Matt J Silver

List of Publications by Year
in descending order

31 papers	1,980 citations	430442 18 h-index	454577 30 g-index
35 all docs	35 docs citations	35 times ranked	4085 citing authors

#	Article	IF	Citations
1	Maternal nutrition at conception modulates DNA methylation of human metastable epialleles. Nature Communications, 2014, 5, 3746.	5.8	428
2	Independent genomewide screens identify the tumor suppressor VTRNA2-1 as a human epiallele responsive to periconceptional environment. Genome Biology, 2015, 16, 118.	13.9	149
3	Meta-analysis of epigenome-wide association studies in neonates reveals widespread differential DNA methylation associated with birthweight. Nature Communications, 2019, 10, 1893.	5.8	140
4	False positives in neuroimaging genetics using voxel-based morphometry data. NeuroImage, 2011, 54, 992-1000.	2.1	135
5	Estimation of a significance threshold for epigenomeâ€wide association studies. Genetic Epidemiology, 2018, 42, 20-33.	0.6	133
6	Interindividual Variation in DNA Methylation at a Putative POMC Metastable Epiallele Is Associated with Obesity. Cell Metabolism, 2016, 24, 502-509.	7.2	110
7	Epigenetic supersimilarity of monozygotic twin pairs. Genome Biology, 2018, 19, 2.	3.8	89
8	Exposure to aflatoxin B₁in uterois associated with DNA methylation in white blood cells of infants in The Gambia. International Journal of Epidemiology, 2015, 44, 1238-1248.	0.9	88
9	Spatial effects favour the evolution of niche construction. Theoretical Population Biology, 2006, 70, 387-400.	0.5	84
10	The Role of Nutrition in COVID-19 Susceptibility and Severity of Disease: A Systematic Review. Journal of Nutrition, 2021, 151, 1854-1878.	1.3	79
11	Identification of gene pathways implicated in Alzheimer's disease using longitudinal imaging phenotypes with sparse regression. NeuroImage, 2012, 63, 1681-1694.	2.1	74
12	A genomic atlas of systemic interindividual epigenetic variation in humans. Genome Biology, 2019, 20, 105.	3.8	70
13	Establishment of environmentally sensitive DNA methylation states in the very early human embryo. Science Advances, 2018, 4, eaat2624.	4.7	59
14	Candidate genes linking maternal nutrient exposure to offspring health via DNA methylation: a review of existing evidence in humans with specific focus on one-carbon metabolism. International Journal of Epidemiology, 2018, 47, 1910-1937.	0.9	51
15	Fast Identification of Biological Pathways Associated with a Quantitative Trait Using Group Lasso with Overlaps. Statistical Applications in Genetics and Molecular Biology, 2012, 11, 1-43.	0.2	41
16	Pathways-Driven Sparse Regression Identifies Pathways and Genes Associated with High-Density Lipoprotein Cholesterol in Two Asian Cohorts. PLoS Genetics, 2013, 9, e1003939.	1.5	34
17	Vitamin D binding protein genotype is associated with plasma 25OHD concentration in West African children. Bone, 2015, 74, 166-170.	1.4	33
18	Possible relationship between common genetic variation and white matter development in a pilot study of preterm infants. Brain and Behavior, 2016, 6, e00434.	1.0	25

#	Article	IF	Citations
19	Effect of maternal preconceptional and pregnancy micronutrient interventions on childrenâ€™s DNA methylation: Findings from the EMPHASIS study. American Journal of Clinical Nutrition, 2020, 112, 1099-1113.	2.2	21
20	Fetal programming and epigenetics. Current Opinion in Endocrine and Metabolic Research, 2020, 13, 1-6.	0.6	20
21	Influence of intergenerational in utero parental energy and nutrient restriction on offspring growth in rural Gambia. FASEB Journal, 2017, 31, 4928-4934.	0.2	17
22	Evidence for negative selection of gene variants that increase dependence on dietary choline in a Gambian cohort. FASEB Journal, 2015, 29, 3426-3435.	0.2	16
23	Maternal One-Carbon Metabolism and Infant DNA Methylation between Contrasting Seasonal Environments: A Case Study from The Gambia. Current Developments in Nutrition, 2019, 3, nzy082.	0.1	16
24	Environmentally sensitive hotspots in the methylome of the early human embryo. ELife, 2022, 11, .	2.8	15
25	Protocol for the EMPHASIS study; epigenetic mechanisms linking maternal pre-conceptional nutrition and childrenâ€™s health in India and Sub-Saharan Africa. BMC Nutrition, 2017, 3, .	0.6	14
26	DNA methylation at a nutritionally sensitive region of the PAX8 gene is associated with thyroid volume and function in Gambian children. Science Advances, 2021, 7, eabj1561.	4.7	13
27	A novel nutritional supplement to reduce plasma homocysteine in nonpregnant women: A randomised controlled trial in The Gambia. PLoS Medicine, 2019, 16, e1002870.	3.9	5
28	DNA methylation signatures associated with cardiometabolic risk factors in children from India and The Gambia: results from the EMPHASIS study. Clinical Epigenetics, 2022, 14, 6.	1.8	4
29	Intergenerational Influences on Child Development: An Epigenetic Perspective. Nestle Nutrition Institute Workshop Series, 2020, 93, 145-152.	1.5	3
30	Periconceptional environment predicts leukocyte telomere length in a cross-sectional study of 7â€“9 year old rural Gambian children. Scientific Reports, 2020, 10, 9675.	1.6	2
31	Identification of genes in lipid metabolism associated with white matter features in preterm infants. Lancet, The, 2016, 387, S60.	6.3	0