

# Marie A Caudill

## List of Publications by Year in descending order

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142  
papers

6,499  
citations

66315

42  
h-index

79644

73  
g-index

145  
all docs

145  
docs citations

145  
times ranked

7453  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomarkers of Nutrition for Developmentâ€™ Folate Review. <i>Journal of Nutrition</i> , 2015, 145, 1636S-1680S.	1.3	570
2	Elevation in S-Adenosylhomocysteine and DNA Hypomethylation: Potential Epigenetic Mechanism for Homocysteine-Related Pathology. <i>Journal of Nutrition</i> , 2002, 132, 2361S-2366S.	1.3	304
3	Trimethylamineâ€‹N</i>â€‹oxide (TMAO) response to animal source foods varies among healthy young men and is influenced by their gut microbiota composition: A randomized controlled trial. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600324.	1.5	272
4	Intracellular S-Adenosylhomocysteine Concentrations Predict Global DNA Hypomethylation in Tissues of Methyl-Deficient Cystathionine Î²-Synthase Heterozygous Mice. <i>Journal of Nutrition</i> , 2001, 131, 2811-2818.	1.3	271
5	Plasma Choline Metabolites and Colorectal Cancer Risk in the Women's Health Initiative Observational Study. <i>Cancer Research</i> , 2014, 74, 7442-7452.	0.4	198
6	Maternal choline intake alters the epigenetic state of fetal cortisolâ€‹regulating genes in humans. <i>FASEB Journal</i> , 2012, 26, 3563-3574.	0.2	185
7	Trimethylamine- N -Oxide: Friend, Foe, or Simply Caught in the Cross-Fire?. <i>Trends in Endocrinology and Metabolism</i> , 2017, 28, 121-130.	3.1	149
8	Maternal choline intake modulates maternal and fetal biomarkers of choline metabolism in humans. <i>American Journal of Clinical Nutrition</i> , 2012, 95, 1060-1071.	2.2	140
9	Pre- and Postnatal Health: Evidence of Increased Choline Needs. <i>Journal of the American Dietetic Association</i> , 2010, 110, 1198-1206.	1.3	127
10	Maternal choline supplementation during the third trimester of pregnancy improves infant information processing speed: a randomized, doubleâ€‹blind, controlled feeding study. <i>FASEB Journal</i> , 2018, 32, 2172-2180.	0.2	125
11	High folic acid consumption leads to pseudo-MTHFR deficiency, altered lipid metabolism, and liver injury in mice. <i>American Journal of Clinical Nutrition</i> , 2015, 101, 646-658.	2.2	120
12	Genetic and Epigenetic Contributions to Human Nutrition and Health: Managing Genomeâ€‹Diet Interactions. <i>Journal of the American Dietetic Association</i> , 2008, 108, 1480-1487.	1.3	90
13	Choline. <i>Nutrition Today</i> , 2018, 53, 240-253.	0.6	89
14	Steatosis in Mice Is Associated with Gender, Folate Intake, and Expression of Genes of One-Carbon Metabolism. <i>Journal of Nutrition</i> , 2010, 140, 1736-1741.	1.3	88
15	Maternal choline supplementation: a nutritional approach for improving offspring health?. <i>Trends in Endocrinology and Metabolism</i> , 2014, 25, 263-273.	3.1	87
16	Pregnancy alters choline dynamics: results of a randomized trial using stable isotope methodology in pregnant and nonpregnant women. <i>American Journal of Clinical Nutrition</i> , 2013, 98, 1459-1467.	2.2	85
17	MTHFR deficiency or reduced intake of folate or choline in pregnant mice results in impaired short-term memory and increased apoptosis in the hippocampus of wild-type offspring. <i>Neuroscience</i> , 2015, 300, 1-9.	1.1	84
18	Methylenetetrahydrofolate Reductase 677Câ†T Variant Modulates Folate Status Response to Controlled Folate Intakes in Young Women. <i>Journal of Nutrition</i> , 2003, 133, 1272-1280.	1.3	77

