

Ke-Hai Yuan

List of Publications by Year in descending order

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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	5. Three Likelihood-Based Methods for Mean and Covariance Structure Analysis with Nonnormal Missing Data. <i>Sociological Methodology</i> , 2000, 30, 165-200.	2.4	1,175
2	Univariate and multivariate skewness and kurtosis for measuring nonnormality: Prevalence, influence and estimation. <i>Behavior Research Methods</i> , 2017, 49, 1716-1735.	4.0	520
3	Structural Equation Modeling with Small Samples: Test Statistics. <i>Multivariate Behavioral Research</i> , 1999, 34, 181-197.	3.1	459
4	Fit Indices Versus Test Statistics. <i>Multivariate Behavioral Research</i> , 2005, 40, 115-148.	3.1	312
5	Normal theory based test statistics in structural equation modelling. <i>British Journal of Mathematical and Statistical Psychology</i> , 1998, 51, 289-309.	1.4	189
6	On Chi-Square Difference and z Tests in Mean and Covariance Structure Analysis when the Base Model is Misspecified. <i>Educational and Psychological Measurement</i> , 2004, 64, 737-757.	2.4	188
7	Mean and Covariance Structure Analysis: Theoretical and Practical Improvements. <i>Journal of the American Statistical Association</i> , 1997, 92, 767-774.	3.1	159
8	Assessing Structural Equation Models by Equivalence Testing With Adjusted Fit Indexes. <i>Structural Equation Modeling</i> , 2016, 23, 319-330.	3.8	129
9	9. Structural Equation Modeling with Robust Covariances. <i>Sociological Methodology</i> , 1998, 28, 363-396.	2.4	116
10	The Effect of Skewness and Kurtosis on Mean and Covariance Structure Analysis. <i>Sociological Methods and Research</i> , 2005, 34, 240-258.	6.8	115
11	On Averaging Variables in a Confirmatory Factor Analysis Model. <i>Behaviormetrika</i> , 1997, 24, 71-83.	1.3	113
12	Bootstrap approach to inference and power analysis based on three test statistics for covariance structure models. <i>British Journal of Mathematical and Statistical Psychology</i> , 2003, 56, 93-110.	1.4	108
13	Robust Coefficients Alpha and Omega and Confidence Intervals With Outlying Observations and Missing Data. <i>Educational and Psychological Measurement</i> , 2016, 76, 387-411.	2.4	108
14	Robust mean and covariance structure analysis. <i>British Journal of Mathematical and Statistical Psychology</i> , 1998, 51, 63-88.	1.4	104
15	Measurement invariance via multigroup SEM: Issues and solutions with chi-square-difference tests.. <i>Psychological Methods</i> , 2016, 21, 405-426.	3.5	96
16	Robust transformation with applications to structural equation modelling. <i>British Journal of Mathematical and Statistical Psychology</i> , 2000, 53, 31-50.	1.4	84
17	Asymptotics of Estimating Equations under Natural Conditions. <i>Journal of Multivariate Analysis</i> , 1998, 65, 245-260.	1.0	82
18	ML Versus MI for Missing Data With Violation of Distribution Conditions. <i>Sociological Methods and Research</i> , 2012, 41, 598-629.	6.8	80

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19	New Ways to Evaluate Goodness of Fit: A Note on Using Equivalence Testing to Assess Structural Equation Models. <i>Structural Equation Modeling</i> , 2017, 24, 148-153.	3.8	78
20	Effect of outliers on estimators and tests in covariance structure analysis. <i>British Journal of Mathematical and Statistical Psychology</i> , 2001, 54, 161-175.	1.4	72
21	Ridge structural equation modelling with correlation matrices for ordinal and continuous data. <i>British Journal of Mathematical and Statistical Psychology</i> , 2011, 64, 107-133.	1.4	71
