

Xiang Zhan

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

552
citations

687363

13
h-index

713466

21
g-index

42
all docs

42
docs citations

42
times ranked

727
citing authors

#	ARTICLE	IF	CITATIONS
1	Vaginal microbiota and genitourinary menopausal symptoms: a cross-sectional analysis. <i>Menopause</i> , 2017, 24, 1160-1166.	2.0	62
2	MiRKAT-S: a community-level test of association between the microbiota and survival times. <i>Microbiome</i> , 2017, 5, 17.	11.1	50
3	A small-sample multivariate kernel machine test for microbiome association studies. <i>Genetic Epidemiology</i> , 2017, 41, 210-220.	1.3	37
4	A Fast Small-Sample Kernel Independence Test for Microbiome Community-Level Association Analysis. <i>Biometrics</i> , 2017, 73, 1453-1463.	1.4	36
5	Powerful Genetic Association Analysis for Common or Rare Variants with High-Dimensional Structured Traits. <i>Genetics</i> , 2017, 206, 1779-1790.	2.9	36
6	Loss of Skin Microbial Diversity and Alteration of Bacterial Metabolic Function in Hidradenitis Suppurativa. <i>Journal of Investigative Dermatology</i> , 2020, 140, 716-720.	0.7	32
7	A Distance-Based Kernel Association Test Based on the Generalized Linear Mixed Model for Correlated Microbiome Studies. <i>Frontiers in Genetics</i> , 2019, 10, 458.	2.3	31
8	A small-sample kernel association test for correlated data with application to microbiome association studies. <i>Genetic Epidemiology</i> , 2018, 42, 772-782.	1.3	30
9	Kernel approaches for differential expression analysis of mass spectrometry-based metabolomics data. <i>BMC Bioinformatics</i> , 2015, 16, 77.	2.6	27
10	Generalized Hotelling's test for paired compositional data with application to human microbiome studies. <i>Genetic Epidemiology</i> , 2018, 42, 459-469.	1.3	20
11	Trend of influenza vaccine Facebook posts in last 4 years: a content analysis. <i>American Journal of Infection Control</i> , 2020, 48, 361-367.	2.3	20
12	MiRKAT: kernel machine regression-based global association tests for the microbiome. <i>Bioinformatics</i> , 2021, 37, 1595-1597.	4.1	18
13	A novel copy number variants kernel association test with application to autism spectrum disorders studies. <i>Bioinformatics</i> , 2016, 32, 3603-3610.	4.1	17
14	Prioritizing genetic variants in GWAS with lasso using permutation-assisted tuning. <i>Bioinformatics</i> , 2020, 36, 3811-3817.	4.1	15
15	Identification of Key Signaling Pathways Orchestrating Substrate Topography Directed Osteogenic Differentiation Through High-Throughput siRNA Screening. <i>Scientific Reports</i> , 2019, 9, 1001.	3.3	11
16	Compositional knockoff filter for high-dimensional regression analysis of microbiome data. <i>Biometrics</i> , 2021, 77, 984-995.	1.4	11
17	Assessing Contamination of Stream Networks near Shale Gas Development Using a New Geospatial Tool. <i>Environmental Science & Technology</i> , 2020, 54, 8632-8639.	10.0	11
18	A behavioral model for mapping the genetic architecture of gut-microbiota networks. <i>Gut Microbes</i> , 2021, 13, 1820847.	9.8	11

#	ARTICLE	IF	CITATIONS
19	An Adaptive Multivariate Two-Sample Test With Application to Microbiome Differential Abundance Analysis. <i>Frontiers in Genetics</i> , 2019, 10, 350.	2.3	10
20	An Adaptive Genetic Association Test Using Double Kernel Machines. <i>Statistics in Biosciences</i> , 2015, 7, 262-281.	1.2	8
21	Kernel machine methods for integrative analysis of genome-wide methylation and genotyping studies. <i>Genetic Epidemiology</i> , 2018, 42, 156-167.	1.3	8
22	Interrogation of Internal Workings in Microbial Community Assembly: Play a Game through a Behavioral Network?. <i>MSystems</i> , 2019, 4, .	3.8	7
23	Relationship Between MiRKAT and Coefficient of Determination in Similarity Matrix Regression Processes, 2019, 7, 79.	2.8	5
24	Safety of bariatric surgery in patients with coronary artery disease. <i>Surgery for Obesity and Related Diseases</i> , 2020, 16, 2031-2037.	1.2	4
25	Associations between stool micro-transcriptome, gut microbiota, and infant growth. <i>Journal of Developmental Origins of Health and Disease</i> , 2021, 12, 876-882.	1.4	4
26	MiRKAT-MC: A Distance-Based Microbiome Kernel Association Test With Multi-Categorical Outcomes. <i>Frontiers in Genetics</i> , 2022, 13, 841764.	2.3	4
27	Reader Reaction: A Note on Testing and Estimation in Marker-set Association Study Using Semiparametric Quantile Regression Kernel Machine. <i>Biometrics</i> , 2018, 74, 764-766.	1.4	3
28	Testing microbiome association using integrated quantile regression models. <i>Bioinformatics</i> , 2022, 38, 419-425.	4.1	3
29	Resident Training and the Assessment of Orthopaedic Surgical Skills. <i>JBJS Open Access</i> , 2021, 6, .	1.5	3
30	Adaptive and powerful microbiome multivariate association analysis via feature selection. <i>NAR Genomics and Bioinformatics</i> , 2022, 4, lqab120.	3.2	3
31	Incorporating auxiliary information for improved prediction using combination of kernel machines. <i>Statistical Methodology</i> , 2015, 22, 47-57.	0.5	2
32	Surgical Management of Vestibular Schwannoma: Practice Pattern Analysis via NSQIP. <i>Annals of Otolaryngology, Rhinology and Laryngology</i> , 2020, 129, 230-237.	1.1	2
33	Variant-set association test for generalized linear mixed model. <i>Genetic Epidemiology</i> , 2021, 45, 402-412.	1.3	2
34	Assessment of Patient Perspectives and Barriers to Self-Infusion of Augmentation Therapy for Alpha-1 Antitrypsin Deficiency During the COVID-19 Pandemic. <i>Pulmonary Therapy</i> , 2022, 8, 95.	2.2	2
35	Nonlinear predictive directions in clinical trials. <i>Computational Statistics and Data Analysis</i> , 2022, 174, 107476.	1.2	2
36	Response to Ring et al.: In Silico Predictive Metagenomic Analyses Highlight Key Metabolic Pathways Impacted in the Hidradenitis Suppurativa Skin Microbiome. <i>Journal of Investigative Dermatology</i> , 2020, 140, 1476-1479.	0.7	1

#	ARTICLE	IF	CITATIONS
37	A novel power-based approach to Gaussian kernel selection in the kernel-based association test. <i>Statistical Methodology</i> , 2016, 33, 180-191.	0.5	0