

# Zhiliang Ying

## List of Publications by Year in descending order

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91  
papers

4,029  
citations

136950

32  
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123424

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all docs

91  
docs citations

91  
times ranked

2528  
citing authors

#	ARTICLE	IF	CITATIONS
1	Specific metabolic rates of major organs and tissues across adulthood: evaluation by mechanistic model of resting energy expenditure. American Journal of Clinical Nutrition, 2010, 92, 1369-1377.	4.7	369
2	A Global Information Approach to Computerized Adaptive Testing. Applied Psychological Measurement, 1996, 20, 213-229.	1.0	242
3	Semiparametric analysis of transformation models with censored data. Biometrika, 2002, 89, 659-668.	2.4	238
4	A Large Sample Study of Rank Estimation for Censored Regression Data. Annals of Statistics, 1993, 21, 76.	2.6	215
5	A simple resampling method by perturbing the minimand. Biometrika, 2001, 88, 381-390.	2.4	212
6	a-Stratified Multistage Computerized Adaptive Testing. Applied Psychological Measurement, 1999, 23, 211-222.	1.0	199
7	Large Sample Theory of a Modified Buckley-James Estimator for Regression Analysis with Censored Data. Annals of Statistics, 1991, 19, 1370.	2.6	144
8	Rank Regression Methods for Left-Truncated and Right-Censored Data. Annals of Statistics, 1991, 19, 531.	2.6	133
9	Accelerated failure time models for counting processes. Biometrika, 1998, 85, 605-618.	2.4	130
10	Statistical Analysis of $Q$ -Matrix Based Diagnostic Classification Models. Journal of the American Statistical Association, 2015, 110, 850-866.	3.1	119
11	Estimating a Distribution Function with Truncated and Censored Data. Annals of Statistics, 1991, 19, 417.	2.6	118
12	On least-squares regression with censored data. Biometrika, 2006, 93, 147-161.	2.4	116
13	Data-Driven Learning of $Q$ -Matrix. Applied Psychological Measurement, 2012, 36, 548-564.	1.0	113
14	Towards a general asymptotic theory for Cox model with staggered entry. Annals of Statistics, 1997, 25, 662.	2.6	106
15	a-Stratified Multistage Computerized Adaptive Testing with b Blocking. Applied Psychological Measurement, 2001, 25, 333-341.	1.0	95
16	Least Absolute Relative Error Estimation. Journal of the American Statistical Association, 2010, 105, 1104-1112.	3.1	87
17	Recommendation System for Adaptive Learning. Applied Psychological Measurement, 2018, 42, 24-41.	1.0	67
18	Semiparametric inference for the accelerated life model with time-dependent covariates. Journal of Statistical Planning and Inference, 1995, 44, 47-63.	0.6	63

#	ARTICLE	IF	CITATIONS
19	Simple resampling methods for censored regression quantiles. <i>Journal of Econometrics</i> , 2000, 99, 373-386.	6.5	62
20	Analysis of least absolute deviation. <i>Biometrika</i> , 2008, 95, 107-122.	2.4	62
21	Theory of self-learning $Q$ -matrix. <i>Bernoulli</i> , 2013, 19, 1790-1817.	1.3	55
22	A reinforcement learning approach to personalized learning recommendation systems. <i>British Journal of Mathematical and Statistical Psychology</i> , 2019, 72, 108-135.	1.4	48
23	Stochastic integrals of empirical-type processes with applications to censored regression. <i>Journal of Multivariate Analysis</i> , 1988, 27, 334-358.	1.0	46
24	Evaluation of specific metabolic rates of major organs and tissues: Comparison between men and women. <i>American Journal of Human Biology</i> , 2011, 23, 333-338.	1.6	46
25	Least product relative error estimation. <i>Journal of Multivariate Analysis</i> , 2016, 144, 91-98.	1.0	46
26	Open bandit processes and optimal scheduling of queueing networks. <i>Advances in Applied Probability</i> , 1988, 20, 447-472.	0.7	44
27	Organ-Tissue Level Model of Resting Energy Expenditure Across Mammals: New Insights into Kleiber's Law. <i>ISRN Zoology</i> , 2012, 2012, 1-9.	0.5	40
28	Linear rank statistics in regression analysis with censored or truncated data. <i>Journal of Multivariate Analysis</i> , 1992, 40, 13-45.	1.0	39
29	A Unified Approach to Semiparametric Transformation Models Under General Biased Sampling Schemes. <i>Journal of the American Statistical Association</i> , 2013, 108, 217-227.	3.1	37
30	Latent Variable Selection for Multidimensional Item Response Theory Models via $L_{1}$ Regularization. <i>Psychometrika</i> , 2016, 81, 921-939.	2.1	37
31	Estimation and model selection of semiparametric multivariate survival functions under general censorship. <i>Journal of Econometrics</i> , 2010, 157, 129-142.	6.5	35
32	Plasma FLT3-L levels predict bone marrow recovery from myelosuppressive therapy. <i>Cancer</i> , 2000, 88, 333-343.	4.1	34
33	To Weight or Not to Weight? Balancing Influence of Initial Items in Adaptive Testing. <i>Psychometrika</i> , 2008, 73, 441-450.	2.1	33
34	A General Theory on Stochastic Curtailment for Censored Survival Data. <i>Journal of the American Statistical Association</i> , 1999, 94, 510-521.	3.1	30
35	Latent Feature Extraction for Process Data via Multidimensional Scaling. <i>Psychometrika</i> , 2020, 85, 378-397.	2.1	29
36	Semiparametric regression analysis of longitudinal data with informative drop-outs. <i>Biostatistics</i> , 2003, 4, 385-398.	1.5	26