22	On robustness of the normal-theory based asymptotic distributions of three reliability coefficient estimates. <i>Psychometrika</i> , 2002, 67, 251-259.	2.1	70
23	A unified approach to exploratory factor analysis with missing data, nonnormal data, and in the presence of outliers. <i>Psychometrika</i> , 2002, 67, 95-121.	2.1	69
24	On the Likelihood Ratio Test for the Number of Factors in Exploratory Factor Analysis. <i>Structural Equation Modeling</i> , 2007, 14, 505-526.	3.8	68
25	Local Influence and Robust Procedures for Mediation Analysis. <i>Multivariate Behavioral Research</i> , 2010, 45, 1-44.	3.1	67
26	8. Outliers, Leverage Observations, and Influential Cases in Factor Analysis: Using Robust Procedures to Minimize Their Effect. <i>Sociological Methodology</i> , 2008, 38, 329-368.	2.4	66
27	Two simple approximations to the distributions of quadratic forms. <i>British Journal of Mathematical and Statistical Psychology</i> , 2010, 63, 273-291.	1.4	65
28	Structural equation modeling with heavy tailed distributions. <i>Psychometrika</i> , 2004, 69, 421-436.	2.1	63
29	Structural equation modeling with near singular covariance matrices. <i>Computational Statistics and Data Analysis</i> , 2008, 52, 4842-4858.	1.2	58
30	Mardia's Multivariate Kurtosis with Missing Data. <i>Multivariate Behavioral Research</i> , 2004, 39, 413-437.	3.1	56
31	Improving parameter tests in covariance structure analysis. <i>Computational Statistics and Data Analysis</i> , 1997, 26, 177-198.	1.2	54
32	Robust Structural Equation Modeling with Missing Data and Auxiliary Variables. <i>Psychometrika</i> , 2012, 77, 803-826.	2.1	50
33	Comparison of Reliability Measures Under Factor Analysis and Item Response Theory. <i>Educational and Psychological Measurement</i> , 2012, 72, 52-67.	2.4	50
34	Standard errors in covariance structure models: Asymptotics versus bootstrap. <i>British Journal of Mathematical and Statistical Psychology</i> , 2006, 59, 397-417.	1.4	49
35	Bias and Efficiency in Structural Equation Modeling: Maximum Likelihood Versus Robust Methods. <i>Multivariate Behavioral Research</i> , 2011, 46, 229-265.	3.1	49
36	F Tests for Mean and Covariance Structure Analysis. <i>Journal of Educational and Behavioral Statistics</i> , 1999, 24, 225-243.	1.7	48

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37	Robust mean and covariance structure analysis through iteratively reweighted least squares. <i>Psychometrika</i> , 2000, 65, 43-58.	2.1	44
38	Inferences on Correlation Coefficients in Some Classes of Nonnormal Distributions. <i>Journal of Multivariate Analysis</i> , 2000, 72, 230-248.	1.0	43
39	On normal theory based inference for multilevel models with distributional violations. <i>Psychometrika</i> , 2002, 67, 539-561.	2.1	42
40	Callous-Unemotional traits and cyberbullying perpetration: The mediating role of moral disengagement and the moderating role of empathy. <i>Personality and Individual Differences</i> , 2020, 157, 109829.	2.9	40
41	Normal distribution based pseudo ML for missing data: With applications to mean and covariance structure analysis. <i>Journal of Multivariate Analysis</i> , 2009, 100, 1900-1918.	1.0	39
42	Empirical Correction to the Likelihood Ratio Statistic for Structural Equation Modeling with Many Variables. <i>Psychometrika</i> , 2015, 80, 379-405.	2.1	38
43	SEM with Missing Data and Unknown Population Distributions Using Two-Stage ML: Theory and Its Application. <i>Multivariate Behavioral Research</i> , 2008, 43, 621-652.	3.1	37
44	Multiple-Group Analysis for Structural Equation Modeling With Dependent Samples. <i>Structural Equation Modeling</i> , 2015, 22, 552-567.	3.8	37
