

Shuai Li

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

2,017
citations

304368

22
h-index

301761

39
g-index

80
all docs

80
docs citations

80
times ranked

3160
citing authors

#	ARTICLE	IF	CITATIONS
1	Avoiding dynastic, assortative mating, and population stratification biases in Mendelian randomization through within-family analyses. <i>Nature Communications</i> , 2020, 11, 3519.	5.8	213
2	DNA methylation-based biological aging and cancer risk and survival: Pooled analysis of seven prospective studies. <i>International Journal of Cancer</i> , 2018, 142, 1611-1619.	2.3	153
3	Within-sibship genome-wide association analyses decrease bias in estimates of direct genetic effects. <i>Nature Genetics</i> , 2022, 54, 581-592.	9.4	142
4	Association of DNA Methylation-Based Biological Age With Health Risk Factors and Overall and Cause-Specific Mortality. <i>American Journal of Epidemiology</i> , 2018, 187, 529-538.	1.6	106
5	Causal effect of smoking on DNA methylation in peripheral blood: a twin and family study. <i>Clinical Epigenetics</i> , 2018, 10, 18.	1.8	95
6	A Cost-effectiveness Analysis of Multigene Testing for All Patients With Breast Cancer. <i>JAMA Oncology</i> , 2019, 5, 1718.	3.4	91
7	Cancer Risks Associated With <i>BRCA1</i> and <i>BRCA2</i> Pathogenic Variants. <i>Journal of Clinical Oncology</i> , 2022, 40, 1529-1541.	0.8	90
8	The Structural Basis of ATP as an Allosteric Modulator. <i>PLoS Computational Biology</i> , 2014, 10, e1003831.	1.5	76
9	Raf-1 Cysteine-Rich Domain Increases the Affinity of K-Ras/Raf at the Membrane, Promoting MAPK Signaling. <i>Structure</i> , 2018, 26, 513-525.e2.	1.6	60
10	Reversible lysine acetylation is involved in DNA replication initiation by regulating activities of initiator DnaA in <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2016, 6, 30837.	1.6	55
11	Inference about causation between body mass index and DNA methylation in blood from a twin family study. <i>International Journal of Obesity</i> , 2019, 43, 243-252.	1.6	48
12	Intrinsic protein disorder in oncogenic KRAS signaling. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 3245-3261.	2.4	45
13	Genetic and Environmental Causes of Variation in the Difference Between Biological Age Based on DNA Methylation and Chronological Age for Middle-Aged Women. <i>Twin Research and Human Genetics</i> , 2015, 18, 720-726.	0.3	43
14	Biological Aging Measures Based on Blood DNA Methylation and Risk of Cancer: A Prospective Study. <i>JNCI Cancer Spectrum</i> , 2021, 5, pkaa109.	1.4	40
15	Genome-wide average DNA methylation is determined in utero. <i>International Journal of Epidemiology</i> , 2018, 47, 908-916.	0.9	38
16	Evidence of Gene-Environment Interaction for Two Genes on Chromosome 4 and Environmental Tobacco Smoke in Controlling the Risk of Nonsyndromic Cleft Palate. <i>PLoS ONE</i> , 2014, 9, e88088.	1.1	33
17	Genetic and environmental causes of variation in epigenetic aging across the lifespan. <i>Clinical Epigenetics</i> , 2020, 12, 158.	1.8	33
18	Modifiable lifestyle factors and severe COVID-19 risk: a Mendelian randomisation study. <i>BMC Medical Genomics</i> , 2021, 14, 38.	0.7	33

