

Shuang Wang

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

2,564
citations

236925

25
h-index

206112

48
g-index

81
all docs

81
docs citations

81
times ranked

4332
citing authors

#	ARTICLE	IF	CITATIONS
1	Prenatal Airborne Polycyclic Aromatic Hydrocarbon Exposure and Child IQ at Age 5 Years. <i>Pediatrics</i> , 2009, 124, e195-e202.	2.1	346
2	Genome-wide DNA methylation profiles in hepatocellular carcinoma. <i>Hepatology</i> , 2012, 55, 1799-1808.	7.3	178
3	Exploring genome-wide DNA methylation profiles altered in hepatocellular carcinoma using Infinium HumanMethylation 450 BeadChips. <i>Epigenetics</i> , 2013, 8, 34-43.	2.7	144
4	Bisphenol A exposure and behavioral problems among inner city children at 7-9 years of age. <i>Environmental Research</i> , 2015, 142, 739-745.	7.5	132
5	Early-Life Exposure to Polycyclic Aromatic Hydrocarbons and ADHD Behavior Problems. <i>PLoS ONE</i> , 2014, 9, e111670.	2.5	125
6	Bisphenol A exposure and symptoms of anxiety and depression among inner city children at 10-12 years of age. <i>Environmental Research</i> , 2016, 151, 195-202.	7.5	120
7	Interacting Genetic Loci on Chromosomes 20 and 10 Influence Extreme Human Obesity. <i>American Journal of Human Genetics</i> , 2003, 72, 115-124.	6.2	86
8	Penalized logistic regression for high-dimensional DNA methylation data with case-control studies. <i>Bioinformatics</i> , 2012, 28, 1368-1375.	4.1	78
9	Combined effects of prenatal exposure to polycyclic aromatic hydrocarbons and material hardship on child ADHD behavior problems. <i>Environmental Research</i> , 2018, 160, 506-513.	7.5	71
10	Combined effects of prenatal polycyclic aromatic hydrocarbons and material hardship on child IQ. <i>Neurotoxicology and Teratology</i> , 2015, 49, 74-80.	2.4	69
11	Prenatal exposure to polybrominated diphenyl ethers and child attention problems at 3-7 years. <i>Neurotoxicology and Teratology</i> , 2015, 52, 143-150.	2.4	68
12	Childhood exposure to fine particulate matter and black carbon and the development of new wheeze between ages 5 and 7 in an urban prospective cohort. <i>Environment International</i> , 2012, 45, 44-50.	10.0	60
13	Longitudinal effects of prenatal exposure to air pollutants on self-regulatory capacities and social competence. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2016, 57, 851-860.	5.2	60
14	Assessment of Interactions between PAH Exposure and Genetic Polymorphisms on PAH-DNA Adducts in African American, Dominican, and Caucasian Mothers and Newborns. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2008, 17, 405-413.	2.5	59
15	Genome-wide autozygosity mapping in human populations. <i>Genetic Epidemiology</i> , 2009, 33, 172-180.	1.3	58
16	metamicrobiomeR: an R package for analysis of microbiome relative abundance data using zero-inflated beta GAMLSS and meta-analysis across studies using random effects models. <i>BMC Bioinformatics</i> , 2019, 20, 188.	2.6	56
17	Sample Size Needed to Detect Gene-Gene Interactions using Association Designs. <i>American Journal of Epidemiology</i> , 2003, 158, 899-914.	3.4	52
18	The MiAge Calculator: a DNA methylation-based mitotic age calculator of human tissue types. <i>Epigenetics</i> , 2018, 13, 192-206.	2.7	50