45	Normal theory likelihood ratio statistic for mean and covariance structure analysis under alternative hypotheses. <i>Journal of Multivariate Analysis</i> , 2007, 98, 1262-1282.	1.0	36
46	10 Structural Equation Modeling. <i>Handbook of Statistics</i> , 2006, , 297-358.	0.6	35
47	Robust Procedures in Structural Equation Modeling. , 2007, , 367-397.		34
48	Information Matrices and Standard Errors for MLEs of Item Parameters in IRT. <i>Psychometrika</i> , 2014, 79, 232-254.	2.1	34
49	Three Approximate Solutions to the Multivariate Behrensâ€Fisher Problem. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2005, 34, 975-988.	1.2	33
50	Robust Estimation of Latent Ability in Item Response Models. <i>Journal of Educational and Behavioral Statistics</i> , 2011, 36, 720-735.	1.7	33
51	F Tests for Mean and Covariance Structure Analysis. <i>Journal of Educational and Behavioral Statistics</i> , 1999, 24, 225.	1.7	32
52	Four New Corrected Statistics for SEM With Small Samples and Nonnormally Distributed Data. <i>Structural Equation Modeling</i> , 2017, 24, 479-494.	3.8	32
53	Mean and Covariance Structure Analysis: Theoretical and Practical Improvements. <i>Journal of the American Statistical Association</i> , 1997, 92, 767.	3.1	31
54	On Nonequivalence of Several Procedures of Structural Equation Modeling. <i>Psychometrika</i> , 2005, 70, 791-798.	2.1	30

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55	Structural Equation Modeling With Unknown Population Distributions: Ridge Generalized Least Squares. <i>Structural Equation Modeling</i> , 2016, 23, 163-179.	3.8	29
56	Regression Analysis with Latent Variables by Partial Least Squares and Four Other Composite Scores: Consistency, Bias and Correction. <i>Structural Equation Modeling</i> , 2020, 27, 333-350.	3.8	29
57	A Study Of The Distribution Of Sample Coefficient Alpha With The Hopkins Symptom Checklist: Bootstrap Versus Asymptotics. <i>Educational and Psychological Measurement</i> , 2003, 63, 5-23.	2.4	28
58	Effects of Cross-loadings on Determining the Number of Factors to Retain. <i>Structural Equation Modeling</i> , 2020, 27, 841-863.	3.8	28
59	Biases and Standard Errors of Standardized Regression Coefficients. <i>Psychometrika</i> , 2011, 76, 670-690.	2.1	27
60	Eight test statistics for multilevel structural equation models. <i>Computational Statistics and Data Analysis</i> , 2003, 44, 89-107.	1.2	26
61	Three Mahalanobis distances and their role in assessing unidimensionality. <i>British Journal of Mathematical and Statistical Psychology</i> , 2004, 57, 151-165.	1.4	26
62	Robustness of fit indices to outliers and leverage observations in structural equation modeling.. <i>Psychological Methods</i> , 2013, 18, 121-136.	3.5	26
63	Mean Comparison: Manifest Variable Versus Latent Variable. <i>Psychometrika</i> , 2006, 71, 139-159.	2.1	25
64	Fitting data to model: Structural equation modeling diagnosis using two scatter plots.. <i>Psychological Methods</i> , 2010, 15, 335-351.	3.5	24
65	On asymptotic distributions of normal theory MLE in covariance structure analysis under some nonnormal distributions. <i>Statistics and Probability Letters</i> , 1999, 42, 107-113.	0.7	23
66	On Adding a Mean Structure to a Covariance Structure Model. <i>Educational and Psychological Measurement</i> , 2000, 60, 326-339.	2.4	23
67	Evaluation of Test Statistics for Robust Structural Equation Modeling With Nonnormal Missing Data. <i>Structural Equation Modeling</i> , 2014, 21, 553-565.	3.8	23
68	Four improved statistics for contrasting means by correcting skewness and kurtosis. <i>British Journal of Mathematical and Statistical Psychology</i> , 2005, 58, 209-237.	1.4	22