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19	A higher maternal choline intake among third-trimester pregnant women lowers placental and circulating concentrations of the antiangiogenic factor fms-like tyrosine kinase-1 (sFLT1). <i>FASEB Journal</i> , 2013, 27, 1245-1253.	0.2	77
20	Heterogeneity in the prevalence of methylenetetrahydrofolate reductase gene polymorphisms in women of different ethnic groups. <i>Journal of the American Dietetic Association</i> , 2003, 103, 200-207.	1.3	72
21	MTHFR C677T genotype influences the isotopic enrichment of one-carbon metabolites in folate-compromised men consuming d9-choline. <i>American Journal of Clinical Nutrition</i> , 2011, 93, 348-355.	2.2	72
22	Intake of up to 3 Eggs/Day Increases HDL Cholesterol and Plasma Choline While Plasma Trimethylamine N-oxide is Unchanged in a Healthy Population. <i>Lipids</i> , 2017, 52, 255-263.	0.7	72
23	Choline: Exploring the Growing Science on Its Benefits for Moms and Babies. <i>Nutrients</i> , 2019, 11, 1823.	1.7	72
24	DNA Methylation, Genomic Silencing, and Links to Nutrition and Cancer. <i>Nutrition Reviews</i> , 2005, 63, 183-195.	2.6	69
25	Folate bioavailability: implications for establishing dietary recommendations and optimizing status. <i>American Journal of Clinical Nutrition</i> , 2010, 91, 1455S-1460S.	2.2	68
26	Biomarkers of inflammation are associated with colorectal cancer risk in women but are not suitable as early detection markers. <i>International Journal of Cancer</i> , 2013, 132, 2648-2658.	2.3	68
27	Folate Status Response to Controlled Folate Intake in Pregnant Women. <i>Journal of Nutrition</i> , 1997, 127, 2363-2370.	1.3	61
28	High dietary folate in pregnant mice leads to pseudo-MTHFR deficiency and altered methyl metabolism, with embryonic growth delay and short-term memory impairment in offspring. <i>Human Molecular Genetics</i> , 2017, 26, ddx004.	1.4	61
29	Folate Catabolism in Pregnant and Nonpregnant Women with Controlled Folate Intakes. <i>Journal of Nutrition</i> , 1998, 128, 204-208.	1.3	58
30	Severe methylenetetrahydrofolate reductase deficiency in mice results in behavioral anomalies with morphological and biochemical changes in hippocampus. <i>Molecular Genetics and Metabolism</i> , 2012, 106, 149-159.	0.5	57
31	Folate Intake, Mthfr Genotype, and Sex Modulate Choline Metabolism in Mice. <i>Journal of Nutrition</i> , 2011, 141, 1475-1481.	1.3	54
32	Choline. <i>Advances in Nutrition</i> , 2018, 9, 58-60.	2.9	52
33	The methylenetetrahydrofolate reductase 677TT genotype and folate intake interact to lower global leukocyte DNA methylation in young Mexican American women. <i>Nutrition Research</i> , 2007, 27, 13-17.	1.3	50
34	Folate Status in Women of Childbearing Age Residing in Southern California after Folic Acid Fortification. <i>Journal of the American College of Nutrition</i> , 2001, 20, 129-134.	1.1	49
35	Choline status is not a reliable indicator of moderate changes in dietary choline consumption in premenopausal women. <i>Journal of Nutritional Biochemistry</i> , 2009, 20, 62-69.	1.9	49
36	Folate intake and the MTHFR C677T genotype influence choline status in young Mexican American women. <i>Journal of Nutritional Biochemistry</i> , 2008, 19, 158-165.	1.9	48

