Ke-Hai Yuan

List of Publications by Year
in descending order

139 papers	7,097 citations	76326 40 h-index	66911 78 g-index
146 all docs	146 docs citations	146 times ranked	5421 citing authors

#	Article	IF	Citations
1	Which method is more powerful in testing the relationship of theoretical constructs? A meta comparison of structural equation modeling and path analysis with weighted composites. Behavior Research Methods, 2023, 55, 1460-1479.	4.0	8
2	Smoothed Quantiles for Ï‡2 Type Test Statistics with Applications. Multivariate Behavioral Research, 2022, 57, 223-242.	3.1	1
3	Two-level moderated mediation models with single-level data and new measures of effect sizes. Behavior Research Methods, 2022, 54, 574-596.	4.0	5
4	Which Method is More Reliable in Performing Model Modification: Lasso Regularization or Lagrange Multiplier Test?. Structural Equation Modeling, 2021, 28, 69-81.	3.8	4
5	An overview of applied robust methods. British Journal of Mathematical and Statistical Psychology, 2021, 74, 199-246.	1.4	10
6	Differential Item Functioning Analysis Without A Priori Information on Anchor Items: QQ Plots and Graphical Test. Psychometrika, 2021, 86, 345-377.	2.1	9
7	Equivalence of Partial-Least-Squares SEM and the Methods of Factor-Score Regression. Structural Equation Modeling, 2021, 28, 557-571.	3.8	15
8	Subtypes of the missing not at random missing data mechanism.. Psychological Methods, 2021, 26, 559-598.	3.5	11
9	New measures of effect size in moderation analysis.. Psychological Methods, 2021, 26, 680-700.	3.5	12
10	Regression Analysis with Latent Variables by Partial Least Squares and Four Other Composite Scores: Consistency, Bias and Correction. Structural Equation Modeling, 2020, 27, 333-350.	3.8	29
11	A Two-level Moderated Latent Variable Model with Single Level Data. Multivariate Behavioral Research, 2020, 55, 873-893.	3.1	5
12	Using Equivalence Testing to Evaluate Goodness of Fit in Multilevel Structural Equation Models. International Journal of Research and Method in Education, 2020, 43, 431-443.	1.9	9
13	Effects of Cross-loadings on Determining the Number of Factors to Retain. Structural Equation Modeling, 2020, 27, 841-863.	3.8	28
14	Callous-Unemotional traits and cyberbullying perpetration: The mediating role of moral disengagement and the moderating role of empathy. Personality and Individual Differences, 2020, 157, 109829.	2.9	40
15	On the Precision Matrix in Semi-High-Dimensional Settings. Springer Proceedings in Mathematics and Statistics, 2020, , 185-200.	0.2	0
16	Optimizing Ridge Generalized Least Squares for Structural Equation Modeling. Structural Equation Modeling, 2019, 26, 24-38.	3.8	10
17	Mean and Variance Corrected Test Statistics for Structural Equation Modeling with Many Variables. Structural Equation Modeling, 2019, 26, 827-846.	3.8	5
18	What Causes the Mean Bias of the Likelihood Ratio Statistic with Many Variables?. Multivariate Behavioral Research, 2019, 54, 840-855.	3.1	6