69	Test of linear trend in eigenvalues of a covariance matrix with application to data analysis. <i>British Journal of Mathematical and Statistical Psychology</i> , 1996, 49, 299-312.	1.4	21
70	Consistency, bias and efficiency of the normal-distribution-based MLE: The role of auxiliary variables. <i>Journal of Multivariate Analysis</i> , 2014, 124, 353-370.	1.0	21
71	Tests for linear trend in the smallest eigenvalues of the correlation matrix. <i>Psychometrika</i> , 1998, 63, 131-144.	2.1	20
72	A New Measure of Misfit for Covariance Structure Models. <i>Behaviormetrika</i> , 2004, 31, 67-90.	1.3	20

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73	Asymptotic robustness of the normal theory likelihood ratio statistic for two-level covariance structure models. <i>Journal of Multivariate Analysis</i> , 2005, 94, 328-343.	1.0	20
74	On muthÃ©nâ€™s maximum likelihood for two-level covariance structure models. <i>Psychometrika</i> , 2005, 70, 147-167.	2.1	20
75	Positive Definiteness via Off-diagonal Scaling of a Symmetric Indefinite Matrix. <i>Psychometrika</i> , 2011, 76, 119-123.	2.1	20
76	Advances in Measurement Invariance and Mean Comparison of Latent Variables: Equivalence Testing and A Projection-Based Approach. <i>Frontiers in Psychology</i> , 2017, 8, 1823.	2.1	20
77	Estimating Equations with Nuisance Parameters: Theory and Applications. <i>Annals of the Institute of Statistical Mathematics</i> , 2000, 52, 343-350.	0.8	19
78	A Class of Population Covariance Matrices in the Bootstrap Approach to Covariance Structure Analysis. <i>Multivariate Behavioral Research</i> , 2007, 42, 261-281.	3.1	19
79	On equivariance and invariance of standard errors in three exploratory factor models. <i>Psychometrika</i> , 2000, 65, 121-133.	2.1	18
80	Structural Equation Modeling Diagnostics Using R Package semdiag and EQS. <i>Structural Equation Modeling</i> , 2012, 19, 683-702.	3.8	18
81	The Performance of Ten Modified Rescaled Statistics as the Number of Variables Increases. <i>Structural Equation Modeling</i> , 2018, 25, 414-438.	3.8	18
82	Asymptotic robustness of standard errors in multilevel structural equation models. <i>Journal of Multivariate Analysis</i> , 2006, 97, 1121-1141.	1.0	17
83	A Theorem on Uniform Convergence of Stochastic Functions with Applications. <i>Journal of Multivariate Analysis</i> , 1997, 62, 100-109.	1.0	16
84	Cross-validation by downweighting influential cases in structural equation modelling. <i>British Journal of Mathematical and Statistical Psychology</i> , 2002, 55, 125-143.	1.4	16
85	Consistency of Normal-Distribution-Based Pseudo Maximum Likelihood Estimates When Data Are Missing at Random. <i>American Statistician</i> , 2010, 64, 263-267.	1.6	16
86	Structural Equation Modeling. , 2011, , 202-234.		16
87	Empirically Corrected Rescaled Statistics for SEM with Small N and Large p . <i>Multivariate Behavioral Research</i> , 2017, 52, 673-698.	3.1	16
88	Diagnosis for Covariance Structure Models by Analyzing the Path. <i>Structural Equation Modeling</i> , 2008, 15, 564-602.	3.8	15
89	Bias and Efficiency for SEM With Missing Data and Auxiliary Variables: Two-Stage Robust Method Versus Two-Stage ML. <i>Structural Equation Modeling</i> , 2015, 22, 178-192.	3.8	15
90	Improving the convergence rate and speed of Fisher-scoring algorithm: ridge and anti-ridge methods in structural equation modeling. <i>Annals of the Institute of Statistical Mathematics</i> , 2017, 69, 571-597.	0.8	15

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91	Equivalence of Partial-Least-Squares SEM and the Methods of Factor-Score Regression. <i>Structural Equation Modeling</i> , 2021, 28, 557-571.	3.8	15
