

# Ewa Pruszyńska-Oszmalek

## List of Publications by Year in descending order

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Version: 2024-02-01

91  
papers

1,460  
citations

331670

21  
h-index

377865

34  
g-index

91  
all docs

91  
docs citations

91  
times ranked

1745  
citing authors

#	ARTICLE	IF	CITATIONS
1	Orexin A stimulates glucose uptake, lipid accumulation and adiponectin secretion from 3T3-L1 adipocytes and isolated primary rat adipocytes. <i>Diabetologia</i> , 2011, 54, 1841-1852.	6.3	82
2	Glucagon increases circulating fibroblast growth factor 21 independently of endogenous insulin levels: a novel mechanism of glucagon-stimulated lipolysis?. <i>Diabetologia</i> , 2013, 56, 588-597.	6.3	79
3	In ovo injection of prebiotics and synbiotics affects the digestive potency of the pancreas in growing chickens. <i>Poultry Science</i> , 2015, 94, 1909-1916.	3.4	75
4	The effect of microbial phytase and myo-inositol on performance and blood biochemistry of broiler chickens fed wheat/corn-based diets. <i>Poultry Science</i> , 2013, 92, 2124-2134.	3.4	71
5	Effects of high-fat diet-induced obesity and diabetes on Kiss1 and GPR54 expression in the hypothalamic-pituitary-gonadal (HPG) axis and peripheral organs (fat, pancreas and liver) in male rats. <i>Neuropeptides</i> , 2016, 56, 41-49.	2.2	61
6	Spexin: A novel regulator of adipogenesis and fat tissue metabolism. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 1228-1236.	2.4	58
7	<i>Tenebrio molitor</i> and <i>Zophobas morio</i> full-fat meals as functional feed additives affect broiler chickens' growth performance and immune system traits. <i>Poultry Science</i> , 2020, 99, 196-206.	3.4	58
8	A Mixed Mirror-image DNA/RNA Aptamer Inhibits Glucagon and Acutely Improves Glucose Tolerance in Models of Type 1 and Type 2 Diabetes. <i>Journal of Biological Chemistry</i> , 2013, 288, 21136-21147.	3.4	50
9	Effects of orexin A on proliferation, survival, apoptosis and differentiation of 3T3-L1 preadipocytes into mature adipocytes. <i>FEBS Letters</i> , 2012, 586, 4157-4164.	2.8	45
10	Replacement of soybean oil by <i>Hermetia illucens</i> fat in turkey nutrition: effect on performance, digestibility, microbial community, immune and physiological status and final product quality. <i>British Poultry Science</i> , 2020, 61, 294-302.	1.7	42
11	Spexin in the physiology of pancreatic islets: mutual interactions with insulin. <i>Endocrine</i> , 2019, 63, 513-519.	2.3	38
12	Genistein restricts leptin secretion from rat adipocytes. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2005, 96, 301-307.	2.5	37
13	Subacute ruminal acidosis affects fermentation and endotoxin concentration in the rumen and relative expression of the CD14/TLR4/MD2 genes involved in lipopolysaccharide systemic immune response in dairy cows. <i>Journal of Dairy Science</i> , 2018, 101, 1297-1310.	3.4	35
14	Kisspeptin-10 inhibits proliferation and regulates lipolysis and lipogenesis processes in 3T3-L1 cells and isolated rat adipocytes. <i>Endocrine</i> , 2017, 56, 54-64.	2.3	33
15	In Vivo and In Situ Action of Melatonin on Insulin Secretion and Some Metabolic Implications in the Rat. <i>Pancreas</i> , 2002, 25, 166-169.	1.1	32
16	Protein and folic acid content in the maternal diet determine lipid metabolism and response to high-fat feeding in rat progeny in an age-dependent manner. <i>Genes and Nutrition</i> , 2012, 7, 223-234.	2.5	30
17	30-Day spexin treatment of mice with diet-induced obesity (DIO) and type 2 diabetes (T2DM) increases insulin sensitivity, improves liver functions and metabolic status. <i>Molecular and Cellular Endocrinology</i> , 2021, 536, 111420.	3.2	30
18	Neuromedin U receptor 1 expression in the rat endocrine pancreas and evidence suggesting neuromedin U suppressive effect on insulin secretion from isolated rat pancreatic islets. <i>International Journal of Molecular Medicine</i> , 2006, 18, 951-5.	4.0	29