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19	The Signatures of Autozygosity among Patients with Colorectal Cancer. <i>Cancer Research</i> , 2008, 68, 2610-2621.	0.9	47
20	Associations between prenatal and childhood PBDE exposure and early adolescent visual, verbal and working memory. <i>Environment International</i> , 2018, 118, 9-16.	10.0	45
21	Method to detect differentially methylated loci with case-control designs using Illumina arrays. <i>Genetic Epidemiology</i> , 2011, 35, 686-694.	1.3	40
22	Human aging DNA methylation signatures are conserved but accelerated in cultured fibroblasts. <i>Epigenetics</i> , 2019, 14, 961-976.	2.7	36
23	Prenatal exposure to polycyclic aromatic hydrocarbons/aromatics, BDNF and child development. <i>Environmental Research</i> , 2015, 142, 602-608.	7.5	35
24	A Fast and Noise-Resilient Approach to Detect Rare Variant Associations With Deep Sequencing Data for Complex Disorders. <i>Genetic Epidemiology</i> , 2012, 36, 675-685.	1.3	27
25	Prenatal polycyclic aromatic hydrocarbon (PAH) exposure, antioxidant levels and behavioral development of children ages 6-9. <i>Environmental Research</i> , 2015, 140, 136-144.	7.5	27
26	MicroRNA-based risk scoring system to identify early-stage oral squamous cell carcinoma patients at high-risk for cancer-specific mortality. <i>Head and Neck</i> , 2020, 42, 1699-1712.	2.0	27
27	Network-based regularization for matched case-control analysis of high-dimensional DNA methylation data. <i>Statistics in Medicine</i> , 2013, 32, 2127-2139.	1.6	26
28	Determinants of prenatal exposure to polybrominated diphenyl ethers (PBDEs) among urban, minority infants born between 1998 and 2006. <i>Environmental Pollution</i> , 2018, 233, 774-781.	7.5	24
29	Exposures to Air Pollution and Risk of Acute-onset Placental Abruption. <i>Epidemiology</i> , 2018, 29, 631-638.	2.7	22
30	Temporal trends and developmental patterns of plasma polybrominated diphenyl ether concentrations over a 15-year period between 1998 and 2013. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2019, 29, 49-60.	3.9	22
31	A pan-cancer analysis of driver gene mutations, DNA methylation and gene expressions reveals that chromatin remodeling is a major mechanism inducing global changes in cancer epigenomes. <i>BMC Medical Genomics</i> , 2018, 11, 98.	1.5	21
32	Genome-Wide Expression of MicroRNAs Is Regulated by DNA Methylation in Hepatocarcinogenesis. <i>Gastroenterology Research and Practice</i> , 2015, 2015, 1-12.	1.5	20
33	Using association signal annotations to boost similarity network fusion. <i>Bioinformatics</i> , 2019, 35, 3718-3726.	4.1	20
34	Distinct epigenetic profiles in children with perinatally-acquired HIV on antiretroviral therapy. <i>Scientific Reports</i> , 2019, 9, 10495.	3.3	18
35	DiSNEP: a Disease-Specific gene Network Enhancement to improve Prioritizing candidate disease genes. <i>Briefings in Bioinformatics</i> , 2021, 22, .	6.5	16
36	Prenatal exposure to airborne polycyclic aromatic hydrocarbons and IQ: Estimated benefit of pollution reduction. <i>Journal of Public Health Policy</i> , 2014, 35, 327-336.	2.0	15

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37	Semiparametric Tests for Identifying Differentially Methylated Loci With Caseâ€“Control Designs Using Illumina Arrays. <i>Genetic Epidemiology</i> , 2014, 38, 42-50.	1.3	15
38	A standardized clinical evaluation of phenotypic diversity in diabetic polyneuropathy. <i>Pain</i> , 2016, 157, 2297-2308.	4.2	14
39	Significant interactions between maternal PAH exposure and single nucleotide polymorphisms in candidate genes on B[<i>a</i>]Pâ€“DNA adducts in a cohort of non-smoking Polish mothers and newborns. <i>Carcinogenesis</i> , 2016, 37, 1110-1115.	2.8	13
40	NEpiC: a network-assisted algorithm for epigenetic studies using mean and variance combined signals. <i>Nucleic Acids Research</i> , 2016, 44, e134-e134.	14.5	13
41	Biomarkers of Aging in HIV-Infected Children on Suppressive Antiretroviral Therapy. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2018, 78, 549-556.	2.1	13
42	Transcription activity hot spot, is it real or an artifact?. <i>BMC Proceedings</i> , 2007, 1, S94.	1.6	12
43	pETM: a penalized Exponential Tilt Model for analysis of correlated high-dimensional DNA methylation data. <i>Bioinformatics</i> , 2017, 33, 1765-1772.	4.1	12
44	Extracellular Matrix Rigidity Modulates Human Cervical Smooth Muscle Contractilityâ€“New Insights into Premature Cervical Failure and Spontaneous Preterm Birth. <i>Reproductive Sciences</i> , 2021, 28, 237-251.	2.5	12
45	Methods for Detecting Interactions between Imprinted Genes and Environmental Exposures Using Birth Cohort Designs with Mother-Offspring Pairs. <i>Human Heredity</i> , 2011, 71, 196-208.	0.8	10
46	Accounting for differential variability in detecting differentially methylated regions. <i>Briefings in Bioinformatics</i> , 2019, 20, 47-57.	6.5	10
47	Telomere dynamics across the early life course: Findings from a longitudinal study in children. <i>Psychoneuroendocrinology</i> , 2021, 129, 105270.	2.7	10
48	Whole-genome linkage analysis in mapping alcoholism genes using single-nucleotide polymorphisms and microsatellites. <i>BMC Genetics</i> , 2005, 6, S28.	2.7	9
49	A power set-based statistical selection procedure to locate susceptible rare variants associated with complex traits with sequencing data. <i>Bioinformatics</i> , 2014, 30, 2317-2323.	4.1	9
50	Detection of epigenetic field defects using a weighted epigenetic distance-based method. <i>Nucleic Acids Research</i> , 2019, 47, e6-e6.	14.5	9
51	Introduction of an Analgesia Prescription Guideline Can Reduce Unused Opioids After Cardiac Surgery: A Before and After Cohort Study. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021, 35, 1704-1711.	1.3	8
52	A methodological pipeline to generate an epigenetic marker of prenatal exposure to air pollution indicators. <i>Epigenetics</i> , 2022, 17, 32-40.	2.7	8
53	Inflammation and Mortality in COVID-19 Hospitalized Patients With and Without Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, , .	3.6	8
54	PLEMT: A Novel Pseudolikelihood-Based EM Test for Homogeneity in Generalized Exponential Tilt Mixture Models. <i>Journal of the American Statistical Association</i> , 2017, 112, 1393-1404.	3.1	7

