

Kai Wang

List of Publications by Year in descending order

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47
papers

1,504
citations

516215

16
h-index

315357

38
g-index

49
all docs

49
docs citations

49
times ranked

3515
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysing biological pathways in genome-wide association studies. <i>Nature Reviews Genetics</i> , 2010, 11, 843-854.	7.7	722
2	A principal components regression approach to multilocus genetic association studies. <i>Genetic Epidemiology</i> , 2008, 32, 108-118.	0.6	124
3	A Constrained-Likelihood Approach to Marker-Trait Association Studies. <i>American Journal of Human Genetics</i> , 2005, 77, 768-780.	2.6	51
4	A 10-month prospective study of organophosphorus pesticide exposure and neurobehavioral performance among adolescents in Egypt. <i>Cortex</i> , 2016, 74, 383-395.	1.1	48
5	ATOM: a powerful gene-based association test by combining optimally weighted markers. <i>Bioinformatics</i> , 2009, 25, 497-503.	1.8	45
6	The impact of repeated organophosphorus pesticide exposure on biomarkers and neurobehavioral outcomes among adolescent pesticide applicators. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2017, 80, 542-555.	1.1	42
7	A Genome-Wide Association Study for Primary Open Angle Glaucoma and Macular Degeneration Reveals Novel Loci. <i>PLoS ONE</i> , 2013, 8, e58657.	1.1	35
8	Occupational pesticide exposure and symptoms of attention deficit hyperactivity disorder in adolescent pesticide applicators in Egypt. <i>NeuroToxicology</i> , 2019, 74, 1-6.	1.4	31
9	Comparison of neurological health outcomes between two adolescent cohorts exposed to pesticides in Egypt. <i>PLoS ONE</i> , 2017, 12, e0172696.	1.1	29
10	Testing for genetic association in the presence of population stratification in genome-wide association studies. <i>Genetic Epidemiology</i> , 2009, 33, 637-645.	0.6	27
11	RetFM-J, an ImageJ-based module for automated counting and quantifying features of nuclei in retinal whole-mounts. <i>Experimental Eye Research</i> , 2016, 146, 386-392.	1.2	24
12	Boosting the Power of the Sequence Kernel Association Test by Properly Estimating Its Null Distribution. <i>American Journal of Human Genetics</i> , 2016, 99, 104-114.	2.6	23
13	Quantitative measurement of retinal ganglion cell populations via histology-based random forest classification. <i>Experimental Eye Research</i> , 2016, 146, 370-385.	1.2	23
14	An Analytical Comparison of the Principal Component Method and the Mixed Effects Model for Association Studies in the Presence of Cryptic Relatedness and Population Stratification. <i>Human Heredity</i> , 2013, 76, 1-9.	0.4	20
15	Mapping Quantitative Trait Loci Using Multiple Phenotypes in General Pedigrees. <i>Human Heredity</i> , 2003, 55, 1-15.	0.4	19
16	Gene-based interaction analysis by incorporating external linkage disequilibrium information. <i>European Journal of Human Genetics</i> , 2011, 19, 164-172.	1.4	18
17	A Powerful Variant-Set Association Test Based on Chi-Square Distribution. <i>Genetics</i> , 2017, 207, 903-910.	1.2	15
18	Absence of BBSome function leads to astrocyte reactivity in the brain. <i>Molecular Brain</i> , 2019, 12, 48.	1.3	14

