Mary V Gamble

List of Publications by Year
in descending order

68 papers	3,476 citations	147566 31 h-index	138251 58 g-index
69 all docs	69 docs citations	69 times ranked	3119 citing authors

#	Article	IF	Citations
1	Folate, Homocysteine, and Arsenic Metabolism in Arsenic-Exposed Individuals in Bangladesh. Environmental Health Perspectives, 2005, 113, 1683-1688.	2.8	236
2	Folate and arsenic metabolism: a double-blind, placebo-controlled folic acidâ€“supplementation trial in Bangladesh. American Journal of Clinical Nutrition, 2006, 84, 1093-1101.	2.2	209
3	Arsenic Metabolism, Genetic Susceptibility, and Risk of Premalignant Skin Lesions in Bangladesh. Cancer Epidemiology Biomarkers and Prevention, 2007, 16, 1270-1278.	1.1	187
4	Genomic methylation of peripheral blood leukocyte DNA: influences of arsenic and folate in Bangladeshi adults. American Journal of Clinical Nutrition, 2007, 86, 1179-1186.	2.2	184
5	Folic acid supplementation lowers blood arsenic. American Journal of Clinical Nutrition, 2007, 86, 1202-1209.	2.2	182
6	Determinants of Arsenic Metabolism: Blood Arsenic Metabolites, Plasma Folate, Cobalamin, and Homocysteine Concentrations in Maternalâ€“Newborn Pairs. Environmental Health Perspectives, 2007, 115, 1503-1509.	2.8	158
7	Influence of Prenatal Arsenic Exposure and Newborn Sex on Global Methylation of Cord Blood DNA. PLoS ONE, 2012, 7, e37147.	1.1	143
8	Folate Deficiency, Hyperhomocysteinemia, Low Urinary Creatinine, and Hypomethylation of Leukocyte DNA Are Risk Factors for Arsenic-Induced Skin Lesions. Environmental Health Perspectives, 2009, 117, 254-260.	2.8	138
9	Consumption of folate-related nutrients and metabolism of arsenic in Bangladesh. American Journal of Clinical Nutrition, 2007, 85, 1367-1374.	2.2	119
10	Associations between Arsenic Exposure and Global Posttranslational Histone Modifications among Adults in Bangladesh. Cancer Epidemiology Biomarkers and Prevention, 2012, 21, 2252-2260.	1.1	113
11	Folate and cobalamin deficiencies and hyperhomocysteinemia in Bangladesh. American Journal of Clinical Nutrition, 2005, 81, 1372-1377.	2.2	89
12	Arsenic metabolism efficiency has a causal role in arsenic toxicity: Mendelian randomization and gene-environment interaction. International Journal of Epidemiology, 2013, 42, 1862-1872.	0.9	89
13	Folate, Cobalamin, Cysteine, Homocysteine, and Arsenic Metabolism among Children in Bangladesh. Environmental Health Perspectives, 2009, 117, 825-831.	2.8	79
14	Batch Effects and Pathway Analysis: Two Potential Perils in Cancer Studies Involving DNA Methylation Array Analysis. Cancer Epidemiology Biomarkers and Prevention, 2013, 22, 1052-1060.	1.1	78
15	Folic Acid and Creatine as Therapeutic Approaches to Lower Blood Arsenic: A Randomized Controlled Trial. Environmental Health Perspectives, 2015, 123, 1294-1301.	2.8	76
16	Nutritional Manipulation of One-Carbon Metabolism: Effects on Arsenic Methylation and Toxicity. Journal of Toxicology, 2012, 2012, 1-11.	1.4	75
17	Gene-Specific Differential DNA Methylation and Chronic Arsenic Exposure in an Epigenome-Wide Association Study of Adults in Bangladesh. Environmental Health Perspectives, 2015, 123, 64-71.	2.8	69
18	The Association of Arsenic Exposure and Arsenic Metabolism With the Metabolic Syndrome and Its Individual Components: Prospective Evidence From the Strong Heart Family Study. American Journal of Epidemiology, 2018, 187, 1598-1612.	1.6	68

