Yanxun Xu

List of Publications by Year
in descending order

58 papers	2,286 citations	394421 19 h-index	243625 44 g-index
63 all docs	63 docs citations	63 times ranked	4121 citing authors

#	Article	IF	Citations
1	Assessing the clinical utility of cancer genomic and proteomic data across tumor types. Nature Biotechnology, 2014, 32, 644-652.	17.5	257
2	Comprehensive molecular characterization of mitochondrial genomes in human cancers. Nature Genetics, 2020, 52, 342-352.	21.4	256
3	Comprehensive Characterization of Molecular Differences in Cancer between Male and Female Patients. Cancer Cell, 2016, 29, 711-722.	16.8	242
4	TCGA-assembler 2: software pipeline for retrieval and processing of TCGA/CPTAC data. Bioinformatics, 2018, 34, 1615-1617.	4.1	182
5	Enter the Matrix: Factorization Uncovers Knowledge from Omics. Trends in Genetics, 2018, 34, 790-805.	6.7	181
6	The Pan-Cancer analysis of pseudogene expression reveals biologically and clinically relevant tumour subtypes. Nature Communications, 2014, 5, 3963.	12.8	143
7	Racial and Ethnic Discrepancy in Pulse Oximetry and Delayed Identification of Treatment Eligibility Among Patients With COVID-19. JAMA Internal Medicine, 2022, 182, 730.	5.1	128
8	Comparison of Time to Clinical Improvement With vs Without Remdesivir Treatment in Hospitalized Patients With COVID-19. JAMA Network Open, 2021, 4, e213071.	5.9	113
9	Prediction of lung cancer risk at follow-up screening with low-dose CT: a training and validation study of a deep learning method. The Lancet Digital Health, 2019, 1, e353-e362.	12.3	76
10	Multivariate relationships between peripheral inflammatory marker subtypes and cognitive and brain structural measures in psychosis. Molecular Psychiatry, 2021, 26, 3430-3443.	7.9	75
11	Sex Differences in Neurocognitive Function in Adults with HIV: Patterns, Predictors, and Mechanisms. Current Psychiatry Reports, 2019, 21, 94.	4.5	54
12	Bayesian Nonparametric Estimation for Dynamic Treatment Regimes With Sequential Transition Times. Journal of the American Statistical Association, 2016, 111, 921-950.	3.1	50
13	Development of Severe COVID-19 Adaptive Risk Predictor (SCARP), a Calculator to Predict Severe Disease or Death in Hospitalized Patients With COVID-19. Annals of Internal Medicine, 2021, 174, 777-785.	3.9	44
14	Real-World Effectiveness of Remdesivir in Adults Hospitalized With Coronavirus Disease 2019 (COVID-19): A Retrospective, Multicenter Comparative Effectiveness Study. Clinical Infectious Diseases, 2022, 75, e516-e524.	5.8	44
15	Subgroup-Based Adaptive (SUBA) Designs for Multi-arm Biomarker Trials. Statistics in Biosciences, 2016, 8, 159-180.	1.2	33
16	Inflammatory Subtypes in Antipsychotic-Naïve First-Episode Schizophrenia are Associated with Altered Brain Morphology and Topological Organization. Brain, Behavior, and Immunity, 2022, 100, 297-308.	4.1	28
17	Zodiac: A Comprehensive Depiction of Genetic Interactions in Cancer by Integrating TCGA Data. Journal of the National Cancer Institute, 2015, 107, .	6.3	27
18	Bayesian Projected Calibration of Computer Models. Journal of the American Statistical Association, 2021, 116, 1965-1982.	3.1	23

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19	Tocilizumab for the Treatment of COVID-19 Among Hospitalized Patients: A Matched Retrospective Cohort Analysis. Open Forum Infectious Diseases, 2021, 8, ofaa598.	0.9	23
20	MAD Bayes for Tumor Heterogeneityâ€"Feature Allocation With Exponential Family Sampling. Journal of the American Statistical Association, 2015, 110, 503-514.	3.1	22
21	Bayesian Repulsive Gaussian Mixture Model. Journal of the American Statistical Association, 2020, 115, 187-203.	3.1	20
22	Bayesian Inference for Latent Biologic Structure With Determinantal Point Processes (DPP). Biometrics, 2016, 72, 955-964.	1.4	18
23	Weight and Body Mass Index Change After Switching to Integrase Inhibitors or Tenofovir Alafenamide Among Women Living with HIV. AIDS Research and Human Retroviruses, 2021, 37, 461-467.	1.1	18
24	Data-driven discovery of interpretable causal relations for deep learning material laws with uncertainty propagation. Granular Matter, 2022, 24, 1.	2.2	18
25	Associations between Antiretroviral Drugs on Depressive Symptomatology in Homogenous Subgroups of Women with HIV. Journal of NeuroImmune Pharmacology, 2021, 16, 181-194.	4.1	15
26	Nonparametric Bayesian Bi-Clustering for Next Generation Sequencing Count Data. Bayesian Analysis, 2013, 8, 759-780.	3.0	12
27	Peripheral Plasma Cells Associated with Mortality Benefit in Severe COVID-19: A Marker of Disease Resolution. American Journal of Medicine, 2021, 134, 1029-1033.	1.5	11
28	Bayesian Non-Parametric Survival Regression for Optimizing Precision Dosing of Intravenous Busulfan in Allogeneic Stem Cell Transplantation. Journal of the Royal Statistical Society Series C: Applied Statistics, 2019, 68, 809-828.	1.0	10
29	Patterns and Predictors of Cognitive Function Among Virally Suppressed Women With HIV. Frontiers in Neurology, 2021, 12, 604984.	2.4	10
30	A Bayesian graphical model for integrative analysis of TCGA data. , 2012, 2012, 135-138.		9
31	Clinical trial design as a decision problem. Applied Stochastic Models in Business and Industry, 2017, 33, 296-301.	1.5	9
32	Sex-specific associations between cerebrospinal fluid inflammatory marker levels and cognitive function in antiretroviral treated people living with HIV in rural Uganda. Brain, Behavior, and Immunity, 2021, 93, 111-118.	4.1	9
33	Integrase Strand Transfer Inhibitor Start or Switch Impacts Learning in Women With HIV. Journal of Acquired Immune Deficiency Syndromes (1999), 2021, 86, 593-599.	2.1	9
34	Early Inflammatory Signatures Predict Subsequent Cognition in Long-Term Virally Suppressed Women With HIV. Frontiers in Integrative Neuroscience, 2020, 14, 20.	2.1	8
35	Associations between Antiretrovirals and Cognitive Function in Women with HIV. Journal of NeuroImmune Pharmacology, 2021, 16, 195-206.	4.1	8
36	The Effectiveness of High-Flow Nasal Cannula in Coronavirus Disease 2019 Pneumonia: A Retrospective Cohort Study. Critical Care Medicine, 2022, 50, e253-e262.	0.9	8

