

Agata Chmurzynska

List of Publications by Year in descending order

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Version: 2024-02-01

89
papers

1,708
citations

471509

17
h-index

302126

39
g-index

93
all docs

93
docs citations

93
times ranked

2619
citing authors

#	ARTICLE	IF	CITATIONS
1	The multigene family of fatty acid-binding proteins (FABPs): Function, structure and polymorphism. <i>Journal of Applied Genetics</i> , 2006, 47, 39-48.	1.9	584
2	Fetal programming: link between early nutrition, DNA methylation, and complex diseases. <i>Nutrition Reviews</i> , 2010, 68, 87-98.	5.8	174
3	Guide for Current Nutrigenetic, Nutrigenomic, and Nutriepigenetic Approaches for Precision Nutrition Involving the Prevention and Management of Chronic Diseases Associated with Obesity. <i>Journal of Nutrigenetics and Nutrigenomics</i> , 2017, 10, 43-62.	1.3	118
4	Weight loss and metabolic health effects from energy-restricted Mediterranean and Central-European diets in postmenopausal women: A randomized controlled trial. <i>Scientific Reports</i> , 2018, 8, 11170.	3.3	39
5	Short Communication: Effect of Leptin Gene Polymorphisms on Breeding Value for Milk Production Traits. <i>Journal of Dairy Science</i> , 2004, 87, 3925-3927.	3.4	35
6	Dietary, anthropometric, and biochemical factors influencing plasma choline, carnitine, trimethylamine, and trimethylamine- <i>N</i> -oxide concentrations. <i>International Journal of Food Sciences and Nutrition</i> , 2017, 68, 488-495.	2.8	32
7	Folate and choline absorption and uptake: Their role in fetal development. <i>Biochimie</i> , 2019, 158, 10-19.	2.6	32
8	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
9	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
10	Elderly women: Homocysteine reduction by short-term folic acid supplementation resulting in increased glucose concentrations and affecting lipid metabolism (C677T MTHFR polymorphism). <i>Nutrition</i> , 2013, 29, 841-844.	2.4	29
11	One-Carbon Metabolism and Nonalcoholic Fatty Liver Disease: The Crosstalk between Nutrients, Microbiota, and Genetics. <i>Lifestyle Genomics</i> , 2020, 13, 53-63.	1.7	29
12	Cytogenetic mapping of DGAT1, PPARA, ADIPOR1 and CREB genes in the pig. <i>Journal of Applied Genetics</i> , 2007, 48, 73-76.	1.9	28
13	Polymorphism of genes encoding homocysteine metabolism-related enzymes and risk for cardiovascular disease. <i>Nutrition Research</i> , 2009, 29, 685-695.	2.9	28
14	Low folate intake and serum levels are associated with higher body mass index and abdominal fat accumulation: a case control study. <i>Nutrition Journal</i> , 2020, 19, 53.	3.4	28
15	Transgenerational effects of prenatal restricted diet on gene expression and histone modifications in the rat. <i>PLoS ONE</i> , 2018, 13, e0193464.	2.5	23
16	TAS2R38 and CA6 genetic polymorphisms, frequency of bitter food intake, and blood biomarkers among elderly woman. <i>Appetite</i> , 2017, 116, 57-64.	3.7	22
17	Sex reversal syndrome (64,XY; SRY-positive) in a mare demonstrating masculine behaviour. <i>Journal of Animal Breeding and Genetics</i> , 2005, 122, 60-63.	2.0	19
18	Genetics of fat intake in the determination of body mass. <i>Nutrition Research Reviews</i> , 2017, 30, 106-117.	4.1	17

