Salivary Gland Mitochondria of Insulin Resistant Rats. <i>Nutrients</i> , 2020 , 12,	6.7	17
56	The Role of PGC-1 α in the Development of Insulin Resistance in Skeletal Muscle - Revisited. <i>Cellular Physiology and Biochemistry</i> , 2015 , 37, 2288-96	3.9	17
55	Challenging of AS160/TBC1D4 Alters Intracellular Lipid milieu in L6 Myotubes Incubated With Palmitate. <i>Journal of Cellular Physiology</i> , 2017 , 232, 2373-2386	7	16
54	Unexpected profile of sphingolipid contents in blood and bone marrow plasma collected from patients diagnosed with acute myeloid leukemia. <i>Lipids in Health and Disease</i> , 2017 , 16, 235	4.4	14
53	Myocardial infarction changes sphingolipid metabolism in the uninfarcted ventricular wall of the rat. <i>Lipids</i> , 2012 , 47, 847-53	1.6	14
52	Bariatric Surgery Normalizes Protein Glycoxydation and Nitrosative Stress in Morbidly Obese Patients. <i>Antioxidants</i> , 2020 , 9,	7.1	14
51	Impact of Weight Loss on the Total Antioxidant/Oxidant Potential in Patients with Morbid Obesity-A Longitudinal Study. <i>Antioxidants</i> , 2020 , 9,	7.1	13

50	Myriocin treatment affects lipid metabolism in skeletal muscles of rats with streptozotocin-induced type 1 diabetes. <i>Advances in Medical Sciences</i> , 2017 , 62, 65-73	2.8	12
49	The influence of physical exercise on the generation of TGF- β , PDGF-AA, and VEGF-A in adipose tissue. <i>European Journal of Applied Physiology</i> , 2011 , 111, 875-81	3.4	12
48	Activation of PPAR γ by bezafibrate negatively affects de novo synthesis of sphingolipids in regenerating rat liver. <i>Prostaglandins and Other Lipid Mediators</i> , 2010 , 93, 120-5	3.7	12
47	Concentration and composition of free ceramides in human plasma. <i>Hormone and Metabolic Research</i> , 2002 , 34, 466-8	3.1	12
46	Increased levels of sphingosine-1-phosphate in cerebrospinal fluid of patients diagnosed with tick-borne encephalitis. <i>Journal of Neuroinflammation</i> , 2014 , 11, 193	10.1	11
45	Partial hepatectomy activates production of the pro-mitotic intermediates of the sphingomyelin signal transduction pathway in the rat liver. <i>Prostaglandins and Other Lipid Mediators</i> , 2007 , 83, 277-84	3.7	11
44	Hyperthyroidism evokes myocardial ceramide accumulation. <i>Cellular Physiology and Biochemistry</i> , 2015 , 35, 755-66	3.9	10
43	A New Insight into Meloxicam: Assessment of Antioxidant and Anti-Glycating Activity in In Vitro Studies. <i>Pharmaceuticals</i> , 2020 , 13,	5.2	10
42	Cerulein-Induced Acute Pancreatitis Affects Sphingomyelin Signaling Pathway in Rats. <i>Pancreas</i> , 2018 , 47, 898-903	2.6	10
41	Lack of pronounced changes in the expression of fatty acid handling proteins in adipose tissue and plasma of morbidly obese humans. <i>Nutrition and Diabetes</i> , 2018 , 8, 3	4.7	9
40	Plasma Sphingolipids in Acute Pancreatitis. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	9
39	Sphingolipids metabolism in the salivary glands of rats with obesity and streptozotocin induced diabetes. <i>Journal of Cellular Physiology</i> , 2017 , 232, 2766-2775	7	8
38	Sphingolipid metabolism in colorectal adenomas varies depending on histological architecture of polyps and grade of nuclear dysplasia. <i>Lipids</i> , 2015 , 50, 349-58	1.6	8
37	A Pilot Study Evaluating the Prevalence of Cervical Spine Dysfunction Among Students of Dentistry at the Medical University. <i>Frontiers in Neurology</i> , 2020 , 11, 200	4.1	8
36	The Effects of AS160 Modulation on Fatty Acid Transporters Expression and Lipid Profile in L6 Myotubes. <i>Cellular Physiology and Biochemistry</i> , 2016 , 38, 267-82	3.9	8
35	The effect of high-fat diet on the sphingolipid pathway of signal transduction in regenerating rat liver. <i>Prostaglandins and Other Lipid Mediators</i> , 2010 , 93, 75-83	3.7	7
34	Diabetes affects phospholipid content in the nuclei of the rat liver. <i>Hormone and Metabolic Research</i> , 2000 , 32, 386-9	3.1	7
33	Effect of streptozotocin-induced diabetes on lipids metabolism in the salivary glands. <i>Prostaglandins and Other Lipid Mediators</i> , 2016 , 126, 9-15	3.7	6