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19	New Effect Size Measures for Structural Equation Modeling. Structural Equation Modeling, 2019, 26, 371-389.	3.8	10
20	Asymptotic bias of normalâ€distributionâ€based maximum likelihood estimates of moderation effects with data missing at random. British Journal of Mathematical and Statistical Psychology, 2019, 72, 334-354.	1.4	3
21	On Extended Guttman Condition in High Dimensional Factor Analysis. Springer Proceedings in Mathematics and Statistics, 2019, , 221-228.	0.2	2
22	Missing Data Mechanisms and Homogeneity of Means and Variancesâ€“Covariances. Psychometrika, 2018, 83, 425-442.	2.1	4
23	Mean and Mean-and-Variance Corrections With Big Data. Structural Equation Modeling, 2018, 25, 214-229.	3.8	4
24	The Performance of Ten Modified Rescaled Statistics as the Number of Variables Increases. Structural Equation Modeling, 2018, 25, 414-438.	3.8	18
25	Meta-Analytical SEM: Equivalence Between Maximum Likelihood and Generalized Least Squares. Journal of Educational and Behavioral Statistics, 2018, 43, 693-720.	1.7	4
26	On the Bias in Eigenvalues of Sample Covariance Matrix. Springer Proceedings in Mathematics and Statistics, 2018, , 221-233.	0.2	3
27	Improving the convergence rate and speed of Fisher-scoring algorithm: ridge and anti-ridge methods in structural equation modeling. Annals of the Institute of Statistical Mathematics, 2017, 69, 571-597.	0.8	15
28	Reliable and More Powerful Methods for Power Analysis in Structural Equation Modeling. Structural Equation Modeling, 2017, 24, 315-330.	3.8	10
29	Four New Corrected Statistics for SEM With Small Samples and Nonnormally Distributed Data. Structural Equation Modeling, 2017, 24, 479-494.	3.8	32
30	More efficient parameter estimates for factor analysis of ordinal variables by ridge generalized least squares. British Journal of Mathematical and Statistical Psychology, 2017, 70, 525-564.	1.4	6
31	Empirically Corrected Rescaled Statistics for SEM with Small N and Large p. Multivariate Behavioral Research, 2017, 52, 673-698.	3.1	16
32	Univariate and multivariate skewness and kurtosis for measuring nonnormality: Prevalence, influence and estimation. Behavior Research Methods, 2017, 49, 1716-1735.	4.0	520
33	New Ways to Evaluate Goodness of Fit: A Note on Using Equivalence Testing to Assess Structural Equation Models. Structural Equation Modeling, 2017, 24, 148-153.	3.8	78
34	Advances in Measurement Invariance and Mean Comparison of Latent Variables: Equivalence Testing and A Projection-Based Approach. Frontiers in Psychology, 2017, 8, 1823.	2.1	20
35	Meta analytical structural equation modeling: comments on issues with current methods and viable alternatives. Research Synthesis Methods, 2016, 7, 215-231.	8.7	6
36	Measurement invariance via multigroup SEM: Issues and solutions with chi-square-difference tests.. Psychological Methods, 2016, 21, 405-426.	3.5	96

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37	Robust Methods for Moderation Analysis with a Two-Level Regression Model. Multivariate Behavioral Research, 2016, 51, 1-15.	3.1	11
38	Expectation-robust algorithm and estimating equations for means and dispersion matrix with missing data. Annals of the Institute of Statistical Mathematics, 2016, 68, 329-351.	0.8	9
39	Structural Equation Modeling With Unknown Population Distributions: Ridge Generalized Least Squares. Structural Equation Modeling, 2016, 23, 163-179.	3.8	29
40	Comparing Latent Means Without Mean Structure Models: A Projection-Based Approach. Psychometrika, 2016, 81, 802-829.	2.1	8
41	Assessing Structural Equation Models by Equivalence Testing With Adjusted Fit Indexes. Structural Equation Modeling, 2016, 23, 319-330.	3.8	129
42	Robust Coefficients Alpha and Omega and Confidence Intervals With Outlying Observations and Missing Data. Educational and Psychological Measurement, 2016, 76, 387-411.	2.4	108
43	Multiple-Group Analysis for Structural Equation Modeling With Dependent Samples. Structural Equation Modeling, 2015, 22, 552-567.	3.8	37
44	Psychometric Properties of Measures of Team Diversity With Likert Data. Educational and Psychological Measurement, 2015, 75, 512-534.	2.4	5
45	Bias and Efficiency for SEM With Missing Data and Auxiliary Variables: Two-Stage Robust Method Versus Two-Stage ML. Structural Equation Modeling, 2015, 22, 178-192.	3.8	15
46	Empirical Correction to the Likelihood Ratio Statistic for Structural Equation Modeling with Many Variables. Psychometrika, 2015, 80, 379-405.	2.1	38
47	Information Matrices and Standard Errors for MLEs of Item Parameters in IRT. Psychometrika, 2014, 79, 232-254.	2.1	34
48	Examining missing data mechanisms via homogeneity of parameters, homogeneity of distributions, and multivariate normality. Wiley Interdisciplinary Reviews: Computational Statistics, 2014, 6, 56-73.	3.9	3
49	Moderation Analysis Using a Two-Level Regression Model. Psychometrika, 2014, 79, 701-732.	2.1	14
50	Evaluation of Test Statistics for Robust Structural Equation Modeling With Nonnormal Missing Data. Structural Equation Modeling, 2014, 21, 553-565.	3.8	23
51	Consistency, bias and efficiency of the normal-distribution-based MLE: The role of auxiliary variables. Journal of Multivariate Analysis, 2014, 124, 353-370.	1.0	21
52	Data-driven sensitivity analysis to detect missing data mechanism with applications to structural equation modelling. Journal of Statistical Computation and Simulation, 2013, 83, 1344-1362.	1.2	7
53	Robustness of fit indices to outliers and leverage observations in structural equation modeling.. Psychological Methods, 2013, 18, 121-136.	3.5	26
54	Overview of Statistical Estimation Methods. , 2013, , .		7