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55	Prenatal PM2.5 Exposure in Relation to Maternal and Newborn Telomere Length at Delivery. <i>Toxics</i> , 2022, 10, 13.	3.7	7
56	Methods for detecting interactions between genetic polymorphisms and prenatal environment exposure with a mother-child design. <i>Genetic Epidemiology</i> , 2010, 34, 125-132.	1.3	6
57	Impact of Early, Low-Dose Factor VIIa on Subsequent Transfusions and Length of Stay in Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2022, 36, 147-154.	1.3	5
58	Sample Size Needed to Detect Gene-Gene Interactions Using Linkage Analysis. <i>Annals of Human Genetics</i> , 2007, 71, 828-842.	0.8	4
59	A novel method for source-specific hemoglobin adducts of nitro-polycyclic aromatic hydrocarbons. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 780-789.	3.5	4
60	Easily Screenable Characteristics Associated with Cognitive Improvement and Dysfunction After Carotid Endarterectomy. <i>World Neurosurgery</i> , 2019, 121, e200-e206.	1.3	4
61	A fast score test for generalized mixture models. <i>Biometrics</i> , 2020, 76, 811-820.	1.4	4
62	Association Studies of Environmental Exposures, DNA Methylation and Children's Cognitive, Behavioral, and Mental Health Problems. <i>Frontiers in Genetics</i> , 2022, 13, 871820.	2.3	4
63	Joint study of genetic regulators for expression traits related to breast cancer. <i>BMC Proceedings</i> , 2007, 1, S10.	1.6	3
64	Long-term Healthcare Utilization by Medicaid Enrolled Children with Neonatal Abstinence Syndrome. <i>Journal of Pediatrics</i> , 2020, 221, 55-63.e6.	1.8	3
65	Similarity-based health risk prediction using Domain Fusion and electronic health records data. <i>Journal of Biomedical Informatics</i> , 2021, 116, 103711.	4.3	3
66	Predicting Poor Outcome of COVID-19 Patients on the Day of Admission with the COVID-19 Score. <i>Critical Care Research and Practice</i> , 2021, 2021, 1-8.	1.1	3
67	A powerful and flexible weighted distance-based method incorporating interactions between DNA methylation and environmental factors on health outcomes. <i>Bioinformatics</i> , 2020, 36, 653-659.	4.1	2
68	Normalization of B Cell Subsets but Not T Follicular Helper Phenotypes in Infants With Very Early Antiretroviral Treatment. <i>Frontiers in Pediatrics</i> , 2021, 9, 618191.	1.9	2
69	Gene-Environment Interactions on Growth Trajectories. <i>Genetic Epidemiology</i> , 2012, 36, 206-213.	1.3	1
70	mirPLS: a partial linear structure identifier method for cancer subtyping using microRNAs. <i>Bioinformatics</i> , 2020, 36, 4902-4909.	4.1	1
71	MicroRNA-Based Cancer Mortality Risk Scoring System and hTERT Expression in Early-Stage Oral Squamous Cell Carcinoma. <i>Journal of Oncology</i> , 2021, 2021, 1-11.	1.3	1
72	Virologic Response to Very Early HIV Treatment in Neonates. <i>Journal of Clinical Medicine</i> , 2021, 10, 2074.	2.4	1

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73	Validity of a method for identifying disease subtypes that are etiologically heterogeneous. <i>Statistical Methods in Medical Research</i> , 2021, 30, 2045-2056.	1.5	1
74	Mapping Quantitative Trait Loci in Noninbred Mosquito Crosses. <i>Genetics</i> , 2006, 172, 2293-2308.	2.9	0
75	Genetic polymorphisms in the RNA polymerase II core promoter and enhancer elements of the UGT1A1 promoter influence activation of its gene transcription. <i>FASEB Journal</i> , 2008, 22, 921.16.	0.5	0
76	Single nucleotide polymorphisms in cytochrome P450 oxidoreductase influence drug metabolism. <i>FASEB Journal</i> , 2008, 22, 1134.5.	0.5	0
77	Serum adiponectin and overall survival in a prospective cohort of patients with hepatocellular carcinoma.. <i>Journal of Clinical Oncology</i> , 2012, 30, 205-205.	1.6	0
78	Detection of Epigenetic Field Defects Using a Weighted Epigenetic Distance-Based Method. <i>Methods in Molecular Biology</i> , 2020, 2117, 109-131.	0.9	0