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37	Choline intakes exceeding recommendations during human lactation improve breast milk choline content by increasing PEMT pathway metabolites. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 903-911.	1.9	48
38	Maternal Choline Supplementation: A Potential Prenatal Treatment for Down Syndrome and Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2015, 13, 97-106.	0.7	47
39	Genetic Variation in Choline-Metabolizing Enzymes Alters Choline Metabolism in Young Women Consuming Choline Intakes Meeting Current Recommendations. <i>International Journal of Molecular Sciences</i> , 2017, 18, 252.	1.8	47
40	Dietary folate, but not choline, modifies neural tube defect risk in Shmt1 knockout mice. <i>American Journal of Clinical Nutrition</i> , 2012, 95, 109-114.	2.2	46
41	Low dietary choline and low dietary riboflavin during pregnancy influence reproductive outcomes and heart development in mice. <i>American Journal of Clinical Nutrition</i> , 2010, 91, 1035-1043.	2.2	45
42	Folate-status response to a controlled folate intake in nonpregnant, pregnant, and lactating women. <i>American Journal of Clinical Nutrition</i> , 2012, 96, 789-800.	2.2	45
43	Folate Intake at RDA Levels Is Inadequate for Mexican American Men with the Methylenetetrahydrofolate Reductase 677TT Genotype3. <i>Journal of Nutrition</i> , 2008, 138, 67-72.	1.3	44
44	The metabolic fate of isotopically labeled trimethylamine- N -oxide (TMAO) in humans. <i>Journal of Nutritional Biochemistry</i> , 2017, 45, 77-82.	1.9	43
45	Choline prevents fetal overgrowth and normalizes placental fatty acid and glucose metabolism in a mouse model of maternal obesity. <i>Journal of Nutritional Biochemistry</i> , 2017, 49, 80-88.	1.9	43
46	Genetic impairments in folate enzymes increase dependence on dietary choline for phosphatidylcholine production at the expense of betaine synthesis. <i>FASEB Journal</i> , 2016, 30, 3321-3333.	0.2	41
47	Choline Intake Exceeding Current Dietary Recommendations Preserves Markers of Cellular Methylation in a Genetic Subgroup of Folate-Compromised Men. <i>Journal of Nutrition</i> , 2010, 140, 975-980.	1.3	40
48	A Long-Term Controlled Folate Feeding Study in Young Women Supports the Validity of the 1.7 Multiplier in the Dietary Folate Equivalency Equation. <i>Journal of Nutrition</i> , 2005, 135, 1139-1145.	1.3	39
49	Folate-mediated one-carbon metabolism genes and interactions with nutritional factors on colorectal cancer risk: Women's Health Initiative Observational Study. <i>Cancer</i> , 2015, 121, 3684-3691.	2.0	38
50	Effect of Choline Forms and Gut Microbiota Composition on Trimethylamine-N-Oxide Response in Healthy Men. <i>Nutrients</i> , 2020, 12, 2220.	1.7	38
51	Adequate Intake levels of choline are sufficient for preventing elevations in serum markers of liver dysfunction in Mexican American men but are not optimal for minimizing plasma total homocysteine increases after a methionine load. <i>American Journal of Clinical Nutrition</i> , 2008, 88, 685-692.	2.2	37
52	A UV-responsive Internal Ribosome Entry Site Enhances Serine Hydroxymethyltransferase 1 Expression for DNA Damage Repair. <i>Journal of Biological Chemistry</i> , 2009, 284, 31097-31108.	1.6	37
53	Impact of folic acid fortification on global DNA methylation and one-carbon biomarkers in the Women's Health Initiative Observational Study cohort. <i>Epigenetics</i> , 2014, 9, 396-403.	1.3	37
54	Maternal Choline Supplementation Modulates Placental Nutrient Transport and Metabolism in Late Gestation of Mouse Pregnancy. <i>Journal of Nutrition</i> , 2017, 147, 2083-2092.	1.3	37