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19	Environmental temperature and human epigenetic modifications: A systematic review. <i>Environmental Pollution</i> , 2020, 259, 113840.	3.7	31
20	Breast Cancer Risk Associations with Digital Mammographic Density by Pixel Brightness Threshold and Mammographic System. <i>Radiology</i> , 2018, 286, 433-442.	3.6	29
21	Inference about causation from examination of familial confounding (ICE FALCON): a model for assessing causation analogous to Mendelian randomization. <i>International Journal of Epidemiology</i> , 2020, 49, 1259-1269.	0.9	26
22	Predicting interval and screen-detected breast cancers from mammographic density defined by different brightness thresholds. <i>Breast Cancer Research</i> , 2018, 20, 152.	2.2	24
23	Going Beyond Conventional Mammographic Density to Discover Novel Mammogram-Based Predictors of Breast Cancer Risk. <i>Journal of Clinical Medicine</i> , 2020, 9, 627.	1.0	23
24	Residential surrounding greenness and DNA methylation: An epigenome-wide association study. <i>Environment International</i> , 2021, 154, 106556.	4.8	23
25	MRI manifestations correlate with survival of glioblastoma multiforme patients. <i>Cancer Biology and Medicine</i> , 2012, 9, 120-3.	1.4	23
26	Interval breast cancer risk associations with breast density, family history and breast tissue aging. <i>International Journal of Cancer</i> , 2020, 147, 375-382.	2.3	22
27	Prospective Evaluation of the Addition of Polygenic Risk Scores to Breast Cancer Risk Models. <i>JNCI Cancer Spectrum</i> , 2021, 5, pkab021.	1.4	19
28	DNA methylation-based biological age, genome-wide average DNA methylation, and conventional breast cancer risk factors. <i>Scientific Reports</i> , 2019, 9, 15055.	1.6	18
29	Novel mammogram-based measures improve breast cancer risk prediction beyond an established mammographic density measure. <i>International Journal of Cancer</i> , 2021, 148, 2193-2202.	2.3	18
30	Predictors of Visual Response to Intravitreal Bevacizumab for Treatment of Neovascular Age-Related Macular Degeneration. <i>Journal of Ophthalmology</i> , 2013, 2013, 1-9.	0.6	17
31	Discovery of novel nonpeptide allosteric inhibitors interrupting the interaction of CDK2/cyclin A3 by virtual screening and bioassays. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 4069-4073.	1.0	17
32	Genome-wide association study of peripheral blood DNA methylation and conventional mammographic density measures. <i>International Journal of Cancer</i> , 2019, 145, 1768-1773.	2.3	17
33	Twins Research Australia: A New Paradigm for Driving Twin Research. <i>Twin Research and Human Genetics</i> , 2019, 22, 438-445.	0.3	17
34	Maternal hepatitis B infection status and adverse pregnancy outcomes: a retrospective cohort analysis. <i>Archives of Gynecology and Obstetrics</i> , 2020, 302, 595-602.	0.8	17
35	Peroxiredoxin-3 attenuates traumatic neuronal injury through preservation of mitochondrial function. <i>Neurochemistry International</i> , 2018, 114, 120-126.	1.9	16
36	DNA Methylation-Based Measures of Biological Aging. , 2018, , 39-64.		16