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19	Use of a Smartphone Application Can Improve Assessment of High-Fat Food Consumption in Overweight Individuals. <i>Nutrients</i> , 2018, 10, 1692.	4.1	17
20	Association of a New SNP in Promoter Region of the Porcine FABP3 Gene with Fatness Traits in a Polish Synthetic Line. <i>Animal Biotechnology</i> , 2007, 18, 37-44.	1.5	16
21	Cytogenetic mapping of eight genes encoding fatty acid binding proteins (FABPs) in the pig genome. <i>Cytogenetic and Genome Research</i> , 2007, 118, 63-66.	1.1	16
22	Prenatal caloric restriction alters lipid metabolism but not hepatic Fasn gene expression and methylation profiles in rats. <i>BMC Genetics</i> , 2017, 18, 78.	2.7	16
23	Mothers' cafeteria diet induced sex-specific changes in fat content, metabolic profiles, and inflammation outcomes in rat offspring. <i>Scientific Reports</i> , 2021, 11, 18573.	3.3	14
24	Polymorphism of intronic microsatellites in the <i>A-FABP</i> and <i>LEPR</i> genes and its association with productive traits in the pig. <i>Journal of Animal and Feed Sciences</i> , 2004, 13, 615-624.	1.1	14
25	The Effect of Habitual Fat Intake, IL6 Polymorphism, and Different Diet Strategies on Inflammation in Postmenopausal Women with Central Obesity. <i>Nutrients</i> , 2019, 11, 1557.	4.1	13
26	Dietary patterns associated with obesity and overweight: When should misreporters be included in analysis?. <i>Nutrition</i> , 2020, 70, 110605.	2.4	13
27	Polymorphism of CD36 Determines Fat Discrimination but Not Intake of High-Fat Food in 20- to 40-Year-Old Adults. <i>Journal of Nutrition</i> , 2020, 150, 2016-2022.	2.9	12
28	Inflammatory Potential of Diet Is Associated with Biomarkers Levels of Inflammation and Cognitive Function among Postmenopausal Women. <i>Nutrients</i> , 2021, 13, 2323.	4.1	12
29	The Central European diet as an alternative to the Mediterranean diet in atherosclerosis prevention in postmenopausal obese women with a high risk of metabolic syndrome - a randomized nutritional trial. <i>Acta Scientiarum Polonorum, Technologia Alimentaria</i> , 2018, 17, 399-407.	0.3	12
30	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
31	Ex vivo folate production by fecal bacteria does not predict human blood folate status: Associations between dietary patterns, gut microbiota, and folate metabolism. <i>Food Research International</i> , 2022, 156, 111290.	6.2	11
32	Chromosomal localization of nine porcine genes encoding transcription factors involved in adipogenesis. <i>Cytogenetic and Genome Research</i> , 2008, 121, 50-54.	1.1	10
33	Associations between Fatty Acid Intake and Status, Desaturase Activities, and FADS Gene Polymorphism in Centrally Obese Postmenopausal Polish Women. <i>Nutrients</i> , 2018, 10, 1068.	4.1	10
34	PPARG and FTO polymorphism can modulate the outcomes of a central European diet and a Mediterranean diet in centrally obese postmenopausal women. <i>Nutrition Research</i> , 2019, 69, 94-100.	2.9	10
35	Betaine Supplementation Moderately Increases Total Cholesterol Levels: A Systematic Review and Meta-Analysis. <i>Journal of Dietary Supplements</i> , 2021, 18, 105-117.	2.6	10
36	Folic Acid and Protein Content in Maternal Diet and Postnatal High-Fat Feeding Affect the Tissue Levels of Iron, Zinc, and Copper in the Rat. <i>Biological Trace Element Research</i> , 2011, 144, 885-893.	3.5	9

