

Hua Liang

List of Publications by Year in descending order

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79
papers

3,066
citations

201674

27
h-index

168389

53
g-index

79
all docs

79
docs citations

79
times ranked

1245
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimation in a semiparametric partially linear errors-in-variables model. <i>Annals of Statistics</i> , 1999, 27, 1519.	2.6	266
2	Variable selection in semiparametric regression modeling. <i>Annals of Statistics</i> , 2008, 36, 261-286.	2.6	241
3	Estimation and testing for partially linear single-index models. <i>Annals of Statistics</i> , 2010, 38, 3811-3836.	2.6	184
4	Optimal Weight Choice for Frequentist Model Average Estimators. <i>Journal of the American Statistical Association</i> , 2011, 106, 1053-1066.	3.1	175
5	Parameter Estimation for Differential Equation Models Using a Framework of Measurement Error in Regression Models. <i>Journal of the American Statistical Association</i> , 2008, 103, 1570-1583.	3.1	151
6	Variable Selection for Partially Linear Models With Measurement Errors. <i>Journal of the American Statistical Association</i> , 2009, 104, 234-248.	3.1	144
7	Focused information criterion and model averaging for generalized additive partial linear models. <i>Annals of Statistics</i> , 2011, 39, .	2.6	130
8	Partially linear models with missing response variables and error-prone covariates. <i>Biometrika</i> , 2007, 94, 185-198.	2.4	107
9	Estimation and variable selection for generalized additive partial linear models. <i>Annals of Statistics</i> , 2011, 39, .	2.6	105
10	Optimal Model Averaging Estimation for Generalized Linear Models and Generalized Linear Mixed-Effects Models. <i>Journal of the American Statistical Association</i> , 2016, 111, 1775-1790.	3.1	103
11	Estimation in Partially Linear Models With Missing Covariates. <i>Journal of the American Statistical Association</i> , 2004, 99, 357-367.	3.1	101
12	Statistical inference for semiparametric varying-coefficient partially linear models with error-prone linear covariates. <i>Annals of Statistics</i> , 2009, 37, 427-458.	2.6	97
13	A note on conditional AIC for linear mixed-effects models. <i>Biometrika</i> , 2008, 95, 773-778.	2.4	95
14	Estimation and variable selection for semiparametric additive partial linear models. <i>Statistica Sinica</i> , 2011, 21, 1225-1248.	0.3	93
15	The relationship between virologic and immunologic responses in AIDS clinical research using mixed-effects varying-coefficient models with measurement error. <i>Biostatistics</i> , 2003, 4, 297-312.	1.5	87
16	Additive partial linear models with measurement errors. <i>Biometrika</i> , 2008, 95, 667-678.	2.4	75
17	High-Dimensional ODEs Coupled With Mixed-Effects Modeling Techniques for Dynamic Gene Regulatory Network Identification. <i>Journal of the American Statistical Association</i> , 2011, 106, 1242-1258.	3.1	64
18	Sparse Additive Ordinary Differential Equations for Dynamic Gene Regulatory Network Modeling. <i>Journal of the American Statistical Association</i> , 2014, 109, 700-716.	3.1	64