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19	Determinants and Consequences of Arsenic Metabolism Efficiency among 4,794 Individuals: Demographics, Lifestyle, Genetics, and Toxicity. Cancer Epidemiology Biomarkers and Prevention, 2016, 25, 381-390.	1.1	67
20	Chronic Arsenic Exposure and Blood Glutathione and Glutathione Disulfide Concentrations in Bangladeshi Adults. Environmental Health Perspectives, 2013, 121, 1068-1074.	2.8	66
21	Nutritional Influences on One-Carbon Metabolism: Effects on Arsenic Methylation and Toxicity. Annual Review of Nutrition, 2018, 38, 401-429.	4.3	61
22	Folate and Cobalamin Modify Associations between S-adenosylmethionine and Methylated Arsenic Metabolites in Arsenic-Exposed Bangladeshi Adults. Journal of Nutrition, 2014, 144, 690-697.	1.3	55
23	A Doseâ€"Response Study of Arsenic Exposure and Global Methylation of Peripheral Blood Mononuclear Cell DNA in Bangladeshi Adults. Environmental Health Perspectives, 2013, 121, 1306-1312.	2.8	51
24	Influence of Arsenic on Global Levels of Histone Posttranslational Modifications: a Review of the Literature and Challenges in the Field. Current Environmental Health Reports, 2016, 3, 225-237.	3.2	51
25	Renal function is associated with indicators of arsenic methylation capacity in Bangladeshi adults. Environmental Research, 2015, 143, 123-130.	3.7	48
26	Folic acid supplementation enhances arsenic methylation: results from a folic acid and creatine supplementation randomized controlled trial in Bangladesh. American Journal of Clinical Nutrition, 2019, 109, 380-391.	2.2	39
27	Creatinine, Arsenic Metabolism, and Renal Function in an Arsenic-Exposed Population in Bangladesh. PLoS ONE, 2014, 9, e113760.	1.1	38
28	Sex-Specific Associations of Arsenic Exposure with Global DNA Methylation and Hydroxymethylation in Leukocytes: Results from Two Studies in Bangladesh. Cancer Epidemiology Biomarkers and Prevention, 2015, 24, 1748-1757.	1.1	37
29	Arsenic metabolism and one-carbon metabolism at low-moderate arsenic exposure: Evidence from the Strong Heart Study. Food and Chemical Toxicology, 2017, 105, 387-397.	1.8	36
30	The role of nutrition in influencing mechanisms involved in environmentally mediated diseases. Reviews on Environmental Health, 2018, 33, 87-97.	1.1	35
31	Associations between Blood and Urine Arsenic Concentrations and Global Levels of Post-Translational Histone Modifications in Bangladeshi Men and Women. Environmental Health Perspectives, 2016, 124, 1234-1240.	2.8	34
32	Early-Life Arsenic Exposure, Nutritional Status, and Adult Diabetes Risk. Current Diabetes Reports, 2019, 19, 147.	1.7	33
33	Arsenic, one carbon metabolism and diabetes-related outcomes in the Strong Heart Family Study. Environment International, 2018, 121, 728-740.	4.8	30
34	Influence of Cobalamin on Arsenic Metabolism in Bangladesh. Environmental Health Perspectives, 2009, 117, 1724-1729.	2.8	29
35	Serum homocysteine, arsenic methylation, and arsenic-induced skin lesion incidence in Bangladesh: A one-carbon metabolism candidate gene study. Environment International, 2018, 113, 133-142.	4.8	29
36	Nutrition, one-carbon metabolism and arsenic methylation. Toxicology, 2021, 457, 152803.	2.0	29