92	Moderation Analysis Using a Two-Level Regression Model. <i>Psychometrika</i> , 2014, 79, 701-732.	2.1	14
93	Noncentral Chi-Square Versus Normal Distributions in Describing the Likelihood Ratio Statistic: The Univariate Case and Its Multivariate Implication. <i>Multivariate Behavioral Research</i> , 2008, 43, 109-136.	3.1	12
94	On the Model-Based Bootstrap With Missing Data: Obtaining a P -Value for a Test of Exact Fit. <i>Multivariate Behavioral Research</i> , 2009, 44, 741-763.	3.1	12
95	New measures of effect size in moderation analysis.. <i>Psychological Methods</i> , 2021, 26, 680-700.	3.5	12
96	Fitting structural equation models using estimating equations: A model segregation approach. <i>British Journal of Mathematical and Statistical Psychology</i> , 2002, 55, 41-62.	1.4	11
97	Smoking and Cancers: Case-Robust Analysis of a Classic Data Set. <i>Structural Equation Modeling</i> , 2009, 16, 382-390.	3.8	11
98	Robust Methods for Moderation Analysis with a Two-Level Regression Model. <i>Multivariate Behavioral Research</i> , 2016, 51, 1-15.	3.1	11
99	Subtypes of the missing not at random missing data mechanism.. <i>Psychological Methods</i> , 2021, 26, 559-598.	3.5	11
100	On the asymptotic distributions of two statistics for two-level covariance structure models within the class of elliptical distributions. <i>Psychometrika</i> , 2004, 69, 437-457.	2.1	10
101	5. Finite Normal Mixture SEM Analysis by Fitting Multiple Conventional SEM Models. <i>Sociological Methodology</i> , 2010, 40, 191-245.	2.4	10
102	Reliable and More Powerful Methods for Power Analysis in Structural Equation Modeling. <i>Structural Equation Modeling</i> , 2017, 24, 315-330.	3.8	10
103	Optimizing Ridge Generalized Least Squares for Structural Equation Modeling. <i>Structural Equation Modeling</i> , 2019, 26, 24-38.	3.8	10
104	New Effect Size Measures for Structural Equation Modeling. <i>Structural Equation Modeling</i> , 2019, 26, 371-389.	3.8	10
105	An overview of applied robust methods. <i>British Journal of Mathematical and Statistical Psychology</i> , 2021, 74, 199-246.	1.4	10
106	Determinants of Standard Errors of MLEs in Confirmatory Factor Analysis. <i>Psychometrika</i> , 2010, 75, 633-648.	2.1	9
107	Expectation-robust algorithm and estimating equations for means and dispersion matrix with missing data. <i>Annals of the Institute of Statistical Mathematics</i> , 2016, 68, 329-351.	0.8	9
108	Using Equivalence Testing to Evaluate Goodness of Fit in Multilevel Structural Equation Models. <i>International Journal of Research and Method in Education</i> , 2020, 43, 431-443.	1.9	9

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109	Differential Item Functioning Analysis Without A Priori Information on Anchor Items: QQ Plots and Graphical Test. <i>Psychometrika</i> , 2021, 86, 345-377.	2.1	9
110	Comparing Latent Means Without Mean Structure Models: A Projection-Based Approach. <i>Psychometrika</i> , 2016, 81, 802-829.	2.1	8
111	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. <i>Behavior Research Methods</i> , 2023, 55, 1460-1479.	4.0	8
112	Data-driven sensitivity analysis to detect missing data mechanism with applications to structural equation modelling. <i>Journal of Statistical Computation and Simulation</i> , 2013, 83, 1344-1362.	1.2	7
113	Overview of Statistical Estimation Methods. , 2013, , .		7
114	Identifying Variables Responsible for Data not Missing at Random. <i>Psychometrika</i> , 2009, 74, 233-256.	2.1	6
115	Meta analytical structural equation modeling: comments on issues with current methods and viable alternatives. <i>Research Synthesis Methods</i> , 2016, 7, 215-231.	8.7	6