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55	A class of cross-validatory model selection criteria. Hiroshima Mathematical Journal, 2013, 43, .	0.3	2
56	ML Versus MI for Missing Data With Violation of Distribution Conditions. Sociological Methods and Research, 2012, 41, 598-629.	6.8	80
57	Structural Equation Modeling Diagnostics Using R Package semdiag and EQS. Structural Equation Modeling, 2012, 19, 683-702.	3.8	18
58	Robust Structural Equation Modeling with Missing Data and Auxiliary Variables. Psychometrika, 2012, 77, 803-826.	2.1	50
59	Comparison of Reliability Measures Under Factor Analysis and Item Response Theory. Educational and Psychological Measurement, 2012, 72, 52-67.	2.4	50
60	Bias and Efficiency in Structural Equation Modeling: Maximum Likelihood Versus Robust Methods. Multivariate Behavioral Research, 2011, 46, 229-265.	3.1	49
61	Ridge structural equation modelling with correlation matrices for ordinal and continuous data. British Journal of Mathematical and Statistical Psychology, 2011, 64, 107-133.	1.4	71
62	Structural Equation Modeling. , 2011, , 202-234.		16
63	Biases and Standard Errors of Standardized Regression Coefficients. Psychometrika, 2011, 76, 670-690.	2.1	27
64	Positive Definiteness via Off-diagonal Scaling of a Symmetric Indefinite Matrix. Psychometrika, 2011, 76, 119-123.	2.1	20
65	Constrained Maximum Likelihood Estimation for Two-Level Mean and Covariance Structure Models. Educational and Psychological Measurement, 2011, 71, 325-345.	2.4	3
66	Robust Estimation of Latent Ability in Item Response Models. Journal of Educational and Behavioral Statistics, 2011, 36, 720-735.	1.7	33
67	Fitting data to model: Structural equation modeling diagnosis using two scatter plots.. Psychological Methods, 2010, 15, 335-351.	3.5	24
68	Two simple approximations to the distributions of quadratic forms. British Journal of Mathematical and Statistical Psychology, 2010, 63, 273-291.	1.4	65
69	Determinants of Standard Errors of MLEs in Confirmatory Factor Analysis. Psychometrika, 2010, 75, 633-648.	2.1	9
70	5. Finite Normal Mixture SEM Analysis by Fitting Multiple Conventional SEM Models. Sociological Methodology, 2010, 40, 191-245.	2.4	10
71	GLS Discrepancy Based Information Criteria for Selecting Covariance Structure Models. Behaviormetrika, 2010, 37, 71-86.	1.3	5
72	Consistency of Normal-Distribution-Based Pseudo Maximum Likelihood Estimates When Data Are Missing at Random. American Statistician, 2010, 64, 263-267.	1.6	16