32	Sphingolipid profiles are altered in prefrontal cortex of rats under acute hyperglycemia. <i>Neuroscience</i> , 2014 , 256, 282-91	3.9	6
31	Fiber specific changes in sphingolipid metabolism in skeletal muscles of hyperthyroid rats. <i>Lipids</i> , 2013 , 48, 697-704	1.6	6
30	Exercise differentially regulates renalase expression in skeletal muscle and kidney. <i>Tohoku Journal of Experimental Medicine</i> , 2013 , 231, 321-9	2.4	6
29	Effect of acute streptozotocin diabetes on fatty acid content and composition in different lipid fractions of rat skeletal muscle. <i>Hormone and Metabolic Research</i> , 1999 , 31, 252-6	3.1	6
28	Pleiotropic Properties of Valsartan: Do They Result from the Antiglycooxidant Activity? Literature Review and Study. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 5575545	6.7	6
27	NAC Supplementation of Hyperglycemic Rats Prevents the Development of Insulin Resistance and Improves Antioxidant Status but Only Alleviates General and Salivary Gland Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2020 , 2020, 8831855	6.7	5
26	Bezafibrate decreases growth stimulatory action of the sphingomyelin signaling pathway in regenerating rat liver. <i>Prostaglandins and Other Lipid Mediators</i> , 2008 , 85, 17-25	3.7	5
25	Training differentially regulates elastin level and proteolysis in skeletal and heart muscles and aorta in healthy rats. <i>Biology Open</i> , 2016 , 5, 556-62	2.2	5
24	Phloroglucinol prevents albumin glycation as well as diminishes ROS production, glycooxidative damage, nitrosative stress and inflammation in hepatocytes treated with high glucose. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 142, 111958	7.5	5
23	Effect of increased uptake of plasma fatty acids by the liver on lipid metabolism in the hepatocellular nuclei. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 1997 , 57, 27-31	2.8	4
22	Effect of sex and bezafibrate on incorporation of blood borne palmitate into lipids of rat liver nuclei. <i>Molecular and Cellular Biochemistry</i> , 2000 , 214, 57-62	4.2	4
21	The plasma borne free fatty acids rapidly enter the hepatocellular nuclei. <i>Life Sciences</i> , 1996 , 59, 2209-15.8	3.8	4
20	Antioxidant Barrier and Oxidative Damage to Proteins, Lipids, and DNA/RNA in Adrenal Tumor Patients. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 5543531	6.7	4
19	High-fat, high-protein, and high-carbohydrate diets affect sphingolipid profile in pancreatic steatosis in Wistar rats. <i>Nutrition</i> , 2019 , 60, 197-205	4.8	4
18	Changes in the Diaphragm Lipid Content after Administration of Streptozotocin and High-Fat Diet Regime. <i>Journal of Diabetes Research</i> , 2017 , 2017, 3437169	3.9	3
17	Short-term effects of electrically induced tachycardia on antioxidant defenses in the normal and hypertrophied rat left ventricle. <i>Journal of Physiological Sciences</i> , 2009 , 59, 199-206	2.3	3
16	Orally given nicotinamide inhibits the decreasing of glutathione content in the pancreas of streptozotocin diabetic rats. <i>Hormone and Metabolic Research</i> , 1996 , 28, 35-6	3.1	3
15	Metabolic adaptation to daily exercise of moderate intensity to exhaustion in the rat. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1993 , 67, 77-82		3

14	Effect of hyperglycaemia on muscle glycogen mobilization during muscle contractions in the rat. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1990 , 61, 408-12		3
13	Inequalities in breast cancer incidence and stage distribution between urban and rural female population in Wielkopolskie Province, Poland. <i>Annals of Agricultural and Environmental Medicine</i> , 2019 , 26, 159-164	1.4	3
12	Antioxidant and Antiglycation Properties of Seventeen Fruit Teas Obtained from One Manufacturer. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5195	2.6	3
11	Association of Tumour Microenvironment with Protein Glycooxidation, DNA Damage, and Nitrosative Stress in Colorectal Cancer. <i>Cancer Management and Research</i> , 2021 , 13, 6329-6348	3.6	3
10	Effect of Sleeve Gastrectomy on Proprotein Convertase Subtilisin/Kexin Type 9 (Pcsk9) Content and Lipid Metabolism in the Blood Plasma and Liver of Obese Wistar Rats. <i>Nutrients</i> , 2019 , 11,	6.7	2
9	Analysis of trace element content in hair of autistic children. <i>Journal of Elementology</i> , 2017 ,	1.3	2
8	Change in blood gelsolin concentration in response to physical exercise. <i>Biology of Sport</i> , 2013 , 30, 169-723		2
7	Evaluation of the Cervical Physiotherapeutic Treatment Needs, Work Ergonomics, and Necessity for Physical Activity Among Students of Dentistry at a Medical University. A Pilot Study. <i>Frontiers in Psychology</i> , 2020 , 11, 559657	3.4	2
6	Salivary Redox Biomarkers in Insulin Resistance: Preclinical Studies in an Animal Model. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 3734252	6.7	2
5	α-Lipoic Acid Reduces Ceramide Synthesis and Neuroinflammation in the Hypothalamus of Insulin-Resistant Rats, While in the Cerebral Cortex Diminishes the βAmyloid Accumulation.. <i>Journal of Inflammation Research</i> , 2022 , 15, 2295-2312	4.8	2
4	Impact of Acute Pancreatic Injury on Sphingolipid Metabolism in the Salivary Glands. <i>BioMed Research International</i> , 2020 , 2020, 6403482	3	0
3	Hypogelsolinemia and Decrease in Blood Plasma Sphingosine-1-Phosphate in Patients Diagnosed with Severe Acute Pancreatitis. <i>Digestive Diseases and Sciences</i> , 2021 , 1	4	0
2	-Lipoic Acid Strengthens the Antioxidant Barrier and Reduces Oxidative, Nitrosative, and Glycative Damage, as well as Inhibits Inflammation and Apoptosis in the Hypothalamus but Not in the Cerebral Cortex of Insulin-Resistant Rats.. <i>Oxidative Medicine and Cellular Longevity</i> , 2022 , 2022, 7450514	6.7	0
1	The influence of heavy physical effort on proteolytic adaptations in skeletal and heart muscle and aorta in rats. <i>Annals of Agricultural and Environmental Medicine</i> , 2018 , 25, 605-609	1.4	