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19	Short-term administration of spexin in rats reduces obesity by affecting lipolysis and lipogenesis: An in vivo and in vitro study. <i>General and Comparative Endocrinology</i> , 2020, 299, 113615.	1.8	25
20	Neuropeptide B and W regulate leptin and resistin secretion, and stimulate lipolysis in isolated rat adipocytes. <i>Regulatory Peptides</i> , 2012, 176, 51-56.	1.9	24
21	Obestatin stimulates differentiation and regulates lipolysis and leptin secretion in rat preadipocytes. <i>Molecular Medicine Reports</i> , 2015, 12, 8169-8175.	2.4	22
22	The nisin improves broiler chicken growth performance and interacts with salinomycin in terms of gastrointestinal tract microbiota composition. <i>Journal of Animal and Feed Sciences</i> , 2016, 25, 309-316.	1.1	19
23	Nutrition modulates Fto and Irx3 gene transcript levels, but does not alter their DNA methylation profiles in rat white adipose tissues. <i>Gene</i> , 2017, 610, 44-48.	2.2	17
24	The physiological response of broiler chickens to the dietary supplementation of the bacteriocin nisin and ionophore coccidiostats. <i>Poultry Science</i> , 2017, 96, 4026-4037.	3.4	17
25	Long-term obestatin treatment of mice type 2 diabetes increases insulin sensitivity and improves liver function. <i>Endocrine</i> , 2017, 56, 538-550.	2.3	16
26	GLP1 and GIP are involved in the action of synbiotics in broiler chickens. <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 13.	5.3	16
27	The Role of Peptide Hormones Discovered in the 21st Century in the Regulation of Adipose Tissue Functions. <i>Genes</i> , 2021, 12, 756.	2.4	16
28	Orexin A but not orexin B regulates lipid metabolism and leptin secretion in isolated porcine adipocytes. <i>Domestic Animal Endocrinology</i> , 2018, 63, 59-68.	1.6	15
29	Interleukin 4 affects lipid metabolism and the expression of pro-inflammatory factors in mature rat adipocytes. <i>Immunobiology</i> , 2018, 223, 677-683.	1.9	15
30	Emulsifier and Xylanase Can Modulate the Gut Microbiota Activity of Broiler Chickens. <i>Animals</i> , 2020, 10, 2197.	2.3	15
31	Changes in obestatin gene and GPR39 receptor expression in peripheral tissues of rat models of obesity, type 1 and type 2 diabetes. <i>Journal of Diabetes</i> , 2017, 9, 353-361.	1.8	14
32	Effect of oat hay provision method on growth performance, rumen fermentation and blood metabolites of dairy calves during preweaning and postweaning periods. <i>Animal</i> , 2020, 14, 2054-2062.	3.3	14
33	Does Somatostatin Confer Insulinostatic Effects of Neuromedin U in the Rat Pancreas?. <i>Pancreas</i> , 2009, 38, 208-212.	1.1	13
34	Glucagon regulates orexin A secretion in humans and rodents. <i>Diabetologia</i> , 2014, 57, 2108-2116.	6.3	12
35	Angiotensin-converting enzyme inhibitors reduce oxidative stress intensity in hyperglycemic conditions in rats independently from bradykinin receptor inhibitors. <i>Croatian Medical Journal</i> , 2016, 57, 371-380.	0.7	12
36	Maternal protein and folic acid intake during gestation does not program leptin transcription or serum concentration in rat progeny. <i>Genes and Nutrition</i> , 2012, 7, 217-222.	2.5	11