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37	Effect of rye bread enriched with tomato pomace on fat absorption and lipid metabolism in rats fed a high-fat diet. <i>Journal of the Science of Food and Agriculture</i> , 2015, 95, 1918-1924.	3.5	9
38	Folic Acid Affects Iron Status in Female Rats with Deficiency of These Micronutrients. <i>Biological Trace Element Research</i> , 2020, 195, 551-558.	3.5	9
39	Simultaneous supplementation with iron and folic acid can affect <i>Slc11a2</i> and <i>Slc46a1</i> transcription and metabolite concentrations in rats. <i>British Journal of Nutrition</i> , 2020, 123, 264-272.	2.3	9
40	Metabolic syndrome in postmenopausal women is associated with lower erythrocyte PUFA/MUFA and n-3/n-6 ratio: A case-control study. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2020, 159, 102155.	2.2	9
41	Mitochondrial DNA and Epigenetics: Investigating Interactions with the One-Carbon Metabolism in Obesity. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-12.	4.0	9
42	Human gut microbiota composition and its predicted functional properties in people with western and healthy dietary patterns. <i>European Journal of Nutrition</i> , 2022, 61, 3887-3903.	3.9	8
43	Associations of plasma betaine, plasma choline, choline intake, and <i>MTHFR</i> polymorphism (rs1801133) with anthropometric parameters of healthy adults are sex-dependent. <i>Journal of Human Nutrition and Dietetics</i> , 2022, 35, 701-712.	2.5	8
44	Homocysteine homeostasis in the rat is maintained by compensatory changes in cystathionine β -synthase, betaine-homocysteine methyltransferase, and phosphatidylethanolamine N-methyltransferase gene transcription occurring in response to maternal protein and folic acid intake during pregnancy and fat intake after weaning. <i>Nutrition Research</i> , 2011, 31, 572-578.	2.9	7
45	Caloric restriction can affect one-carbon metabolism during pregnancy in the rat: A transgenerational model. <i>Biochimie</i> , 2018, 152, 181-187.	2.6	7
46	Associations between folate and choline intake, homocysteine metabolism, and genetic polymorphism of <i>MTHFR</i> , <i>BHMT</i> and <i>PEMT</i> in healthy pregnant Polish women. <i>Nutrition and Dietetics</i> , 2020, 77, 368-372.	1.8	7
47	Human Serum Betaine and Associated Biomarker Concentrations Following a 14 Day Supplemental Betaine Loading Protocol and during a 28 Day Washout Period: A Pilot Investigation. <i>Nutrients</i> , 2022, 14, 498.	4.1	7
48	Snacking may improve dietary fiber density and is associated with a lower body mass index in postmenopausal women. <i>Nutrition</i> , 2021, 83, 111063.	2.4	6
49	Hedonic Hunger Is Associated with Intake of Certain High-Fat Food Types and BMI in 20- to 40-Year-Old Adults. <i>Journal of Nutrition</i> , 2021, 151, 820-825.	2.9	6
50	Comparison of Associations between One-Carbon Metabolism, Lipid Metabolism, and Fatty Liver Markers in Normal-Weight and Overweight People Aged 20-40 Years. <i>Annals of Nutrition and Metabolism</i> , 2021, 77, 221-230.	1.9	6
51	The Central European diet as an alternative to the Mediterranean diet in atherosclerosis prevention in postmenopausal obese women with a high risk of metabolic syndrome - a randomized nutritional trial [pdf]. <i>Acta Scientiarum Polonorum, Technologia Alimentaria</i> , 2018, 17, 399-407.	0.3	6
52	The State of Nutrigenomic Education in Poland. <i>Lifestyle Genomics</i> , 2018, 11, 90-98.	1.7	5
53	Hepatic DNA methylation and expression profiles under prenatal restricted diet in three generations of female rat fetuses. <i>PLoS ONE</i> , 2019, 14, e0215471.	2.5	5
54	Greater self-reported preference for fat taste and lower fat restraint are associated with more frequent intake of high-fat food. <i>Appetite</i> , 2021, 159, 105053.	3.7	5

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55	Effect of Iron and Folic Acid Supplementation on the Level of Essential and Toxic Elements in Young Women. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1360.	2.6	5
56	Identification of target sequences for association studies - analysis of the pig <i>FABP3</i> and <i>FABP4</i> loci using comparative genomics methods. <i>Journal of Animal and Feed Sciences</i> , 2008, 17, 191-201.	1.1	5
57	FADS1 and FADS2 polymorphism are associated with changes in fatty acid concentrations after calorie-restricted Central European and Mediterranean diets. <i>Menopause</i> , 2019, 26, 1415-1424.	2.0	4
58	Iron and Folic Acid Supplementation Affects Mineral Status in Female Rats with a Deficiency of These Micronutrients. <i>Biological Trace Element Research</i> , 2021, 199, 3393-3401.	3.5	4
59	Allergic Inflammation Alters microRNA Expression Profile in Adipose Tissue in the Rat. <i>Genes</i> , 2020, 11, 1034.	2.4	4
60	Coffee and tea choices and intake patterns in 20-to-40-year old adults. <i>Food Quality and Preference</i> , 2021, 90, 104115.	4.6	4
61	β -glucuronidase activity is associated with carbohydrate metabolism but not with androgen status in overweight and obese women with polycystic ovary syndrome. <i>Nutrition</i> , 2022, 97, 111606.	2.4	4
62	Lower plasma glutathione, choline, and betaine concentrations are associated with fatty liver in postmenopausal women. <i>Nutrition Research</i> , 2022, 101, 23-30.	2.9	4
63	Molecular evolution of the leptin exon 3 in some species of the family Canidae. <i>Genetics Selection Evolution</i> , 2003, 35, 573-80.	3.0	3
64	Determinants favoring weight regain after weight-loss therapy among postmenopausal women. <i>Scientific Reports</i> , 2020, 10, 17713.	3.3	3
65	Diet, Trimethylamine Metabolism, and Mitochondrial DNA: An Observational Study. <i>Molecular Nutrition and Food Research</i> , 2022, , 2200003.	3.3	3
66	PEMT rs12325817 and PCYT1A rs7639752 polymorphisms are associated with betaine but not choline concentrations in pregnant women. <i>Nutrition Research</i> , 2018, 56, 61-70.	2.9	2
67	Role of Slc19a1 and Tfr2 in liver transport of iron and folate: A rat model of folate/iron deficiency followed by supplementation. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020, 62, 126568.	3.0	2
68	Diet quality, anthropometrics, and gut microbiota composition in healthy adults. <i>Proceedings of the Nutrition Society</i> , 2020, 79, .	1.0	1
69	Associations between choline intake, body composition, lipid profile, and liver status in healthy adults. <i>Proceedings of the Nutrition Society</i> , 2020, 79, .	1.0	1
70	The effects of folate and iron deficiency followed by supplementation on blood morphology and inflammation biomarkers in rats. <i>Acta Scientiarum Polonorum, Technologia Alimentaria</i> , 2021, 20, 213-222.	0.3	1
71	Polymorphism of TAS2R3, TAS2R5, TAS2R19, and TAS2R50 genes and bitter food intake frequency in elderly woman [pdf]. <i>Acta Scientiarum Polonorum, Technologia Alimentaria</i> , 2020, 19, 109-122.	0.3	1
72	Effects of unextruded and extruded cranberry pomace on selected metabolic parameters in high-fat diet fed rats [pdf]. <i>Acta Scientiarum Polonorum, Technologia Alimentaria</i> , 2018, 17, 91-100.	0.3	1

