

Zhaoxia Yu

List of Publications by Year in descending order

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28
papers

1,033
citations

687363

13
h-index

526287

27
g-index

29
all docs

29
docs citations

29
times ranked

2206
citing authors

#	ARTICLE	IF	CITATIONS
1	Beyond t test and ANOVA: applications of mixed-effects models for more rigorous statistical analysis in neuroscience research. <i>Neuron</i> , 2022, 110, 21-35.	8.1	189
2	Simultaneous Genotype Calling and Haplotype Phasing Improves Genotype Accuracy and Reduces False-Positive Associations for Genome-wide Association Studies. <i>American Journal of Human Genetics</i> , 2009, 85, 847-861.	6.2	186
3	Genetics and the environment converge to dysregulate N-glycosylation in multiple sclerosis. <i>Nature Communications</i> , 2011, 2, 334.	12.8	142
4	Cardiovascular diseases in middle aged and older adults in China: the joint effects and mediation of different types of physical exercise and neighborhood greenness and walkability. <i>Environmental Research</i> , 2018, 167, 175-183.	7.5	103
5	Perioperative goal-directed therapy and postoperative outcomes in patients undergoing high-risk abdominal surgery: a historical-prospective, comparative effectiveness study. <i>Critical Care</i> , 2015, 19, 261.	5.8	75
6	Methods to impute missing genotypes for population data. <i>Human Genetics</i> , 2007, 122, 495-504.	3.8	47
7	Musical trends and predictability of success in contemporary songs in and out of the top charts. <i>Royal Society Open Science</i> , 2018, 5, 171274.	2.4	43
8	Subanesthetic Ketamine Reactivates Adult Cortical Plasticity to Restore Vision from Amblyopia. <i>Current Biology</i> , 2020, 30, 3591-3603.e8.	3.9	38
9	Hypomorphic MGAT5 polymorphisms promote multiple sclerosis cooperatively with MGAT1 and interleukin-2 and 7 receptor variants. <i>Journal of Neuroimmunology</i> , 2013, 256, 71-76.	2.3	29
10	N-acetylglucosamine drives myelination by triggering oligodendrocyte precursor cell differentiation. <i>Journal of Biological Chemistry</i> , 2020, 295, 17413-17424.	3.4	29
11	A pathway analysis method for genome-wide association studies. <i>Statistics in Medicine</i> , 2012, 31, 988-1000.	1.6	17
12	Identifying Group-Specific Sequences for Microbial Communities Using Long k-mer Sequence Signatures. <i>Frontiers in Microbiology</i> , 2018, 9, 872.	3.5	17
13	Partitioning heritability analyses unveil the genetic architecture of human brain multidimensional functional connectivity patterns. <i>Human Brain Mapping</i> , 2020, 41, 3305-3317.	3.6	17
14	Implementing random scan Gibbs samplers. <i>Computational Statistics</i> , 2005, 20, 177-196.	1.5	15
15	Association of a Marker of N-Acetylglucosamine With Progressive Multiple Sclerosis and Neurodegeneration. <i>JAMA Neurology</i> , 2021, 78, 842.	9.0	15
16	Genome-Wide Analysis of Gene-Gene and Gene-Environment Interactions Using Closed-Form Wald Tests. <i>Genetic Epidemiology</i> , 2015, 39, 446-455.	1.3	12
17	Gender Interacts with Opioid Receptor Polymorphism A118G and Serotonin Receptor Polymorphism α 1438A/G on Speed-Dating Success. <i>Human Nature</i> , 2016, 27, 244-260.	1.6	11
18	Genotype determination for polymorphisms in linkage disequilibrium. <i>BMC Bioinformatics</i> , 2009, 10, 63.	2.6	7

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19	Pseudosibship methods in the caseâ€parents design. <i>Statistics in Medicine</i> , 2011, 30, 3236-3251.	1.6	7
20	Family-based association tests using genotype data with uncertainty. <i>Biostatistics</i> , 2012, 13, 228-240.	1.5	7
21	Initial clinical experience with near-infrared spectroscopy in assessing cerebral tissue oxygen saturation in cerebral vasospasm before and after intra-arterial verapamil injection. <i>Journal of Clinical Neuroscience</i> , 2016, 26, 63-69.	1.5	7
22	Contrasting linkage disequilibrium as a multilocus family-based association test. <i>Genetic Epidemiology</i> , 2011, 35, n/a-n/a.	1.3	5
23	Incorporating parental information into family-based association tests. <i>Biostatistics</i> , 2013, 14, 556-572.	1.5	5
24	Testing Gene-Gene Interactions in the Case-Parents Design. <i>Human Heredity</i> , 2011, 71, 171-179.	0.8	4
25	To deconvolve, or not to deconvolve: Inferences of neuronal activities using calcium imaging data. <i>Journal of Neuroscience Methods</i> , 2022, 366, 109431.	2.5	2
26	Ridgeâ€penalized adaptive Mantel test and its application in imaging genetics. <i>Statistics in Medicine</i> , 2021, 40, 5313-5332.	1.6	1
27	Bayesian Nonparametric Analysis for the Detection of Spikes in Noisy Calcium Imaging Data. <i>Biometrics</i> , 2023, 79, 1370-1382.	1.4	1
28	Ridge Penalization in High-Dimensional Testing With Applications to Imaging Genetics. <i>Frontiers in Neuroscience</i> , 2022, 16, 836100.	2.8	0