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37	Association of cord blood ghrelin, leptin and insulin concentrations in term newborns with anthropometric parameters at birth. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2018, 31, 151-157.	0.9	11
38	Effects of Orchidectomy and Testosterone Replacement on Numbers of Kisspeptin, Neurokinin B, and Dynorphin A-immunoreactive Neurons in the Arcuate Nucleus of the Hypothalamus in Obese and Diabetic Rats. <i>Journal of Neuroendocrinology</i> , 2017, 29, .	2.6	10
39	The effect of transport on the quality of rabbit meat. <i>Animal Science Journal</i> , 2018, 89, 713-721.	1.4	10
40	Effect of Fasting on the Spexin System in Broiler Chickens. <i>Animals</i> , 2021, 11, 518.	2.3	10
41	Mealworm meal use in sea trout ( <i>Salmo trutta m. trutta</i> , L.) fingerling diets: effects on growth performance, histomorphology of the gastrointestinal tract and blood parameters. <i>Aquaculture Nutrition</i> , 2021, 27, 1512-1528.	2.7	10
42	Effects of short-term exposure to high-fat diet on histology of male and female gonads in rats. <i>Acta Histochemica</i> , 2020, 122, 151558.	1.8	10
43	Changes in the Content of Major Proteins and Selected Hormones in the Blood Serum of Piglets During the Early Postnatal Period. <i>Folia Biologica</i> , 2008, 57, 97-103.	0.5	10
44	Spexin Promotes the Proliferation and Differentiation of C2C12 Cells In Vitro – The Effect of Exercise on SPX and SPX Receptor Expression in Skeletal Muscle In Vivo. <i>Genes</i> , 2022, 13, 81.	2.4	10
45	High-fat diet and type 2 diabetes induced disruption of the oestrous cycle and alteration of hormonal profiles, but did not affect subpopulations of KNDy neurones in female rats. <i>Journal of Neuroendocrinology</i> , 2018, 30, e12651.	2.6	9
46	Neuromedin U receptor 1 expression in the rat endocrine pancreas and evidence suggesting neuromedin U suppressive effect on insulin secretion from isolated rat pancreatic islets. <i>International Journal of Molecular Medicine</i> , 2006, 18, 951.	4.0	8
47	Diet-induced variability of the resistin gene ( <i>Retn</i> ) transcript level and methylation profile in rats. <i>BMC Genetics</i> , 2015, 16, 113.	2.7	8
48	Resistin is produced by rat pancreatic islets and regulates insulin and glucagon secretion. <i>Islets</i> , 2016, 8, 177-185.	1.8	8
49	FGF-1 modulates pancreatic $\beta$ -cell functions/metabolism: An in vitro study. <i>General and Comparative Endocrinology</i> , 2020, 294, 113498.	1.8	8
50	Hormonal and metabolic effects of genistein and daidzein in male rat. <i>Journal of Animal and Feed Sciences</i> , 2003, 12, 839-847.	1.1	8
51	Regular cold water swimming during winter time affects resting hematological parameters and serum erythropoietin. <i>Journal of Physiology and Pharmacology</i> , 2019, 70, .	1.1	8
52	Effects of different starch sources on metabolic profile, production and fertility parameters in dairy cows. <i>Polish Journal of Veterinary Sciences</i> , 2011, 14, 55-64.	0.2	7
53	Relationship between pH of ruminal fluid during subacute ruminal acidosis and physiological response of the Polish Holstein-Friesian dairy cows. <i>Polish Journal of Veterinary Sciences</i> , 2017, 20, 551-558.	0.2	7
54	Effect of Two Different Stunning Methods on the Quality Traits of Rabbit Meat. <i>Animals</i> , 2020, 10, 700.	2.3	7

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55	Adropin Slightly Modulates Lipolysis, Lipogenesis and Expression of Adipokines but Not Glucose Uptake in Rodent Adipocytes. <i>Genes</i> , 2021, 12, 914.	2.4	7
56	Changes of agouti-related protein in hypothalamus, placenta, and serum during pregnancy in the rat. <i>Journal of Endocrinology</i> , 2009, 202, 35-41.	2.6	6
57	Growth Performance, Gut Environment and Physiology of the Gastrointestinal Tract in Weaned Piglets Fed a Diet Supplemented with Raw and Fermented Narrow-Leafed Lupine Seeds. <i>Animals</i> , 2020, 10, 2084.	2.3	6
58	Effects of Medicinal Plants and Organic Selenium against Ovine Haemonchosis. <i>Animals</i> , 2021, 11, 1319.	2.3	6
59	Changes in MOTS-c Level in the Blood of Pregnant Women with Metabolic Disorders. <i>Biology</i> , 2021, 10, 1032.	2.8	6
60	Changes in metabolic and hormonal profiles during transition period in dairy cattle – the role of spexin. <i>BMC Veterinary Research</i> , 2021, 17, 359.	1.9	6
61	Dietary energy density in the dry period on the metabolic status of lactating cows. <i>Polish Journal of Veterinary Sciences</i> , 2013, 16, 715-722.	0.2	5
62	The Effect of Body Condition Score on the Biochemical Blood Indices and Reproductive Performance of Dairy Cows. <i>Annals of Animal Science</i> , 2016, 16, 129-143.	1.6	5
63	Effects of Ovariectomy and Sex Hormone Replacement on Numbers of Kisspeptin-, Neurokinin B- and Dynorphin A-immunoreactive Neurons in the Arcuate Nucleus of the Hypothalamus in Obese and Diabetic Rats. <i>Neuroscience</i> , 2020, 451, 184-196.	2.3	5
64	Transcriptome Changes in Three Brain Regions during Chronic Lithium Administration in the Rat Models of Mania and Depression. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1148.	4.1	5
65	Serum spexin concentration, body condition score and markers of obesity in dogs. <i>Journal of Veterinary Internal Medicine</i> , 2021, 35, 397-404.	1.6	5
66	The effect of a phytoestrogen, genistein, on the hormonal and metabolic status of pregnant rats. <i>Journal of Animal and Feed Sciences</i> , 2006, 15, 275-286.	1.1	5
67	Allergic Inflammation Alters microRNA Expression Profile in Adipose Tissue in the Rat. <i>Genes</i> , 2020, 11, 1034.	2.4	4
68	Genes involved in glucocorticoid receptor signalling affect susceptibility to mood disorders. <i>World Journal of Biological Psychiatry</i> , 2021, 22, 149-160.	2.6	4
69	The Long-Term Effects of High-Fat and High-Protein Diets on the Metabolic and Endocrine Activity of Adipocytes in Rats. <i>Biology</i> , 2021, 10, 339.	2.8	4
70	Effects of the straw inclusion in the diet of dairy calves on growth performance, rumen fermentation, and blood metabolites during pre- and post-weaning periods. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2021, , .	2.2	4
71	Environmentally sustainable feeding system for sea trout ( <i>Salmo trutta m. trutta</i> ): Live food and insect meal-based diets in larval rearing. <i>Aquaculture Reports</i> , 2021, 21, 100795.	1.7	4
72	The Effects of Protease Supplementation and Faba Bean Extrusion on Growth, Gastrointestinal Tract Physiology and Selected Blood Indices of Weaned Pigs. <i>Animals</i> , 2022, 12, 563.	2.3	4