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55	Genetic Variants in Phosphatidylethanolamine N-methyltransferase and Methylenetetrahydrofolate Dehydrogenase Influence Biomarkers of Choline Metabolism When Folate Intake Is Restricted. <i>Journal of the American Dietetic Association</i> , 2009, 109, 313-318.	1.3	36
56	Common Genetic Variants Alter Metabolism and Influence Dietary Choline Requirements. <i>Nutrients</i> , 2017, 9, 837.	1.7	35
57	Mild Methylenetetrahydrofolate Reductase Deficiency Alters Inflammatory and Lipid Pathways in Liver. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1801001.	1.5	35
58	Ethnicity and Race Influence the Folate Status Response to Controlled Folate Intakes in Young Women. <i>Journal of Nutrition</i> , 2004, 134, 1786-1792.	1.3	34
59	Maternal choline supplementation during murine pregnancy modulates placental markers of inflammation, apoptosis and vascularization in a fetal sex-dependent manner. <i>Placenta</i> , 2017, 53, 57-65.	0.7	34
60	Compared to an Oatmeal Breakfast, Two Eggs/Day Increased Plasma Carotenoids and Choline without Increasing Trimethyl Amine-N-Oxide Concentrations. <i>Journal of the American College of Nutrition</i> , 2018, 37, 140-148.	1.1	34
61	Maternal Choline Status, but Not Fetal Genotype, Influences Cord Plasma Choline Metabolite Concentrations. <i>Journal of Nutrition</i> , 2015, 145, 1491-1497.	1.3	33
62	Effects of Egg Consumption and Choline Supplementation on Plasma Choline and Trimethylamine-N-Oxide in a Young Population. <i>Journal of the American College of Nutrition</i> , 2018, 37, 716-723.	1.1	33
63	Kinetics of Folate Turnover in Pregnant Women (Second Trimester) and Nonpregnant Controls during Folic Acid Supplementation: Stable-Isotopic Labeling of Plasma Folate, Urinary Folate and Folate Catabolites Shows Subtle Effects of Pregnancy on Turnover of Folate Pools. <i>Journal of Nutrition</i> , 2001, 131, 1928-1937.	1.3	32
64	Choline intake influences phosphatidylcholine DHA enrichment in nonpregnant women but not in pregnant women in the third trimester. <i>American Journal of Clinical Nutrition</i> , 2013, 97, 718-727.	2.2	32
65	Vitamin B-12 Status Differs among Pregnant, Lactating, and Control Women with Equivalent Nutrient Intakes. <i>Journal of Nutrition</i> , 2015, 145, 1507-1514.	1.3	32
66	Formate metabolism in fetal and neonatal sheep. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 308, E921-E927.	1.8	32
67	DNA methylation, genomic silencing, and links to nutrition and cancer. <i>Nutrition Reviews</i> , 2005, 63, 183-95.	2.6	32
68	Moderate folic acid supplementation and MTHFD1-synthetase deficiency in mice, a model for the R653Q variant, result in embryonic defects and abnormal placental development. <i>American Journal of Clinical Nutrition</i> , 2016, 104, 1459-1469.	2.2	31
69	Placental vitamin D metabolism and its associations with circulating vitamin D metabolites in pregnant women. <i>American Journal of Clinical Nutrition</i> , 2017, 106, 1439-1448.	2.2	31
70	Mouse model for deficiency of methionine synthase reductase exhibits short-term memory impairment and disturbances in brain choline metabolism. <i>Biochemical Journal</i> , 2014, 461, 205-212.	1.7	30
71	Choline Inadequacy Impairs Trophoblast Function and Vascularization in Cultured Human Placental Trophoblasts. <i>Journal of Cellular Physiology</i> , 2014, 229, 1016-1027.	2.0	30
72	Pregnancy and Lactation Alter Biomarkers of Biotin Metabolism in Women Consuming a Controlled Diet. <i>Journal of Nutrition</i> , 2014, 144, 1977-1984.	1.3	29