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37	Early life affects late-life health through determining DNA methylation across the lifespan: A twin study. <i>EBioMedicine</i> , 2022, 77, 103927.	2.7	15
38	Genome-wide and transcriptome-wide association studies of mammographic density phenotypes reveal novel loci. <i>Breast Cancer Research</i> , 2022, 24, 27.	2.2	15
39	Causes of blood methylomic variation for middle-aged women measured by the HumanMethylation450 array. <i>Epigenetics</i> , 2017, 12, 973-981.	1.3	14
40	Measurement challenge: protocol for international case-control comparison of mammographic measures that predict breast cancer risk. <i>BMJ Open</i> , 2019, 9, e031041.	0.8	14
41	Surrounding Greenness and Biological Aging Based on DNA Methylation: A Twin and Family Study in Australia. <i>Environmental Health Perspectives</i> , 2021, 129, 87007.	2.8	14
42	Exposure and Blood Cerebrospinal Fluid Barrier Permeability of PFASs in Neonates. <i>Environmental Science and Technology Letters</i> , 2022, 9, 64-70.	3.9	14
43	Age dependency of the polygenic risk score for colorectal cancer. <i>American Journal of Human Genetics</i> , 2021, 108, 525-526.	2.6	12
44	Candidate gene expression in response to low-level air pollution. <i>Environment International</i> , 2020, 140, 105610.	4.8	10
45	Ambient temperature and genome-wide DNA methylation: A twin and family study in Australia. <i>Environmental Pollution</i> , 2021, 285, 117700.	3.7	9
46	Twin birth changes DNA methylation of subsequent siblings. <i>Scientific Reports</i> , 2017, 7, 8463.	1.6	8
47	Impaired Left Atrial Performance Resulting From Age-Related Atrial Fibrillation Is Associated With Increased Fibrosis Burden: Insights From a Clinical Study Combining With an in vivo Experiment. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 615065.	1.1	8
48	Negative Age-Dependence of the Polygenic Risk Score Gradient for Colorectal Cancer. <i>Gastroenterology</i> , 2021, 160, 2214-2215.	0.6	7
49	The impact of lipid-metabolizing genetic polymorphisms on body mass index and their interactions with soybean food intake: a study in a Chinese population. <i>Biomedical and Environmental Sciences</i> , 2014, 27, 176-85.	0.2	7
50	Are the Relationships of Lean Mass and Fat Mass With Bone Microarchitecture Causal or Due to Familial Confounders? A Novel Study of Adult Female Twin Pairs. <i>JBMR Plus</i> , 2020, 4, e10386.	1.3	6
51	Association of chronic musculoskeletal pain with mortality among UK adults: A population-based cohort study with mediation analysis. <i>EClinicalMedicine</i> , 2021, 42, 101202.	3.2	6
52	Familial Aspects of Mammographic Density Measures Associated with Breast Cancer Risk. <i>Cancers</i> , 2022, 14, 1483.	1.7	6
53	Genetic Aspects of Mammographic Density Measures Associated with Breast Cancer Risk. <i>Cancers</i> , 2022, 14, 2767.	1.7	5
54	Weight is More Informative than Body Mass Index for Predicting Postmenopausal Breast Cancer Risk: Prospective Family Study Cohort (ProF-SC). <i>Cancer Prevention Research</i> , 2022, 15, 185-191.	0.7	4

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55	Blood DNA methylation score predicts breast cancer risk: applying OPERA in molecular, environmental, genetic and analytic epidemiology. <i>Molecular Oncology</i> , 2022, 16, 8-10.	2.1	3
56	Population-based estimates of age-specific cumulative risk of breast cancer for pathogenic variants in ATM. <i>Breast Cancer Research</i> , 2022, 24, 24.	2.2	3
57	Reply to V. Fallet et al. <i>Journal of Clinical Oncology</i> , 2022, 40, 2509-2510.	0.8	3
58	Epigenetic Prospects in <i>Epidemiology and Public Health</i> . , 2018, , 995-1017.		2
59	Coagulation and Fibrinolysis Biomarkers as Potential Indicators for the Diagnosis and Classification of Ovarian Hyperstimulation Syndrome. <i>Frontiers in Medicine</i> , 2021, 8, 720342.	1.2	2
60	Gene-environment interaction among GSTT1, PON2 polymorphisms and organic solvents on gestational age in a Chinese women cohort. <i>Journal of Assisted Reproduction and Genetics</i> , 2014, 31, 881-888.	1.2	1
61	DNA methylation and breast cancer risk: value of twin and family studies. , 2021, , 67-83.		1
62	RE: Chemopreventive Agents to Reduce Mammographic Breast Density in Premenopausal Women: A Systematic Review of Clinical Trials. <i>JNCI Cancer Spectrum</i> , 2021, 5, pkab051.	1.4	1
63	872Novel approach to estimating sex differences unconfounded by familial factors from studying male-female twin pairs. <i>International Journal of Epidemiology</i> , 2021, 50, .	0.9	1
64	Value of twin and family study designs for epigenetic research. , 2021, , 3-16.		0
65	Sex differences in epigenetic profiles: The value of twin studies. , 2021, , 225-235.		0
66	Ambient air pollution and human epigenetic modifications. , 2021, , 299-343.		0
67	Residential surrounding greenness and DNA methylation: an epigenome-wide association study. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
68	821Surrounding greenness is associated with slower biological ageing based on epigenetics. <i>International Journal of Epidemiology</i> , 2021, 50, .	0.9	0
69	915Inference on Causation from Examining Changes in Regression coefficients and Innovative Statistical Analyses (ICE CRISTAL). <i>International Journal of Epidemiology</i> , 2021, 50, .	0.9	0
70	595ICE FALCON: a causation assessment method analogous to, but more powerful than, Mendelian Randomisation. <i>International Journal of Epidemiology</i> , 2021, 50, .	0.9	0