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73	Effect of ostarine (enobosarm/GTX024), a selective androgen receptor modulator, on adipocyte metabolism in Wistar rats. <i>Journal of Physiology and Pharmacology</i> , 2019, 70, .	1.1	4
74	May rye bread enriched with green tea extract be useful in the prevention of obesity in rats?. <i>Acta Alimentaria</i> , 2013, 42, 69-78.	0.7	3
75	Propylene Glycol and Maize Grain Supplementation Improve Fertility Parameters in Dairy Cows. <i>Animals</i> , 2020, 10, 2147.	2.3	3
76	Microbial Phytase Improves Performance and Bone Traits in Broilers Fed Diets Based on Soybean Meal and White Lupin ( <i>Lupinus albus</i> ) Meal. <i>Annals of Animal Science</i> , 2020, 20, 1379-1394.	1.6	3
77	Trabecular bone remodelling in the femur of C57BL/6J mice treated with diclofenac in combination with treadmill exercise. <i>Acta of Bioengineering and Biomechanics</i> , 2021, 23, .	0.4	3
78	Ostarine-Induced Myogenic Differentiation in C2C12, L6, and Rat Muscles. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4404.	4.1	3
79	Effects of Calcium Lactate-Enriched Pumpkin on Calcium Status in Ovariectomized Rats. <i>Foods</i> , 2022, 11, 2084.	4.3	3
80	Effect of restricted feeding in the far-off period on performance and metabolic status of dairy cows. <i>Annals of Animal Science</i> , 2014, 14, 89-100.	1.6	2
81	The effect of propylene glycol delivery method on blood metabolites in dairy cows. <i>Acta Veterinaria Brno</i> , 2020, 89, 19-29.	0.5	2
82	The Role of a High-Fat, High-Fructose Diet on Letrozole-Induced Polycystic Ovarian Syndrome in Prepubertal Mice. <i>Nutrients</i> , 2022, 14, 2478.	4.1	2
83	Expression of NR3C1, INSR and SLC2A4 genes in skeletal muscles and CBG in liver depends on age and breed of pigs. <i>Czech Journal of Animal Science</i> , 2019, 64, 343-351.	1.3	1
84	Effect of different pre-calving feeding strategies on the metabolic status and lactation performance of dairy cows. <i>Journal of Animal and Feed Sciences</i> , 2018, 27, 292-300.	1.1	1
85	Effect of Electrical and Mechanical Stunning on Rabbit Meat Quality Traits. <i>Annals of Animal Science</i> , 2020, 20, 709-724.	1.6	1
86	Trabecular bone remodelling in the femur of C57BL/6J mice treated with diclofenac in combination with treadmill exercise.. <i>Acta of Bioengineering and Biomechanics</i> , 2021, 23, 3-11.	0.4	1
87	The Level of Selected Hormones in Peripheral Blood in Female Polar Foxes ( <i>Alopex lagopus</i> L.) in Relation to Age. <i>Folia Biologica</i> , 2009, 57, 213-218.	0.5	0
88	Brain Transcriptome Changes During Lithium Administration in Rat Model of Depression. <i>Biological Psychiatry</i> , 2020, 87, S147-S148.	1.3	0
89	Analysis of microRNA expression profile in adipose tissue during allergic inflammation in the rat. , 2019, , .		0
90	Recovery from bone loss, diminished mineral density and strength in mice after treatment with steroidal and nonsteroidal anti-inflammatory drugs by injection of exosomes enriched with agomir miRNAs. <i>Journal of Medical Science</i> , 2019, 88, 261-266.	0.7	0

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91	Exogenous fibrolytic enzymes improve carbohydrate digestion in exercising horses. Journal of Animal and Feed Sciences, 2020, 29, 35-45.	1.1	0