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37	Arsenic exposure, inflammation, and renal function in Bangladeshi adults: effect modification by plasma glutathione redox potential. Free Radical Biology and Medicine, 2015, 85, 174-182.	1.3	26
38	Sex-specific patterns and deregulation of endocrine pathways in the gene expression profiles of Bangladeshi adults exposed to arsenic contaminated drinking water. Toxicology and Applied Pharmacology, 2015, 284, 330-338.	1.3	24
39	Locus-Specific Differential DNA Methylation and Urinary Arsenic: An Epigenome-Wide Association Study in Blood among Adults with Low-to-Moderate Arsenic Exposure. Environmental Health Perspectives, 2020, 128, 67015.	2.8	23
40	Interaction of plasma glutathione redox and folate deficiency on arsenic methylation capacity in Bangladeshi adults. Free Radical Biology and Medicine, 2014, 73, 67-74.	1.3	22
41	Mathematical analysis of the regulation of competing methyltransferases. BMC Systems Biology, 2015, 9, 69.	3.0	21
42	Association between body mass index and arsenic methylation in three studies of Bangladeshi adults and adolescents. Environment International, 2021, 149, 106401.	4.8	21
43	Enzymatic cleavage of histone H3: a new consideration when measuring histone modifications in human samples. Clinical Epigenetics, 2015, 7, 7.	1.8	19
44	Low-Dose Creatine Supplementation Lowers Plasma Guanidinoacetate, but Not Plasma Homocysteine, in a Double-Blind, Randomized, Placebo-Controlled Trial. Journal of Nutrition, 2015, 145, 2245-2252.	1.3	19
45	Global Level of Plasma DNA Methylation is Associated with Overall Survival in Patients with Hepatocellular Carcinoma. Annals of Surgical Oncology, 2017, 24, 3788-3795.	0.7	19
46	Maternal one carbon metabolism and arsenic methylation in a pregnancy cohort in Mexico. Journal of Exposure Science and Environmental Epidemiology, 2018, 28, 505-514.	1.8	19
47	A missense variant in FTCD is associated with arsenic metabolism and toxicity phenotypes in Bangladesh. PLoS Genetics, 2019, 15, e1007984.	1.5	19
48	Targeted metabolomics to understand the association between arsenic metabolism and diabetes-related outcomes: Preliminary evidence from the Strong Heart Family Study. Environmental Research, 2019, 168, 146-157.	3.7	19
49	Mathematical model insights into arsenic detoxification. Theoretical Biology and Medical Modelling, 2011, 8, 31.	2.1	18
50	Sex-Specific Associations between One-Carbon Metabolism Indices and Posttranslational Histone Modifications in Arsenic-Exposed Bangladeshi Adults. Cancer Epidemiology Biomarkers and Prevention, 2017, 26, 261-269.	1.1	17
51	A Doseâ€"Response Study of Arsenic Exposure and Markers of Oxidative Damage in Bangladesh. Journal of Occupational and Environmental Medicine, 2014, 56, 652-658.	0.9	15
52	Mathematical modeling of the effects of glutathione on arsenic methylation. Theoretical Biology and Medical Modelling, 2014, 11, 20.	2.1	15
53	Relationship of Creatinine and Nutrition with Arsenic Metabolism. Environmental Health Perspectives, 2012, 120, A145-6.	2.8	14
54	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. Journal of Nutrition, 2016, 146, 1062-1067.	1.3	14

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55	Exposure to arsenic at different life-stages and DNA methylation meta-analysis in buccal cells and leukocytes. Environmental Health, 2021, 20, 79.	1.7	14
56	Provision of well-water treatment units to 600 households in Bangladesh: A longitudinal analysis of urinary arsenic indicates fading utility. Science of the Total Environment, 2016, 563-564, 131-137.	3.9	13
57	Betaine and choline status modify the effects of folic acid and creatine supplementation on arsenic methylation in a randomized controlled trial of Bangladeshi adults. European Journal of Nutrition, 2021, 60, 1921-1934.	1.8	9
58	Urine Dilution Correction Methods Utilizing Urine Creatinine or Specific Gravity in Arsenic Analyses: Comparisons to Blood and Water Arsenic in the FACT and FOX Studies in Bangladesh. Water (Switzerland), 2022, 14, 1477.	1.2	9
59	Mixed metals exposure and cognitive function in Bangladeshi adolescents. Ecotoxicology and Environmental Safety, 2022, 232, 113229.	2.9	7
60	Arsenic exposure and human blood DNA methylation and hydroxymethylation profiles in two diverse populations from Bangladesh and Spain. Environmental Research, 2022, 204, 112021.	3.7	6
61	Nutrition, one-carbon metabolism and arsenic methylation in Bangladeshi adolescents. Environmental Research, 2021, 195, 110750.	3.7	5
62	Assessing the impact of arsenic metabolism efficiency on DNA methylation using Mendelian randomization. Environmental Epidemiology, 2020, 4, e083.	1.4	4
63	Carotenoid status among preschool children with vitamin A deficiency in the Republic of the Marshall Islands. Asia Pacific Journal of Clinical Nutrition, 2004, 13, 336-40.	0.3	3
64	Maternal serum concentrations of one-carbon metabolism factors modify the association between biomarkers of arsenic methylation efficiency and birth weight. Environmental Health, 2022, 21, .	1.7	2
65	Mixed Metals Exposure and Cognitive Function in Bangladeshi Adolescents. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
66	Effects of Folate and Vitamin B12 Nutritional Status on Cognitive Function in Bangladeshi Adolescents. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
67	Nutritional modulation of fetal susceptibility to iAs-associated gene expression underlying oxidative stress and inflammation in cord blood. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
68	107 Environmental Exposure to Metals Mixtures and the Outcome of Cognitive Function in Adolescents. Journal of Clinical and Translational Science, 2022, 6, 2-2.	0.3	0