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73	Local Influence and Robust Procedures for Mediation Analysis. Multivariate Behavioral Research, 2010, 45, 1-44.	3.1	67
74	On the Model-Based Bootstrap With Missing Data: Obtaining a P-Value for a Test of Exact Fit. Multivariate Behavioral Research, 2009, 44, 741-763.	3.1	12
75	Identifying Variables Responsible for Data not Missing at Random. Psychometrika, 2009, 74, 233-256.	2.1	6
76	Normal distribution based pseudo ML for missing data: With applications to mean and covariance structure analysis. Journal of Multivariate Analysis, 2009, 100, 1900-1918.	1.0	39
77	Smoking and Cancers: Case-Robust Analysis of a Classic Data Set. Structural Equation Modeling, 2009, 16, 382-390.	3.8	11
78	Structural equation modeling with near singular covariance matrices. Computational Statistics and Data Analysis, 2008, 52, 4842-4858.	1.2	58
79	SEM with Missing Data and Unknown Population Distributions Using Two-Stage ML: Theory and Its Application. Multivariate Behavioral Research, 2008, 43, 621-652.	3.1	37
80	8. Outliers, Leverage Observations, and Influential Cases in Factor Analysis: Using Robust Procedures to Minimize Their Effect. Sociological Methodology, 2008, 38, 329-368.	2.4	66
81	Diagnosis for Covariance Structure Models by Analyzing the Path. Structural Equation Modeling, 2008, 15, 564-602.	3.8	15
82	Noncentral Chi-Square Versus Normal Distributions in Describing the Likelihood Ratio Statistic: The Univariate Case and Its Multivariate Implication. Multivariate Behavioral Research, 2008, 43, 109-136.	3.1	12
83	13 Structural Equation Modeling. Handbook of Statistics, 2007, 27, 395-428.	0.6	5
84	A Class of Population Covariance Matrices in the Bootstrap Approach to Covariance Structure Analysis. Multivariate Behavioral Research, 2007, 42, 261-281.	3.1	19
85	On the Likelihood Ratio Test for the Number of Factors in Exploratory Factor Analysis. Structural Equation Modeling, 2007, 14, 505-526.	3.8	68
86	Robust Procedures in Structural Equation Modeling. , 2007, , 367-397.		34
87	Normal theory likelihood ratio statistic for mean and covariance structure analysis under alternative hypotheses. Journal of Multivariate Analysis, 2007, 98, 1262-1282.	1.0	36
88	17 Robust Procedures in Structural Equation Modeling. Handbook of Computing and Statistics With Applications, 2007, , 367-397.	0.1	5
89	Standard errors in covariance structure models: Asymptotics versus bootstrap. British Journal of Mathematical and Statistical Psychology, 2006, 59, 397-417.	1.4	49
90	Asymptotic robustness of standard errors in multilevel structural equation models. Journal of Multivariate Analysis, 2006, 97, 1121-1141.	1.0	17

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91	Mean Comparison: Manifest Variable Versus Latent Variable. Psychometrika, 2006, 71, 139-159.	2.1	25
92	10 Structural Equation Modeling. Handbook of Statistics, 2006, , 297-358.	0.6	35
93	Asymptotic robustness of the normal theory likelihood ratio statistic for two-level covariance structure models. Journal of Multivariate Analysis, 2005, 94, 328-343.	1.0	20
94	Four improved statistics for contrasting means by correcting skewness and kurtosis. British Journal of Mathematical and Statistical Psychology, 2005, 58, 209-237.	1.4	22
95	On Nonequivalence of Several Procedures of Structural Equation Modeling. Psychometrika, 2005, 70, 791-798.	2.1	30
96	On muthÃ©nâ€™s maximum likelihood for two-level covariance structure models. Psychometrika, 2005, 70, 147-167.	2.1	20
97	The Effect of Skewness and Kurtosis on Mean and Covariance Structure Analysis. Sociological Methods and Research, 2005, 34, 240-258.	6.8	115
98	Fit Indices Versus Test Statistics. Multivariate Behavioral Research, 2005, 40, 115-148.	3.1	312
99	Three Approximate Solutions to the Multivariate Behrensâ€“Fisher Problem. Communications in Statistics Part B: Simulation and Computation, 2005, 34, 975-988.	1.2	33
100	Some Recent Advances in Two-level Structural Equation Models: Estimation, Testing and Robustness. , 2005, , 99-120.		1
101	A New Measure of Misfit for Covariance Structure Models. Behaviormetrika, 2004, 31, 67-90.	1.3	20
102	On Chi-Square Difference and z Tests in Mean and Covariance Structure Analysis when the Base Model is Misspecified. Educational and Psychological Measurement, 2004, 64, 737-757.	2.4	188
103	Mardia's Multivariate Kurtosis with Missing Data. Multivariate Behavioral Research, 2004, 39, 413-437.	3.1	56
104	Three Mahalanobis distances and their role in assessing unidimensionality. British Journal of Mathematical and Statistical Psychology, 2004, 57, 151-165.	1.4	26
105	Structural equation modeling with heavy tailed distributions. Psychometrika, 2004, 69, 421-436.	2.1	63
106	On the asymptotic distributions of two statistics for two-level covariance structure models within the class of elliptical distributions. Psychometrika, 2004, 69, 437-457.	2.1	10
107	Bootstrap approach to inference and power analysis based on three test statistics for covariance structure models. British Journal of Mathematical and Statistical Psychology, 2003, 56, 93-110.	1.4	108
108	Eight test statistics for multilevel structural equation models. Computational Statistics and Data Analysis, 2003, 44, 89-107.	1.2	26

