Jianxin Pan

List of Publications by Year
in descending order

63 papers	734 citations	567281 15 h-index	580821 25 g-index
65 all docs	65 docs citations	65 times ranked	523 citing authors

#	Article	IF	Citations
1	Modelling of covariance structures in generalised estimating equations for longitudinal data. Biometrika, 2006, 93, 927-941.	2.4	94
2	Semiparametric Mean–Covariance Regression Analysis for Longitudinal Data. Journal of the American Statistical Association, 2010, 105, 181-193.	3.1	84
3	A general joint model for longitudinal measurements and competing risks survival data with heterogeneous random effects. Lifetime Data Analysis, 2011, 17, 80-100.	0.9	43
4	Tuning model parameters in class–imbalanced learning with precision–recall curve. Biometrical Journal, 2019, 61, 652-664.	1.0	38
5	Regression models for covariance structures in longitudinal studies. Statistical Modelling, 2006, 6, 43-57.	1.1	32
6	A deterministic and stochastic model for the system dynamics of tumor–immune responses to chemotherapy. Physica A: Statistical Mechanics and Its Applications, 2018, 500, 162-176.	2.6	30
7	Covariance structure regularization via entropy loss function. Computational Statistics and Data Analysis, 2014, 72, 315-327.	1.2	28
8	Estimating the sample mean and standard deviation from order statistics and sample size in meta-analysis. Statistical Methods in Medical Research, 2021, 30, 2701-2719.	1.5	28
9	Quasi-Monte Carlo estimation in generalized linear mixed models. Computational Statistics and Data Analysis, 2007, 51, 5765-5775.	1.2	22
10	Empirical likelihood for generalized linear models with longitudinal data. Journal of Multivariate Analysis, 2013, 114, 63-73.	1.0	22
11	A novel approach for measuring bubbles uniformity and mixing efficiency in a direct contact heat exchanger. Energy, 2015, 93, 2313-2320.	8.8	22
12	Hellinger distance-based stable sparse feature selection for high-dimensional class-imbalanced data. BMC Bioinformatics, 2020, 21, 121.	2.6	21
13	Random effects selection in generalized linear mixed models via shrinkage penalty function. Statistics and Computing, 2014, 24, 725-738.	1.5	19
14	Covariance structure regularization via Frobenius-norm discrepancy. Linear Algebra and Its Applications, 2016, 510, 124-145.	0.9	19
15	Modelling conditional covariance in the linear mixed model. Statistical Modelling, 2007, 7, 49-71.	1.1	17
16	Case-Deletion Diagnostics for Linear Mixed Models. Technometrics, 2014, 56, 269-281.	1.9	16
17	Measure of bubble non-uniformity within circular region in a direct-contact heat exchanger. International Journal of Heat and Mass Transfer, 2017, 110, 257-261.	4.8	15
18	Bayesian inference for joint modelling of longitudinal continuous, binary and ordinal events. Statistical Methods in Medical Research, 2016, 25, 2521-2540.	1.5	14

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19	Hypothesis-testing combined with image analysis to quantify evolution of bubble swarms in a direct-contact boiling heat transfer process. Applied Thermal Engineering, 2017, 113, 851-857.	6.0	14
20	Non-uniformity quantification of temperature and concentration fields by statistical measure and image analysis. Applied Thermal Engineering, 2017, 124, 1134-1141.	6.0	13
21	A Tighter Set-Membership Filter for Some Nonlinear Dynamic Systems. IEEE Access, 2018, 6, 25351-25362.	4.2	13
22	Extraction and evolution of bubbles attributes in a two-phase direct contact evaporator. International Journal of Heat and Mass Transfer, 2018, 124, 761-768.	4.8	11
23	A calibration method for non-positive definite covariance matrix in multivariate data analysis. Journal of Multivariate Analysis, 2017, 157, 45-52.	1.0	10
24	A Bayesian Association Rule Mining Algorithm. , 2013, , .		8
25	Joint longitudinal and survivalâ€cure models in tumour xenograft experiments. Statistics in Medicine, 2014, 33, 3229-3240.	1.6	8
26	LASSOâ€based falseâ€positive selection for classâ€imbalanced data in metabolomics. Journal of Chemometrics, 2019, 33, e3177.	1.3	8
27	Testing for Cubic Smoothing Splines under Dependent Data. Biometrics, 2011, 67, 871-875.	1.4	7
28	Joint Modelling of Survival and Longitudinal Data with Informative Observation Times. Scandinavian Journal of Statistics, 2018, 45, 571-589.	1.4	7
29	Novel 3-D homogeneity metrics of multiple components in gas-stirred liquid systems. Powder Technology, 2018, 336, 210-219.	4.2	7
30	Integrative analysis of Mendelian randomization and Bayesian colocalization highlights four genes with putative BMI-mediated causal pathways to diabetes. Scientific Reports, 2020, 10, 7476.	3.3	7
31	jmcm: An <i>R</i> Package for Joint Mean-Covariance Modeling of Longitudinal Data. Journal of Statistical Software, 2017, 82, .	3.7	7
32	Nonparametric estimation of mean and covariance structures for longitudinal data. Canadian Journal of Statistics, 2013, 41, 557-574.	0.9	6
33	A semiparametric mixture regression model for longitudinal data. Journal of Statistical Theory and Practice, 2018, 12, 12-22.	0.5	6
34	A novel method for measuring spatial uniformity of irregular boiling bubbles in a direct contact heat exchanger. International Journal of Energy Research, 2020, 44, 8823-8840.	4.5	6
35	Estimation and optimal structure selection of high-dimensional Toeplitz covariance matrix. Journal of Multivariate Analysis, 2021, 184, 104739.	1.0	5
36	Synergistic effect of flow pattern evolution of dispersed and continuous phases in direct-contact heat transfer process. International Journal of Refrigeration, 2020, 112, 201-214.	3.4	4