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37	Rank-based variable selection with censored data. <i>Statistics and Computing</i> , 2010, 20, 165-176.	1.5	26
38	On the Identifiability of Diagnostic Classification Models. <i>Psychometrika</i> , 2019, 84, 19-40.	2.1	26
39	A Class of Weighted Log-Rank Tests for Survival Data When the Event is Rare. <i>Journal of the American Statistical Association</i> , 2000, 95, 249-258.	3.1	25
40	Generalized Sequential Probability Ratio Test for Separate Families of Hypotheses. <i>Sequential Analysis</i> , 2014, 33, 539-563.	0.5	24
41	Statistical Analysis of Complex Problem-Solving Process Data: An Event History Analysis Approach. <i>Frontiers in Psychology</i> , 2019, 10, 486.	2.1	24
42	Open bandit processes and optimal scheduling of queueing networks. <i>Advances in Applied Probability</i> , 1988, 20, 447-472.	0.7	23
43	An exploratory analysis of the latent structure of process data via action sequence autoencoders. <i>British Journal of Mathematical and Statistical Psychology</i> , 2021, 74, 1-33.	1.4	22
44	Clinical evaluation of tumor targeting with the anticarcinoembryonic antigen murine monoclonal antibody fragment, MN-14 F(ab) <sub>2</sub> . , 1996, 78, 157-168.		21
45	Comparison of diagnostic markers with repeated measurements: a non-parametric ROC curve approach. , 2000, 19, 511-523.		19
46	Semiparametric Transformation Models for Causal Inference in Time-to-Event Studies with All-or-Nothing Compliance. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2015, 77, 397-415.	2.2	19
47	Regularized Latent Class Analysis with Application in Cognitive Diagnosis. <i>Psychometrika</i> , 2017, 82, 660-692.	2.1	19
48	A cellular level approach to predicting resting energy expenditure: Evaluation of applicability in adolescents. <i>American Journal of Human Biology</i> , 2010, 22, 476-483.	1.6	18
49	Joint Analysis of Longitudinal Data with Informative Right Censoring. <i>Biometrics</i> , 2007, 63, 363-371.	1.4	17
50	Online Item Calibration for Q-Matrix in CD-CAT. <i>Applied Psychological Measurement</i> , 2015, 39, 5-15.	1.0	17
51	Latent Class Analysis of Recurrent Events in Problem-Solving Items. <i>Applied Psychological Measurement</i> , 2018, 42, 478-498.	1.0	17
52	Nonparametric Tests for the Gap Time Distributions of Serial Events Based on Censored Data. <i>Biometrics</i> , 2001, 57, 369-375.	1.4	14
53	A Rate Function Approach to Computerized Adaptive Testing for Cognitive Diagnosis. <i>Psychometrika</i> , 2015, 80, 468-490.	2.1	13
54	Regression Analysis of Doubly Truncated Data. <i>Journal of the American Statistical Association</i> , 2020, 115, 810-821.	3.1	13