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73	Maternal betaine supplementation affects fetal growth and lipid metabolism of high-fat fed mice in a temporal-specific manner. <i>Nutrition and Diabetes</i> , 2018, 8, 41.	1.5	29
74	Increased homocysteine levels impair reference memory and reduce cortical levels of acetylcholine in a mouse model of vascular cognitive impairment. <i>Behavioural Brain Research</i> , 2017, 321, 201-208.	1.2	28
75	Perinatal Dietary Choline Deficiency in Sows Influences Concentrations of Choline Metabolites, Fatty Acids, and Amino Acids in Milk throughout Lactation. <i>Journal of Nutrition</i> , 2016, 146, 2216-2223.	1.3	27
76	Maternal obesity disrupts the methionine cycle in baboon pregnancy. <i>Physiological Reports</i> , 2015, 3, e12564.	0.7	26
77	Vitamin D Metabolism Varies among Women in Different Reproductive States Consuming the Same Intakes of Vitamin D and Related Nutrients. <i>Journal of Nutrition</i> , 2016, 146, 1537-1545.	1.3	26
78	Additional food folate derived exclusively from natural sources improves folate status in young women with the MTHFR 677 CC or TT genotype. <i>Journal of Nutritional Biochemistry</i> , 2006, 17, 728-734.	1.9	25
79	Choline Supplementation Normalizes Fetal Adiposity and Reduces Lipogenic Gene Expression in a Mouse Model of Maternal Obesity. <i>Nutrients</i> , 2017, 9, 899.	1.7	25
80	The Role of Folate in Reducing Chronic and Developmental Disease Risk: An Overview. <i>Journal of Food Science</i> , 2004, 69, SNQ55-SNQ67.	1.5	24
81	Global Leukocyte DNA Methylation is Similar in African American and Caucasian Women Under Conditions of Controlled Folate Intake. <i>Epigenetics</i> , 2007, 2, 66-68.	1.3	24
82	Personalized Nutrition: Nutritional Genomics as a Potential Tool for Targeted Medical Nutrition Therapy. <i>Nutrition Reviews</i> , 2007, 65, 301-315.	2.6	24
83	Maternal Choline Supplementation during Normal Murine Pregnancy Alters the Placental Epigenome: Results of an Exploratory Study. <i>Nutrients</i> , 2018, 10, 417.	1.7	24
84	Choline: The Neurocognitive Essential Nutrient of Interest to Obstetricians and Gynecologists. <i>Journal of Dietary Supplements</i> , 2020, 17, 733-752.	1.4	24
85	Maternal Choline Supplementation Alters Fetal Growth Patterns in a Mouse Model of Placental Insufficiency. <i>Nutrients</i> , 2017, 9, 765.	1.7	22
86	Maternal choline supplementation programs greater activity of the phosphatidylethanolamine N-methyltransferase (PEMT) pathway in adult Ts65Dn trisomic mice. <i>FASEB Journal</i> , 2014, 28, 4312-4323.	0.2	21
87	Association between one-carbon metabolism indices and DNA methylation status in maternal and cord blood. <i>Scientific Reports</i> , 2018, 8, 16873.	1.6	21
88	Plasma Homocyst(e)ine Concentrations in Pregnant and Nonpregnant Women With Controlled Folate Intake. <i>Obstetrics and Gynecology</i> , 1998, 92, 167-170.	1.2	20
89	Moderate Folic Acid Supplementation in Pregnant Mice Results in Behavioral Alterations in Offspring with Sex-Specific Changes in Methyl Metabolism. <i>Nutrients</i> , 2020, 12, 1716.	1.7	20
90	Reduced MTHFD1 Activity in Male Mice Perturbs Folate- and Choline-Dependent One-Carbon Metabolism as Well as Transsulfuration. <i>Journal of Nutrition</i> , 2013, 143, 41-45.	1.3	19

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91	Prenatal choline supplementation improves child sustained attention: A 7-year follow-up of a randomized controlled feeding trial. <i>FASEB Journal</i> , 2022, 36, e22054.	0.2	19
92	Choline. <i>Advances in Nutrition</i> , 2010, 1, 46-48.	2.9	18
93	Egg n-3 Fatty Acid Composition Modulates Biomarkers of Choline Metabolism in Free-Living Lacto-Ovo-Vegetarian Women of Reproductive Age. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2014, 114, 1594-1600.	0.4	17
94	Sex-Specific Associations between One-Carbon Metabolism Indices and Posttranslational Histone Modifications in Arsenic-Exposed Bangladeshi Adults. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2017, 26, 261-269.	1.1	17
95	Fetal one-carbon nutrient concentrations may be affected by gestational diabetes. <i>Nutrition Research</i> , 2018, 55, 57-64.	1.3	17
96	Vitamin D binding protein rs7041 genotype alters vitamin D metabolism in pregnant women. <i>FASEB Journal</i> , 2018, 32, 2012-2020.	0.2	17
97	Choline Intake as Supplement or as a Component of Eggs Increases Plasma Choline and Reduces Interleukin-6 without Modifying Plasma Cholesterol in Participants with Metabolic Syndrome. <i>Nutrients</i> , 2020, 12, 3120.	1.7	17
98	Choline Intake, Plasma Riboflavin, and the Phosphatidylethanolamine N-Methyltransferase G5465A Genotype Predict Plasma Homocysteine in Folate-Deplete Mexican-American Men with the Methylene tetrahydrofolate Reductase 677TT Genotype. <i>Journal of Nutrition</i> , 2009, 139, 727-733.	1.3	16
99	Maternal Choline Supplementation Modulates Placental Markers of Inflammation, Angiogenesis, and Apoptosis in a Mouse Model of Placental Insufficiency. <i>Nutrients</i> , 2019, 11, 374.	1.7	16
100	The Glycine N-Methyltransferase (GNMT) 1289 C3T Variant Influences Plasma Total Homocysteine Concentrations in Young Women after Restricting Folate Intake. <i>Journal of Nutrition</i> , 2005, 135, 2780-2785.	1.3	15
101	Transgene-induced CCWGG methylation does not alter CG methylation patterning in human kidney cells. <i>Nucleic Acids Research</i> , 2005, 33, 6124-6136.	6.5	15
102	Choline Supplementation Prevents a Hallmark Disturbance of Kwashiorkor in Weanling Mice Fed a Maize Vegetable Diet: Hepatic Steatosis of Undernutrition. <i>Nutrients</i> , 2018, 10, 653.	1.7	15
103	Early Manifestations of Brain Aging in Mice Due to Low Dietary Folate and Mild MTHFR Deficiency. <i>Molecular Neurobiology</i> , 2019, 56, 4175-4191.	1.9	15
104	Ethnicity and Folate Influence Choline Status in Young Women Consuming Controlled Nutrient Intakes. <i>Journal of the American College of Nutrition</i> , 2008, 27, 253-259.	1.1	14
105	Supplementation with Folic Acid, but Not Creatine, Increases Plasma Betaine, Decreases Plasma Dimethylglycine, and Prevents a Decrease in Plasma Choline in Arsenic-Exposed Bangladeshi Adults. <i>Journal of Nutrition</i> , 2016, 146, 1062-1067.	1.3	14
106	Maternal vitamin D biomarkers are associated with maternal and fetal bone turnover among pregnant women consuming controlled amounts of vitamin D, calcium, and phosphorus. <i>Bone</i> , 2017, 95, 183-191.	1.4	14
107	Maternal and Cord Blood Folate Concentrations Are Inversely Associated with Fetal DNA Hydroxymethylation, but Not DNA Methylation, in a Cohort of Pregnant Canadian Women. <i>Journal of Nutrition</i> , 2020, 150, 202-211.	1.3	14
108	Maternal Choline Intake Programs Hypothalamic Energy Regulation and Later-Life Phenotype of Male Wistar Rat Offspring. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e1901178.	1.5	14