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19	Backfitting Random Varying-Coefficient Models with Time-Dependent Smoothing Covariates. Scandinavian Journal of Statistics, 2004, 31, 3-19.	1.4	49
20	Estimation of constant and time-varying dynamic parameters of HIV infection in a nonlinear differential equation model. Annals of Applied Statistics, 2010, 4, 460-483.	1.1	46
21	Asymptotic normality of parametric part in partially linear models with measurement error in the nonparametric part. Journal of Statistical Planning and Inference, 2000, 86, 51-62.	0.6	41
22	Generalized partially linear mixed-effects models incorporating mismeasured covariates. Annals of the Institute of Statistical Mathematics, 2009, 61, 27-46.	0.8	38
23	Empirical Likelihood-Based Inferences for Generalized Partially Linear Models. Scandinavian Journal of Statistics, 2009, 36, 433-443.	1.4	37
24	Parsimonious Model Averaging With a Diverging Number of Parameters. Journal of the American Statistical Association, 2020, 115, 972-984.	3.1	37
25	Generalized partially linear models with missing covariates. Journal of Multivariate Analysis, 2008, 99, 880-895.	1.0	36
26	Nonlinear models with measurement errors subject to single-indexed distortion. Journal of Multivariate Analysis, 2012, 112, 1-23.	1.0	35
27	Partial linear single index models with distortion measurement errors. Annals of the Institute of Statistical Mathematics, 2013, 65, 237-267.	0.8	32
28	Generalized Partially Linear Measurement Error Models. Journal of Computational and Graphical Statistics, 2005, 14, 237-250.	1.7	30
29	Variance Function Partially Linear Single-Index Models. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2015, 77, 171-194.	2.2	29
30	Improved estimation in multiple linear regression models with measurement error and general constraint. Journal of Multivariate Analysis, 2009, 100, 726-741.	1.0	28
31	Partially linear single index models for repeated measurements. Journal of Multivariate Analysis, 2014, 130, 354-375.	1.0	23
32	Semiparametric GEE analysis in partially linear single-index models for longitudinal data. Annals of Statistics, 2015, 43, .	2.6	23
33	Semiparametric regression models with additive nonparametric components and high dimensional parametric components. Computational Statistics and Data Analysis, 2012, 56, 2006-2017.	1.2	21
34	Analysis of correlated binary data under partially linear single-index logistic models. Journal of Multivariate Analysis, 2009, 100, 278-290.	1.0	19
35	Large sample theory of the estimation of the error distribution for a semiparametric model. Communications in Statistics - Theory and Methods, 1999, 28, 2025-2036.	1.0	18
36	ESTIMATION AND VARIABLE SELECTION FOR GENERALIZED ADDITIVE PARTIAL LINEAR MODELS. , 2011, 39, 1827-1851.		17

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37	GEE analysis for longitudinal single-index quantile regression. <i>Journal of Statistical Planning and Inference</i> , 2017, 187, 78-102.	0.6	15
38	EMPIRICAL LIKELIHOOD-BASED INFERENCES FOR PARTIALLY LINEAR MODELS WITH MISSING COVARIATES. <i>Australian and New Zealand Journal of Statistics</i> , 2008, 50, 347-359.	0.9	14
39	Partially Linear Structure Selection in Cox Models with Varying Coefficients. <i>Biometrics</i> , 2013, 69, 348-357.	1.4	13
40	Checking linearity of non-parametric component in partially linear models with an application in systemic inflammatory response syndrome study. <i>Statistical Methods in Medical Research</i> , 2006, 15, 273-284.	1.5	12
41	A dimension reduction based approach for estimation and variable selection in partially linear single-index models with high-dimensional covariates. <i>Electronic Journal of Statistics</i> , 2012, 6, .	0.7	12
42	Confidence intervals for a common mean with missing data with applications in an AIDS study. <i>Computational Statistics and Data Analysis</i> , 2008, 53, 546-553.	1.2	11
43	Semiparametric Inference for ROC Curves with Censoring. <i>Scandinavian Journal of Statistics</i> , 2008, 35, 212-227.	1.4	10
44	Profiled adaptive Elastic-Net procedure for partially linear models with high-dimensional covariates. <i>Journal of Statistical Planning and Inference</i> , 2012, 142, 1733-1745.	0.6	10
45	Determination of linear components in additive models. <i>Journal of Nonparametric Statistics</i> , 2011, 23, 367-383.	0.9	9
46	GENERALIZED ADDITIVE PARTIAL LINEAR MODELS WITH HIGH-DIMENSIONAL COVARIATES. <i>Econometric Theory</i> , 2013, 29, 1136-1161.	0.7	9
47	Separation of linear and index covariates in partially linear single-index models. <i>Journal of Multivariate Analysis</i> , 2016, 143, 56-70.	1.0	9
48	Comparison of antitumor activities in tumor xenograft treatment. <i>Contemporary Clinical Trials</i> , 2007, 28, 115-119.	1.8	8
49	Semiparametric marginal and association regression methods for clustered binary data. <i>Annals of the Institute of Statistical Mathematics</i> , 2011, 63, 511-533.	0.8	8
50	Using single-index ODEs to study dynamic gene regulatory network. <i>PLoS ONE</i> , 2018, 13, e0192833.	2.5	8
51	Generalized varying coefficient partially linear measurement errors models. <i>Annals of the Institute of Statistical Mathematics</i> , 2017, 69, 97-120.	0.8	7
52	Asymptotic properties for l_1 norm kernel estimator of conditional median under dependence. <i>Journal of Nonparametric Statistics</i> , 2003, 15, 205-219.	0.9	6
53	A state space model approach for HIV infection dynamics. <i>Journal of Time Series Analysis</i> , 2012, 33, 841-849.	1.2	6
54	Composite Estimation for Single-Index Models with Responses Subject to Detection Limits. <i>Scandinavian Journal of Statistics</i> , 2018, 45, 444-464.	1.4	6