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19	Gene-based sequential burden association test. <i>Statistics in Medicine</i> , 2019, 38, 2353-2363.	0.8	13
20	Testing Genetic Association by Regressing Genotype over Multiple Phenotypes. <i>PLoS ONE</i> , 2014, 9, e106918.	1.1	13
21	Statistical tests of genetic association for case-control study designs. <i>Biostatistics</i> , 2012, 13, 724-733.	0.9	11
22	Systematic review of human biomonitoring studies of ethylenethiourea, a urinary biomarker for exposure to dithiocarbamate fungicides. <i>Environmental Pollution</i> , 2022, 292, 118419.	3.7	11
23	Genetic association tests in the presence of epistasis or gene-environment interaction. <i>Genetic Epidemiology</i> , 2008, 32, 606-614.	0.6	10
24	Genetic association test based on principal component analysis. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2017, 16, 189-198.	0.2	10
25	Gene-based genetic association test with adaptive optimal weights. <i>Genetic Epidemiology</i> , 2018, 42, 95-103.	0.6	10
26	Effect of selection bias on two sample summary data based Mendelian randomization. <i>Scientific Reports</i> , 2021, 11, 7585.	1.6	10
27	Efficient Score Statistics for Mapping Quantitative Trait Loci with Extended Pedigrees. <i>Human Heredity</i> , 2002, 54, 57-68.	0.4	9
28	Score test for mapping quantitative-trait loci with sibships of arbitrary size when the dominance effect is not negligible. <i>Genetic Epidemiology</i> , 2002, 23, 398-412.	0.6	9
29	A gene-based test of association through an orthogonal decomposition of genotype scores. <i>Human Genetics</i> , 2017, 136, 1385-1394.	1.8	8
30	Understanding Power Anomalies in Mediation Analysis. <i>Psychometrika</i> , 2018, 83, 387-406.	1.2	8
31	A mouse model of Bardet-Biedl Syndrome has impaired fear memory, which is rescued by lithium treatment. <i>PLoS Genetics</i> , 2021, 17, e1009484.	1.5	8
32	Statistical Tests for Detecting Rare Variants Using Variance-Stabilising Transformations. <i>Annals of Human Genetics</i> , 2012, 76, 402-409.	0.3	7
33	Score tests for epistasis models on quantitative traits using general pedigree data. <i>Genetic Epidemiology</i> , 2003, 25, 314-326.	0.6	6
34	Genome-wide linkage analysis of blood pressure under locus heterogeneity. <i>BMC Genetics</i> , 2003, 4, S78.	2.7	6
35	A genetic association test through combining two independent tests. <i>Genomics</i> , 2019, 111, 1152-1159.	1.3	6
36	Bivariate linkage analysis of cholesterol and triglyceride levels in the Framingham Heart Study. <i>BMC Genetics</i> , 2003, 4, S62.	2.7	5

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37	Evaluation of occupational pesticide exposure on Egyptian male adolescent cognitive and motor functioning. <i>Environmental Research</i> , 2021, 197, 111137.	3.7	5
38	Association of KCNB1 to rheumatoid arthritis via interaction with HLA-DRB1. <i>BMC Proceedings</i> , 2009, 3, S134.	1.8	4
39	A novel gene-set association test based on variance-gamma distribution. <i>Statistical Methods in Medical Research</i> , 2019, 28, 2868-2875.	0.7	4
40	Maximum Likelihood Analysis of Linear Mediation Models with Treatmentâ€“Mediator Interaction. <i>Psychometrika</i> , 2019, 84, 719-748.	1.2	4
41	Estimation of Causal Effect of Age at Menarche on Pubertal Height Growth Using Mendelian Randomization. <i>Genes</i> , 2022, 13, 710.	1.0	4
42	An Analytic Study of the Power of Popular Quantitative-Trait-Locus Mapping Methods. <i>Behavior Genetics</i> , 2008, 38, 554-559.	1.4	2
43	Treating phenotype as given: a simple resampling method for genome-wide association studies. <i>BMC Proceedings</i> , 2011, 5, S60.	1.8	2
44	Multiple testing in highâ€“throughput sequence data: experiences from Group 8 of Genetic Analysis Workshop 17. <i>Genetic Epidemiology</i> , 2011, 35, S61-6.	0.6	2
45	Direct effect and indirect effect on an outcome under nonlinear modeling. <i>International Journal of Biostatistics</i> , 2020, 16, .	0.4	2
46	Linkage analysis of systolic blood pressure: a score statistic and computer implementation. <i>BMC Genetics</i> , 2003, 4, S77.	2.7	1
47	Misdiagnosis of fungal infections of the orbit. <i>Canadian Journal of Ophthalmology</i> , 2022, , .	0.4	0