116	More efficient parameter estimates for factor analysis of ordinal variables by ridge generalized least squares. <i>British Journal of Mathematical and Statistical Psychology</i> , 2017, 70, 525-564.	1.4	6
117	What Causes the Mean Bias of the Likelihood Ratio Statistic with Many Variables?. <i>Multivariate Behavioral Research</i> , 2019, 54, 840-855.	3.1	6
118	Robust Bayesian Factor Analysis. <i>Structural Equation Modeling</i> , 2003, 10, 525-533.	3.8	5
119	13 Structural Equation Modeling. <i>Handbook of Statistics</i> , 2007, 27, 395-428.	0.6	5
120	GLS Discrepancy Based Information Criteria for Selecting Covariance Structure Models. <i>Behaviormetrika</i> , 2010, 37, 71-86.	1.3	5
121	Psychometric Properties of Measures of Team Diversity With Likert Data. <i>Educational and Psychological Measurement</i> , 2015, 75, 512-534.	2.4	5
122	Mean and Variance Corrected Test Statistics for Structural Equation Modeling with Many Variables. <i>Structural Equation Modeling</i> , 2019, 26, 827-846.	3.8	5
123	A Two-level Moderated Latent Variable Model with Single Level Data. <i>Multivariate Behavioral Research</i> , 2020, 55, 873-893.	3.1	5
124	Two-level moderated mediation models with single-level data and new measures of effect sizes. <i>Behavior Research Methods</i> , 2022, 54, 574-596.	4.0	5
125	17 Robust Procedures in Structural Equation Modeling. <i>Handbook of Computing and Statistics With Applications</i> , 2007, , 367-397.	0.1	5
126	Missing Data Mechanisms and Homogeneity of Means and Variancesâ€“Covariances. <i>Psychometrika</i> , 2018, 83, 425-442.	2.1	4

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127	Mean and Mean-and-Variance Corrections With Big Data. <i>Structural Equation Modeling</i> , 2018, 25, 214-229.	3.8	4
128	Meta-Analytical SEM: Equivalence Between Maximum Likelihood and Generalized Least Squares. <i>Journal of Educational and Behavioral Statistics</i> , 2018, 43, 693-720.	1.7	4
129	Which Method is More Reliable in Performing Model Modification: Lasso Regularization or Lagrange Multiplier Test?. <i>Structural Equation Modeling</i> , 2021, 28, 69-81.	3.8	4
130	Constrained Maximum Likelihood Estimation for Two-Level Mean and Covariance Structure Models. <i>Educational and Psychological Measurement</i> , 2011, 71, 325-345.	2.4	3
131	Examining missing data mechanisms via homogeneity of parameters, homogeneity of distributions, and multivariate normality. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2014, 6, 56-73.	3.9	3
132	Asymptotic bias of normal distribution-based maximum likelihood estimates of moderation effects with data missing at random. <i>British Journal of Mathematical and Statistical Psychology</i> , 2019, 72, 334-354.	1.4	3
133	On the Bias in Eigenvalues of Sample Covariance Matrix. <i>Springer Proceedings in Mathematics and Statistics</i> , 2018, , 221-233.	0.2	3
134	Combining standardized mean differences using the method of maximum likelihood. <i>Psychometrika</i> , 2002, 67, 589-607.	2.1	2
135	On Extended Guttman Condition in High Dimensional Factor Analysis. <i>Springer Proceedings in Mathematics and Statistics</i> , 2019, , 221-228.	0.2	2
136	A class of cross-validators model selection criteria. <i>Hiroshima Mathematical Journal</i> , 2013, 43, .	0.3	2
137	Smoothed Quantiles for χ^2 Type Test Statistics with Applications. <i>Multivariate Behavioral Research</i> , 2022, 57, 223-242.	3.1	1
138	Some Recent Advances in Two-level Structural Equation Models: Estimation, Testing and Robustness. , 2005, , 99-120.		1
139	On the Precision Matrix in Semi-High-Dimensional Settings. <i>Springer Proceedings in Mathematics and Statistics</i> , 2020, , 185-200.	0.2	0