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109	A Study Of The Distribution Of Sample Coefficient Alpha With The Hopkins Symptom Checklist: Bootstrap Versus Asymptotics. Educational and Psychological Measurement, 2003, 63, 5-23.	2.4	28
110	Robust Bayesian Factor Analysis. Structural Equation Modeling, 2003, 10, 525-533.	3.8	5
111	A unified approach to exploratory factor analysis with missing data, nonnormal data, and in the presence of outliers. Psychometrika, 2002, 67, 95-121.	2.1	69
112	On robusiness of the normal-theory based asymptotic distributions of three reliability coefficient estimates. Psychometrika, 2002, 67, 251-259.	2.1	70
113	On normal theory based inference for multilevel models with distributional violations. Psychometrika, 2002, 67, 539-561.	2.1	42
114	Combining standardized mean differences using the method of maximum likelihood. Psychometrika, 2002, 67, 589-607.	2.1	2
115	Cross-validation by downweighting influential cases in structural equation modelling. British Journal of Mathematical and Statistical Psychology, 2002, 55, 125-143.	1.4	16
116	Fitting structural equation models using estimating equations: A model segregation approach. British Journal of Mathematical and Statistical Psychology, 2002, 55, 41-62.	1.4	11
117	Effect of outliers on estimators and tests in covariance structure analysis. British Journal of Mathematical and Statistical Psychology, 2001, 54, 161-175.	1.4	72
118	Inferences on Correlation Coefficients in Some Classes of Nonnormal Distributions. Journal of Multivariate Analysis, 2000, 72, 230-248.	1.0	43
119	5. Three Likelihood-Based Methods for Mean and Covariance Structure Analysis with Nonnormal Missing Data. Sociological Methodology, 2000, 30, 165-200.	2.4	1,175
120	Estimating Equations with Nuisance Parameters: Theory and Applications. Annals of the Institute of Statistical Mathematics, 2000, 52, 343-350.	0.8	19
121	Robust transformation with applications to structural equation modelling. British Journal of Mathematical and Statistical Psychology, 2000, 53, 31-50.	1.4	84
122	Robust mean and covariance structure analysis through iteratively reweighted least squares. Psychometrika, 2000, 65, 43-58.	2.1	44
123	On equivariance and invariance of standard errors in three exploratory factor models. Psychometrika, 2000, 65, 121-133.	2.1	18
124	On Adding a Mean Structure to a Covariance Structure Model. Educational and Psychological Measurement, 2000, 60, 326-339.	2.4	23
125	F Tests for Mean and Covariance Structure Analysis. Journal of Educational and Behavioral Statistics, 1999, 24, 225.	1.7	32
126	F Tests for Mean and Covariance Structure Analysis. Journal of Educational and Behavioral Statistics, 1999, 24, 225-243.	1.7	48

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127	On asymptotic distributions of normal theory MLE in covariance structure analysis under some nonnormal distributions. Statistics and Probability Letters, 1999, 42, 107-113.	0.7	23
128	Structural Equation Modeling with Small Samples: Test Statistics. Multivariate Behavioral Research, 1999, 34, 181-197.	3.1	459
129	9. Structural Equation Modeling with Robust Covariances. Sociological Methodology, 1998, 28, 363-396.	2.4	116
130	Asymptotics of Estimating Equations under Natural Conditions. Journal of Multivariate Analysis, 1998, 65, 245-260.	1.0	82
131	Tests for linear trend in the smallest eigenvalues of the correlation matrix. Psychometrika, 1998, 63, 131-144.	2.1	20
132	Robust mean and covariance structure analysis. British Journal of Mathematical and Statistical Psychology, 1998, 51, 63-88.	1.4	104
133	Normal theory based test statistics in structural equation modelling. British Journal of Mathematical and Statistical Psychology, 1998, 51, 289-309.	1.4	189
134	Mean and Covariance Structure Analysis: Theoretical and Practical Improvements. Journal of the American Statistical Association, 1997, 92, 767-774.	3.1	159
135	Improving parameter tests in covariance structure analysis. Computational Statistics and Data Analysis, 1997, 26, 177-198.	1.2	54
136	A Theorem on Uniform Convergence of Stochastic Functions with Applications. Journal of Multivariate Analysis, 1997, 62, 100-109.	1.0	16
137	Mean and Covariance Structure Analysis: Theoretical and Practical Improvements. Journal of the American Statistical Association, 1997, 92, 767.	3.1	31
138	On Averaging Variables in a Confirmatory Factor Analysis Model. Behaviormetrika, 1997, 24, 71-83.	1.3	113
139	Test of linear trend in eigenvalues of a covariance matrix with application to data analysis. British Journal of Mathematical and Statistical Psychology, 1996, 49, 299-312.	1.4	21