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37	Inflammation subtypes in psychosis and their relationships with genetic risk for psychiatric and cardiometabolic disorders. Brain, Behavior, & Immunity - Health, 2022, 22, 100459.	2.5	8
38	modSaRa: a computationally efficient R package for CNV identification. Bioinformatics, 2017, 33, 2384-2385.	4.1	7
39	A nonparametric Bayesian basket trial design. Biometrical Journal, 2019, 61, 1160-1174.	1.0	7
40	Brief Report: Higher Peripheral Monocyte Activation Markers Are Associated With Smaller Frontal and Temporal Cortical Volumes in Women With HIV. Journal of Acquired Immune Deficiency Syndromes (1999), 2020, 84, 54-59.	2.1	7
41	A Bayesian nonparametric approach for evaluating the causal effect of treatment in randomized trials with semi-competing risks. Biostatistics, 2022, 23, 34-49.	1.5	7
42	A Decision-Theoretic Comparison of Treatments to Resolve Air Leaks After Lung Surgery Based on Nonparametric Modeling. Bayesian Analysis, 2017, 12, 639-652.	3.0	6
43	Characterizing Cancer-Specific Networks by Integrating TCGA Data. Cancer Informatics, 2014, 13s2, CIN.S13776.	1.9	5
44	Bayesian nonparametric statistics: A new toolkit for discovery in cancer research. Pharmaceutical Statistics, 2017, 16, 414-423.	1.3	5
45	Efficient Estimation for Random Dot Product Graphs via a One-Step Procedure. Journal of the American Statistical Association, 2023, 118, 651-664.	3.1	5
46	A Bayesian nonparametric approach for inferring drug combination effects on mental health in people with HIV. Biometrics, 2022, 78, 988-1000.	1.4	4
47	Fast Nonseparable Gaussian Stochastic Process With Application to Methylation Level Interpolation. Journal of Computational and Graphical Statistics, 2020, 29, 250-260.	1.7	3
48	ASIED: a Bayesian adaptive subgroup-identification enrichment design. Journal of Biopharmaceutical Statistics, 2020, 30, 623-638.	0.8	3
49	Personalized Dynamic Treatment Regimes in Continuous Time: A Bayesian Approach for Optimizing Clinical Decisions with Timing. Bayesian Analysis, 2021, -1, .	3.0	3
50	Bayesian Sparse Spiked Covariance Model with a Continuous Matrix Shrinkage Prior. Bayesian Analysis, 2022, 17, .	3.0	3
51	BAREB: A Bayesian repulsive biclustering model for periodontal data. Statistics in Medicine, 2020, 39, 2139-2151.	1.6	2
52	BAGEL: A Bayesian graphical model for inferring drug effect longitudinally on depression in people with HIV. Annals of Applied Statistics, 2022, 16, .	1.1	2
53	A Bayesian model for SNP discovery based on next-generation sequencing data. , 2012, 2012, 42-45.		1
54	Factors Predicting Detrimental Change in Declarative Memory Among Women With HIV: A Study of Heterogeneity in Cognition. Frontiers in Psychology, 2020, 11, 548521.	2.1	1

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55	Plasma microRNAs are associated with domain-specific cognitive function in people with HIV. Aids, 2021, 35, 1795-1804.	2.2	1
56	Simultaneous Learning the Dimension and Parameter of a Statistical Model with Big Data. Statistics in Biosciences, 0, , 1.	1.2	0
57	Integrase Inhibitors are Associated with Neuropsychiatric Symptoms in Women with HIV. Journal of NeuroImmune Pharmacology, 2022, , 1.	4.1	0
58	Thromboprophylaxis in people hospitalized with <scp>COVID</scp> â€19: Assessing intermediate or standard doses in a retrospective cohort study. Research and Practice in Thrombosis and Haemostasis, 2022, 6, .	2.3	0