Matt J Silver

List of Publications by Citations

31 papers	1,392 citations	18 h-index	35 g-index
35 ext. papers	1,731 ext. citations	8.8 avg, IF	4.2 L-index

#	Paper	IF	Citations
31	Maternal nutrition at conception modulates DNA methylation of human metastable epialleles. *Nature Communications*, **2014**, 5, 3746	17.4	362
30	Independent genomewide screens identify the tumor suppressor VTRNA2-1 as a human epiallele responsive to periconceptional environment. *Genome Biology*, **2015**, 16, 118	18.3	119
29	False positives in neuroimaging genetics using voxel-based morphometry data. *NeuroImage*, **2011**, 54, 992-1000	7.9	118
28	Interindividual Variation in DNA Methylation at a Putative POMC Metastable Epiallele Is Associated with Obesity. *Cell Metabolism*, **2016**, 24, 502-509	24.6	82
27	Meta-analysis of epigenome-wide association studies in neonates reveals widespread differential DNA methylation associated with birthweight. *Nature Communications*, **2019**, 10, 1893	17.4	79
26	Spatial effects favour the evolution of niche construction. *Theoretical Population Biology*, **2006**, 70, 387-400	1.2	72
25	Exposure to aflatoxin B1 in utero is associated with DNA methylation in white blood cells of infants in The Gambia. *International Journal of Epidemiology*, **2015**, 44, 1238-48	7.8	69
24	Estimation of a significance threshold for epigenome-wide association studies. *Genetic Epidemiology*, **2018**, 42, 20-33	2.6	67
23	Identification of gene pathways implicated in Alzheimer's disease using longitudinal imaging phenotypes with sparse regression. *NeuroImage*, **2012**, 63, 1681-94	7.9	60
22	Epigenetic supersimilarity of monozygotic twin pairs. *Genome Biology*, **2018**, 19, 2	18.3	52
21	A genomic atlas of systemic interindividual epigenetic variation in humans. *Genome Biology*, **2019**, 20, 105	18.3	37
20	Establishment of environmentally sensitive DNA methylation states in the very early human embryo. *Science Advances*, **2018**, 4, eaat2624	14.3	36
19	Fast identification of biological pathways associated with a quantitative trait using group lasso with overlaps. *Statistical Applications in Genetics and Molecular Biology*, **2012**, 11, Article 7	1.2	36
18	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	7.8	33
17	Vitamin D binding protein genotype is associated with plasma 25OHD concentration in West African children. *Bone*, **2015**, 74, 166-70	4.7	27
16	The Role of Nutrition in COVID-19 Susceptibility and Severity of Disease: A Systematic Review. *Journal of Nutrition*, **2021**, 151, 1854-1878	4.1	24
15	Pathways-driven sparse regression identifies pathways and genes associated with high-density lipoprotein cholesterol in two Asian cohorts. *PLoS Genetics*, **2013**, 9, e1003939	6	22

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14	Possible relationship between common genetic variation and white matter development in a pilot study of preterm infants. *Brain and Behavior*, **2016**, 6, e00434	3.4	21
13	Evidence for negative selection of gene variants that increase dependence on dietary choline in a Gambian cohort. *FASEB Journal*, **2015**, 29, 3426-35	0.9	14
12	Influence of intergenerational parental energy and nutrient restriction on offspring growth in rural Gambia. *FASEB Journal*, **2017**, 31, 4928-4934	0.9	13
11	Fetal programming and epigenetics. *Current Opinion in Endocrine and Metabolic Research*, **2020**, 13, 1-6	1.7	9
10	Maternal One-Carbon Metabolism and Infant DNA Methylation between Contrasting Seasonal Environments: A Case Study from The Gambia. *Current Developments in Nutrition*, **2019**, 3,	0.4	9
9	Could nutrition modulate COVID-19 susceptibility and severity of disease? A systematic review		8
8	Protocol for the EMPHASIS study; epigenetic mechanisms linking maternal pre-conceptional nutrition and childrens health in India and Sub-Saharan Africa. *BMC Nutrition*, **2017**, 3,	2.5	7
7	Effect of maternal preconceptional and pregnancy micronutrient interventions on childrens DNA methylation: Findings from the EMPHASIS study. *American Journal of Clinical Nutrition*, **2020**, 112, 1099-1113	7	5
6	Intergenerational Influences on Child Development: An Epigenetic Perspective. *Nestle Nutrition Institute Workshop Series*, **2020**, 93, 145-152	1.9	3
5	Environmentally sensitive hotspots in the methylome of the early human embryo.. *ELife*, **2022**, 11,	8.9	3
4	DNA methylation at a nutritionally sensitive region of the gene is associated with thyroid volume and function in Gambian children. *Science Advances*, **2021**, 7, eabj1561	14.3	2
3	Periconceptional environment predicts leukocyte telomere length in a cross-sectional study of 7-9 year old rural Gambian children. *Scientific Reports*, **2020**, 10, 9675	4.9	1
2	A novel nutritional supplement to reduce plasma homocysteine in nonpregnant women: A randomised controlled trial in The Gambia. *PLoS Medicine*, **2019**, 16, e1002870	11.6	1
1	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	7.7	1