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55	Bootstrapping a change-point Cox model for survival data. <i>Electronic Journal of Statistics</i> , 2014, 8, 1345-1379.	0.7	12
56	A Mixture Cure-Rate Model for Responses and Response Times in Time-Limit Tests. <i>Psychometrika</i> , 2015, 80, 748-775.	2.1	12
57	Robust Measurement via A Fused Latent and Graphical Item Response Theory Model. <i>Psychometrika</i> , 2018, 83, 538-562.	2.1	11
58	On maximizing item information and matching difficulty with ability. <i>Psychometrika</i> , 2001, 66, 69-77.	2.1	10
59	Exploratory Item Classification Via Spectral Graph Clustering. <i>Applied Psychological Measurement</i> , 2017, 41, 579-599.	1.0	9
60	A General Theory on Stochastic Curtailment for Censored Survival Data. <i>Journal of the American Statistical Association</i> , 1999, 94, 510.	3.1	9
61	Chernoff index for Cox test of separate parametric families. <i>Annals of Statistics</i> , 2018, 46, 1-29.	2.6	8
62	A latent topic model with Markov transition for process data. <i>British Journal of Mathematical and Statistical Psychology</i> , 2020, 73, 474-505.	1.4	8
63	Analysis of longitudinal health-related quality of life data with terminal events. <i>Lifetime Data Analysis</i> , 2006, 12, 169-190.	0.9	7
64	Hypothesis Testing of the Q-matrix. <i>Psychometrika</i> , 2018, 83, 515-537.	2.1	7
65	A Monte Carlo method for variance estimation for estimators based on induced smoothing. <i>Biostatistics</i> , 2015, 16, 179-188.	1.5	6
66	Design and analysis of clinical trials in the presence of delayed treatment effect. <i>Statistics in Medicine</i> , 2016, 35, 1774-1779.	1.6	6
67	Accelerated failure time model under general biased sampling scheme: Table 1.. <i>Biostatistics</i> , 2016, 17, 576-588.	1.5	6
68	ProcData: An R Package for Process Data Analysis. <i>Psychometrika</i> , 2021, 86, 1058-1083.	2.1	6
69	Sequential estimation in variable length computerized adaptive testing. <i>Journal of Statistical Planning and Inference</i> , 2004, 121, 249-264.	0.6	5
70	Plasma FLT3 <sup>ITD</sup> levels predict bone marrow recovery from myelosuppressive therapy. <i>Cancer</i> , 2000, 88, 333-343.	4.1	5
71	Sequential Analysis for Censored Regression Data. <i>Journal of the American Statistical Association</i> , 1993, 88, 890-898.	3.1	4
72	The pricing mechanism between ETF option and spot markets in China. <i>Journal of Futures Markets</i> , 2021, 41, 1286-1300.	1.8	4

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73	Power and Sample Size for Dose-Finding Studies with Survival Endpoints Under Model Uncertainty. <i>Biometrics</i> , 2019, 75, 308-314.	1.4	3
74	A new semiparametric transformation approach to disease diagnosis with multiple biomarkers. <i>Statistics in Medicine</i> , 2019, 38, 1386-1398.	1.6	3
75	Statistical inference on transformation models: a self-induced smoothing approach. <i>Journal of Nonparametric Statistics</i> , 2018, 30, 308-331.	0.9	2
76	A Class of Weighted Log-Rank Tests for Survival Data When the Event is Rare. <i>Journal of the American Statistical Association</i> , 2000, 95, 249.	3.1	2
77	Alignment of protein mass spectrometry data by integrated Markov chain shifting method. <i>Statistics and Its Interface</i> , 2009, 2, 329-340.	0.3	2
78	Log-Rank-Type Tests for Equality of Distributions in High-Dimensional Spaces. <i>Journal of Computational and Graphical Statistics</i> , 2022, 31, 1384-1396.	1.7	2
79	Functional and Parametric Estimation in a Semi- and Nonparametric Model with Application to Mass-Spectrometry Data. <i>International Journal of Biostatistics</i> , 2015, 11, 285-303.	0.7	1
80	Binary switch portfolio. <i>Quantitative Finance</i> , 2017, 17, 763-780.	1.7	1
81	Latent Theme Dictionary Model for Finding Co-occurrent Patterns in Process Data. <i>Psychometrika</i> , 2020, 85, 775-811.	2.1	1
82	Variable screening for survival data in the presence of heterogeneous censoring. <i>Scandinavian Journal of Statistics</i> , 2020, 47, 1171-1191.	1.4	1
83	ANALYSIS OF A SEQUENCE OF DEPENDENT $2 \times 2$ TABLES. , 2006, , .		1
84	AN ASYMPTOTIC PYTHAGOREAN IDENTITY. , 2003, , 20-37.		1
85	Sequential Analysis for Censored Regression Data. <i>Journal of the American Statistical Association</i> , 1993, 88, 890.	3.1	1
86	Modeling Not-Reached Items in Timed Tests: A Response Time Censoring Approach. <i>Psychometrika</i> , 2022, 87, 835-867.	2.1	1
87	A note on uniform consistency of the product-limit estimator with staggered entry. <i>Statistics and Probability Letters</i> , 1999, 42, 275-281.	0.7	0
88	Efficient estimation and related inferences in linear regression with unknown form of heteroscedasticity. <i>Journal of Nonparametric Statistics</i> , 2002, 14, 607-622.	0.9	0
89	A simple construction of optimal estimation in multivariate marginal Cox regression. <i>Science China Mathematics</i> , 2012, 55, 1827-1857.	1.7	0
90	Likelihood adaptively modified penalties. <i>Applied Stochastic Models in Business and Industry</i> , 2019, 35, 330-353.	1.5	0

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91	Asymptotic Theory in Rank Estimation for AFT Model Under Fixed Censorship. Statistics for Industry and Technology, 2004, , 107-120.	0.5	0