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109	Choline and Folic Acid in Diets Consumed during Pregnancy Interact to Program Food Intake and Metabolic Regulation of Male Wistar Rat Offspring. <i>Journal of Nutrition</i> , 2021, 151, 857-865.	1.3	14
110	Choline and one-carbon metabolite response to egg, beef and fish among healthy young men: A short-term randomized clinical study. <i>Clinical Nutrition Experimental</i> , 2016, 10, 1-11.	2.0	13
111	Choline metabolome response to prenatal choline supplementation across pregnancy: A randomized controlled trial. <i>FASEB Journal</i> , 2021, 35, e22063.	0.2	13
112	Comparison between Egg Intake versus Choline Supplementation on Gut Microbiota and Plasma Carotenoids in Subjects with Metabolic Syndrome. <i>Nutrients</i> , 2022, 14, 1179.	1.7	13
113	Applied Choline-Omics: Lessons from Human Metabolic Studies for the Integration of Genomics Research into Nutrition Practice. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2014, 114, 1242-1250.	0.4	12
114	Prenatal Nutritional Intervention Reduces Autistic-Like Behavior Rates Among Mthfr-Deficient Mice. <i>Frontiers in Neuroscience</i> , 2019, 13, 383.	1.4	12
115	Relation of choline intake with blood pressure in the National Health and Nutrition Examination Survey 2007-2010. <i>American Journal of Clinical Nutrition</i> , 2019, 109, 648-655.	2.2	12
116	Pregnancy Induces Transcriptional Activation of the Peripheral Innate Immune System and Increases Oxidative DNA Damage among Healthy Third Trimester Pregnant Women. <i>PLoS ONE</i> , 2012, 7, e46736.	1.1	11
117	Effects of dietary rumen-protected choline supplementation on colostrum yields, quality, and choline metabolites from dairy cattle. <i>JDS Communications</i> , 2022, 3, 296-300.	0.5	11
118	Consumption of the Folate Breakdown Product para-Aminobenzoylglutamate Contributes Minimally to Urinary Folate Catabolite Excretion in Humans: Investigation Using [13C5]para-Aminobenzoylglutamate. <i>Journal of Nutrition</i> , 2002, 132, 2613-2616.	1.3	10
119	Formate concentrations in maternal plasma during pregnancy and in cord blood in a cohort of pregnant Canadian women: relations to genetic polymorphisms and plasma metabolites. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 1131-1137.	2.2	10
120	Maternal choline supplementation alters vitamin B-12 status in human and murine pregnancy. <i>Journal of Nutritional Biochemistry</i> , 2019, 72, 108210.	1.9	10
121	Genetic Variation: Impact on Folate (and Choline) Bioefficacy. <i>International Journal for Vitamin and Nutrition Research</i> , 2010, 80, 319-329.	0.6	10
122	Moderate Folic Acid Supplementation in Pregnant Mice Results in Altered Methyl Metabolism and in Sex-Specific Placental Transcription Changes. <i>Molecular Nutrition and Food Research</i> , 2021, 65, 2100197.	1.5	9
123	Moderate Folic Acid Supplementation in Pregnant Mice Results in Altered Sex-Specific Gene Expression in Brain of Young Mice and Embryos. <i>Nutrients</i> , 2022, 14, 1051.	1.7	9
124	Eggs Improve Plasma Biomarkers in Patients with Metabolic Syndrome Following a Plant-Based Diet—A Randomized Crossover Study. <i>Nutrients</i> , 2022, 14, 2138.	1.7	9
125	Antagonism of Hypervitaminosis A-Induced Anterior Neural Tube Closure Defects with a Methyl-Donor Deficiency in Murine Whole-Embryo Culture. <i>Journal of Nutrition</i> , 2003, 133, 3561-3570.	1.3	8
126	Low Dietary Folate Interacts with MTHFD1 Synthetase Deficiency in Mice, a Model for the R653Q Variant, to Increase Incidence of Developmental Delays and Defects. <i>Journal of Nutrition</i> , 2018, 148, 501-509.	1.3	8