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73	Effects of unextruded and extruded cranberry pomace on selected metabolic parameters in high-fat diet fed rats. <i>Acta Scientiarum Polonorum, Technologia Alimentaria</i> , 2018, 17, 91-100.	0.3	1
74	Polymorphism of TAS2R3, TAS2R5, TAS2R19, and TAS2R50 genes and bitter food intake frequency in elderly woman. <i>Acta Scientiarum Polonorum, Technologia Alimentaria</i> , 2020, 19, 109-122.	0.3	1
75	Coffee and nonalcoholic fatty liver disease: A review. <i>Acta Scientiarum Polonorum, Technologia Alimentaria</i> , 2020, 19, 245-254.	0.3	1
76	The Association between Fat Taste Sensitivity, Eating Habits, and Metabolic Health in Menopausal Women. <i>Nutrients</i> , 2021, 13, 4506.	4.1	1
77	Protein- and cysteine-deficient diet of the dam influences growth patterns and methylation of the PPAR α gene in rat offspring. <i>Journal of Applied Animal Research</i> , 2011, 39, 41-43.	1.2	0
78	Author response. <i>Nutrition</i> , 2013, 29, 1171-1172.	2.4	0
79	Metabolic response to dietary supplementation with iron and folic acid in the rat. <i>Proceedings of the Nutrition Society</i> , 2020, 79, .	1.0	0
80	Fatty Acid and Liver Status in Postmenopausal Women With and Without Metabolic Syndrome. <i>Proceedings of the Nutrition Society</i> , 2020, 79, .	1.0	0
81	Associations between B vitamin and amino acid intake, MTHFR genotype, atherogenic indices, and homocysteine levels in postmenopausal women. <i>Proceedings of the Nutrition Society</i> , 2020, 79, .	1.0	0
82	Associations between folate intake, body composition, and liver status in healthy adults. <i>Proceedings of the Nutrition Society</i> , 2020, 79, .	1.0	0
83	Effect of Maternal Nonalcoholic Fatty Liver Disease and Dietary Choline Status on Body Mass and Lipid Profile in Rat Offspring. <i>Proceedings of the Nutrition Society</i> , 2020, 79, .	1.0	0
84	Fatty acid sensitivity, intake of high-fat foods, gene polymorphism, and body mass. <i>Proceedings of the Nutrition Society</i> , 2020, 79, .	1.0	0
85	The effects of folate and iron deficiency followed by supplementation on blood morphology and inflammation biomarkers in rats [pdf]. <i>Acta Scientiarum Polonorum, Technologia Alimentaria</i> , 2021, 20, 213-222.	0.3	0
86	Polymorphism of the pig LMX1A gene, localized within the FAT1 region, is not associated with growth and fatness. <i>Journal of Animal and Feed Sciences</i> , 2010, 19, 564-569.	1.1	0
87	Rs6586282 of the CBS Gene: Its Lack of Effect on Homocysteine Concentrations, and Interaction Effects on Body Weight in Elderly Women. <i>International Journal for Vitamin and Nutrition Research</i> , 2016, 86, 235-241.	1.5	0
88	Energy-restricted Central-European diet stimulates liver microsomal function in obese postmenopausal women - a randomized nutritional trial with a comparison to energy-restricted Mediterranean diet. <i>European Review for Medical and Pharmacological Sciences</i> , 2020, 24, 11165-11171.	0.7	0
89	Functional single nucleotide polymorphism (rs762551) in CYP1A2 gene affects white coffee intake in healthy 20-40 years old adults. <i>Nutrition Research</i> , 2022, , .	2.9	0