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55	A general framework for frequentist model averaging. <i>Science China Mathematics</i> , 2019, 62, 205-226.	1.7	6
56	Analysis of Schizophrenia Data Using A Nonlinear Threshold Index Logistic Model. <i>PLoS ONE</i> , 2014, 9, e109454.	2.5	5
57	A new method of evaluating antitumor activity from measured tumor volumes. <i>Contemporary Clinical Trials</i> , 2006, 27, 269-273.	1.8	4
58	Identifying significant covariates for anti-HIV treatment response: Mechanism-based differential equation models and empirical semiparametric regression models. <i>Statistics in Medicine</i> , 2008, 27, 4722-4739.	1.6	4
59	An empirical likelihood-based method for comparison of treatment effects—Test of equality of coefficients in linear models. <i>Computational Statistics and Data Analysis</i> , 2010, 54, 1079-1088.	1.2	4
60	Parametric variable selection in generalized partially linear models with an application to assess condom use by HIV-infected patients. <i>Statistics in Medicine</i> , 2011, 30, 2015-2027.	1.6	4
61	GMM estimation in partial linear models with endogenous covariates causing an over-identified problem. <i>Communications in Statistics - Theory and Methods</i> , 2016, 45, 3168-3184.	1.0	4
62	Penalized Splines For Longitudinal Data With An Application In AIDS Studies. <i>Journal of Modern Applied Statistical Methods</i> , 2006, 5, 130-139.	0.2	4
63	Variance function additive partial linear models. <i>Electronic Journal of Statistics</i> , 2015, 9, .	0.7	3
64	Selection Strategy for Covariance Structure of Random Effects in Linear Mixed-effects Models. <i>Scandinavian Journal of Statistics</i> , 2016, 43, 275-291.	1.4	3
65	Additive partially linear models for massive heterogeneous data. <i>Electronic Journal of Statistics</i> , 2019, 13, .	0.7	3
66	Choice of weights in FMA estimators under general parametric models. <i>Science China Mathematics</i> , 2013, 56, 443-457.	1.7	2
67	Model averaging procedure for partially linear single-index models. <i>Journal of Statistical Planning and Inference</i> , 2013, 143, 2160-2170.	0.6	2
68	SiAM: A hybrid of single index models and additive models. <i>Electronic Journal of Statistics</i> , 2017, 11, 2397-2423.	0.7	2
69	Parameter estimation for HIV ODE models incorporating longitudinal structure. <i>Statistics and Its Interface</i> , 2013, 6, 9-18.	0.3	1
70	Empirical-Likelihood-Based Inferences for Generalized Partially Linear Models. <i>Scandinavian Journal of Statistics</i> , 2009, 36, 433-443.	1.4	1
71	On asymptotically efficient estimation for a semiparametric regression model. <i>Acta Mathematicae Applicatae Sinica</i> , 1997, 13, 302-313.	0.7	0
72	Analysis of Relation between Virologic Responses and Immunologic Responses, Patient's Factors in AIDS Clinical Trials Using - A Semiparametric Mixed-Effects Model. <i>Biometrical Journal</i> , 2007, 49, 406-415.	1.0	0

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73	A generalized partially linear framework for variance functions. <i>Annals of the Institute of Statistical Mathematics</i> , 2018, 70, 1147-1175.	0.8	0
74	Bi-level feature selection in high dimensional AFT models with applications to a genomic study. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2019, 18, .	0.6	0
75	High-dimensional single-index models with censored responses. <i>Statistics in Medicine</i> , 2020, 39, 2743-2754.	1.6	0
76	Errors-in-Variables Models. , 2000, , 65-95.		0
77	Nonparametric and Semiparametric Regression for Independent Data. , 2014, , 293-370.		0
78	Partially Linear Structure Selection in Cox Models with Varying Coefficients. <i>Biometrics</i> , 2013, , n/a-n/a.	1.4	0
79	A Novel Estimation Method in Generalized Single Index Models. <i>Journal of Business and Economic Statistics</i> , 2023, 41, 399-413.	2.9	0