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127	Expression Changes in Epigenetic Gene Pathways Associated With One-Carbon Nutritional Metabolites in Maternal Blood From Pregnancies Resulting in Autism and Non-Typical Neurodevelopment. <i>Autism Research</i> , 2021, 14, 11-28.	2.1	8
128	Associations between Plasma Choline Metabolites and Genetic Polymorphisms in One-Carbon Metabolism in Postmenopausal Women: The Women's Health Initiative Observational Study. <i>Journal of Nutrition</i> , 2020, 150, 2874-2881.	1.3	7
129	Baseline red blood cell and breast milk DHA levels affect responses to standard dose of DHA in lactating women on a controlled feeding diet. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2021, 166, 102248.	1.0	7
130	Prenatal choline supplementation improves biomarkers of maternal docosahexaenoic acid (DHA) status among pregnant participants consuming supplemental DHA: a randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2022, 116, 820-832.	2.2	7
131	Elevating Awareness and Intake of Choline. <i>Nutrition Today</i> , 2011, 46, 235-241.	0.6	5
132	Reproductive state and choline intake influence enrichment of plasma lysophosphatidylcholine-DHA: a post hoc analysis of a controlled feeding trial. <i>British Journal of Nutrition</i> , 2019, 122, 1221-1229.	1.2	5
133	Prenatal Choline Supplementation Improves Child Color-location Memory Task Performance at 7 Y of Age (FS05-01-19). <i>Current Developments in Nutrition</i> , 2019, 3, nzz052.FS05-01-19.	0.1	5
134	Folate. , 2020, , 239-255.		4
135	Folate and Choline Interrelationships. , 2009, , 449-465.		4
136	Pressing the trimethylamine N-oxide narrative. <i>AME Medical Journal</i> , 0, 2, 132-132.	0.4	2
137	Mild Choline Deficiency and MTHFD1 Synthetase Deficiency Interact to Increase Incidence of Developmental Delays and Defects in Mice. <i>Nutrients</i> , 2022, 14, 127.	1.7	2
138	The relationship between increased folate stetabolism and the increased requirement for folate in pregnancy. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2001, 108, 772-773.	1.1	1
139	Folate intake and the MTHFR C677T genotype influence choline status in young Mexican American women. <i>FASEB Journal</i> , 2007, 21, A347.	0.2	1
140	The methylenetetrahydrofolate reductase (MTHFR) 677 C>T polymorphism and folate interact to influence global leukocyte DNA methylation in young Mexican American women.. <i>FASEB Journal</i> , 2006, 20, A601.	0.2	0
141	Pregnancy and choline intake alter the metabolic use of orally consumed choline in women consuming deuterium labeled choline. <i>FASEB Journal</i> , 2010, 24, lb313.	0.2	0
142	Improving Pregnancy Outcomes with One-Carbon Metabolic Nutrients. , 2018, , 133-161.		0