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37	Discordant outlier detection in the growth curve model with Rao's simple covariance structure. Statistics and Probability Letters, 2004, 69, 135-142.	0.7	2
38	Variable Selection in Joint Mean and Dispersion Models via Double Penalized Likelihood. Sankhya B, 2014, 76, 276-304.	0.9	2
39	Variable selection in joint modelling of the mean and variance for hierarchical data. Statistical Modelling, 2015, 15, 24-50.	1.1	2
40	Joint generalized estimating equations for longitudinal binary data. Computational Statistics and Data Analysis, 2021, 155, 107110.	1.2	2
41	Limiting behavior of the gap between the largest two representative points of statistical distributions. Communications in Statistics - Theory and Methods, 2023, 52, 3290-3313.	1.0	2
42	Testing linearity in semiparametric regression models. Statistics and Its Interface, 2013, 6, 3-8.	0.3	2
43	Conditional generalized estimating equations of mean-variance-correlation for clustered data. Computational Statistics and Data Analysis, 2022, 168, 107386.	1.2	2
44	Mixture regression for longitudinal data based on joint mean–covariance model. Journal of Multivariate Analysis, 2022, 190, 104956.	1.0	2
45	Regularization for high-dimensional covariance matrix. Special Matrices, 2016, 4, .	0.5	1
46	Modeling of covariance structures of random effects and random errors in linear mixed models. Communications in Statistics - Theory and Methods, 2016, 45, 2748-2769.	1.0	1
47	Covariance Matrix Regularization for Banded Toeplitz Structure via Frobenius-Norm Discrepancy. Contributions To Statistics, 2019, , 111-125.	0.2	1
48	Correlation structure regularization via entropy loss function for high-dimension and low-sample-size data. Communications in Statistics Part B: Simulation and Computation, 2021, 50, 993-1008.	1.2	1
49	D–optimal designs of mean–covariance models for longitudinal data. Biometrical Journal, 2021, 63, 1072-1085.	1.0	1
50	Multistate analysis of multitype recurrent event and failure time data with event feedbacks in biomarkers. Scandinavian Journal of Statistics, 0, , .	1.4	1
51	Penalized joint generalized estimating equations for longitudinal binary data. Biometrical Journal, 2022, 64, 57-73.	1.0	1
52	Modelling Survival Events with Longitudinal Covariates Measured with Error. Communications in Statistics - Theory and Methods, 2013, 42, 3819-3837.	1.0	0
53	Grouped variables selection via alternating direction method of multipliers in longitudinal analysis. Journal of Physics: Conference Series, 2019, 1324, 012104.	0.4	0
54	Network estimation of multi-dimensional binary variables with application to divorce data. Journal of Physics: Conference Series, 2021, 1978, 012056.	0.4	0

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55	Modeling past event feedback through biomarker dynamics in the multistate event analysis for cardiovascular disease data. Annals of Applied Statistics, 2021, 15, .	1.1	0
56	Regularized Estimation of Covariance Structure Through Quadratic Loss Function. Contributions To Statistics, 2021, , 93-112.	0.2	0
57	jmcm: a Python package for analyzing longitudinal data using joint mean-covariance models. Communications in Statistics Part B: Simulation and Computation, 0, , 1-16.	1.2	0
58	Modelling Mean-Covariance Structures in the Growth Curve Model. , 2005, , 141-157.		0
59	Modeling of mean-covariance structures in generalized estimating equations with dropouts. Statistics and Its Interface, 2013, 6, 19-26.	0.3	0
60	Semiparametric hierarchical model with heteroscedasticity. Statistics and Its Interface, 2017, 10, 413-424.	0.3	0
61	Growth curve mixture models with unknown covariance structures. Journal of Multivariate Analysis, 2021, 188, 104904.	1.0	0
62	Latent Gaussian copula models for longitudinal binary data. Journal of Multivariate Analysis, 2022, 189, 104940.	1.0	0
63	Permutation Variation and Alternative Hyper-Sphere Decomposition. Mathematics, 2022, 10, 562.	2.2	0