

Bengt Muthen

List of Publications by Year in descending order

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76
papers

28,439
citations

30070

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79698

73
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76
all docs

76
docs citations

76
times ranked

22856
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Testing for the equivalence of factor covariance and mean structures: The issue of partial measurement invariance.. Psychological Bulletin, 1989, 105, 456-466. | 6.1 | 2,995 |
| 2 | Integrating Personâ€Centered and Variableâ€Centered Analyses: Growth Mixture Modeling With Latent Trajectory Classes. Alcoholism: Clinical and Experimental Research, 2000, 24, 882-891. | 2.4 | 2,242 |
| 3 | Auxiliary Variables in Mixture Modeling: Three-Step Approaches Using M<i>plus</i>. Structural Equation Modeling, 2014, 21, 329-341. | 3.8 | 2,024 |
| 4 | Exploratory Structural Equation Modeling. Structural Equation Modeling, 2009, 16, 397-438. | 3.8 | 1,840 |
| 5 | Assessing Reliability and Stability in Panel Models. Sociological Methodology, 1977, 8, 84. | 2.4 | 1,733 |
| 6 | A general structural equation model with dichotomous, ordered categorical, and continuous latent variable indicators. Psychometrika, 1984, 49, 115-132. | 2.1 | 1,597 |
| 7 | A comparison of some methodologies for the factor analysis of nonâ€Normal Likert variables. British Journal of Mathematical and Statistical Psychology, 1985, 38, 171-189. | 1.4 | 1,201 |
| 8 | Finite Mixture Modeling with Mixture Outcomes Using the EM Algorithm. Biometrics, 1999, 55, 463-469. | 1.4 | 1,180 |
| 9 | Bayesian structural equation modeling: A more flexible representation of substantive theory.. Psychological Methods, 2012, 17, 313-335. | 3.5 | 1,040 |
| 10 | Investigating population heterogeneity with factor mixture models.. Psychological Methods, 2005, 10, 21-39. | 3.5 | 957 |
| 11 | Exploratory Structural Equation Modeling, Integrating CFA and EFA: Application to Students' Evaluations of University Teaching. Structural Equation Modeling, 2009, 16, 439-476. | 3.8 | 787 |
| 12 | On structural equation modeling with data that are not missing completely at random. Psychometrika, 1987, 52, 431-462. | 2.1 | 711 |
| 13 | A new look at the big five factor structure through exploratory structural equation modeling.. Psychological Assessment, 2010, 22, 471-491. | 1.5 | 680 |
| 14 | Latent Variable Analysis: Growth Mixture Modeling and Related Techniques for Longitudinal Data. , 2004, , 346-369. | | 680 |
| 15 | The multilevel latent covariate model: A new, more reliable approach to group-level effects in contextual studies.. Psychological Methods, 2008, 13, 203-229. | 3.5 | 565 |
| 16 | Statistical and Substantive Checking in Growth Mixture Modeling: Comment on Bauer and Curran (2003).. Psychological Methods, 2003, 8, 369-377. | 3.5 | 550 |
| 17 | Multiple-Group Factor Analysis Alignment. Structural Equation Modeling, 2014, 21, 495-508. | 3.8 | 454 |
| 18 | A comparison of some methodologies for the factor analysis of nonâ€Normal Likert variables: A note on the size of the model. British Journal of Mathematical and Statistical Psychology, 1992, 45, 19-30. | 1.4 | 449 |

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|----|--|-----|-----------|
| 19 | Contributions to factor analysis of dichotomous variables. <i>Psychometrika</i> , 1978, 43, 551-560. | 2.1 | 427 |
| 20 | Dynamic Structural Equation Models. <i>Structural Equation Modeling</i> , 2018, 25, 359-388. | 3.8 | 389 |
| 21 | Doubly-Latent Models of School Contextual Effects: Integrating Multilevel and Structural Equation Approaches to Control Measurement and Sampling Error. <i>Multivariate Behavioral Research</i> , 2009, 44, 764-802. | 3.1 | 380 |
| 22 | General growth mixture modeling for randomized preventive interventions. <i>Biostatistics</i> , 2002, 3, 459-475. | 1.5 | 366 |
| 23 | Latent variable structural equation modeling with categorical data. <i>Journal of Econometrics</i> , 1983, 22, 43-65. | 6.5 | 365 |
| 24 | Second-generation structural equation modeling with a combination of categorical and continuous latent variables: New opportunities for latent class "latent growth modeling.. , 2001, , 291-322. | | 278 |
| 25 | Bayesian Structural Equation Modeling With Cross-Loadings and Residual Covariances. <i>Journal of Management</i> , 2015, 41, 1561-1577. | 9.3 | 259 |
| 26 | Should substance use disorders be considered as categorical or dimensional?. <i>Addiction</i> , 2006, 101, 6-16. | 3.3 | 223 |
| 27 | Causal Effects in Mediation Modeling: An Introduction With Applications to Latent Variables. <i>Structural Equation Modeling</i> , 2015, 22, 12-23. | 3.8 | 221 |
| 28 | Simultaneous factor analysis of dichotomous variables in several groups. <i>Psychometrika</i> , 1981, 46, 407-419. | 2.1 | 192 |
| 29 | Discrete-Time Survival Mixture Analysis. <i>Journal of Educational and Behavioral Statistics</i> , 2005, 30, 27-58. | 1.7 | 190 |
| 30 | 10. Latent Variable Modeling of Longitudinal and Multilevel Data. <i>Sociological Methodology</i> , 1997, 27, 453-480. | 2.4 | 187 |
| 31 | Multilevel Latent Class Analysis: An Application of Adolescent Smoking Typologies With Individual and Contextual Predictors. <i>Structural Equation Modeling</i> , 2010, 17, 193-215. | 3.8 | 185 |
| 32 | Growth modeling with nonignorable dropout: Alternative analyses of the STAR*D antidepressant trial.. <i>Psychological Methods</i> , 2011, 16, 17-33. | 3.5 | 164 |
| 33 | Facing off with Scylla and Charybdis: a comparison of scalar, partial, and the novel possibility of approximate measurement invariance. <i>Frontiers in Psychology</i> , 2013, 4, 770. | 2.1 | 156 |
| 34 | Item response mixture modeling: Application to tobacco dependence criteria. <i>Addictive Behaviors</i> , 2006, 31, 1050-1066. | 3.0 | 151 |
| 35 | IRT studies of many groups: the alignment method. <i>Frontiers in Psychology</i> , 2014, 5, 978. | 2.1 | 136 |
| 36 | Analyzing Criminal Trajectory Profiles: Bridging Multilevel and Group-based Approaches Using Growth Mixture Modeling. <i>Journal of Quantitative Criminology</i> , 2008, 24, 1-31. | 2.9 | 134 |

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|----|---|------|-----------|
| 37 | Recent Methods for the Study of Measurement Invariance With Many Groups. <i>Sociological Methods and Research</i> , 2018, 47, 637-664. | 6.8 | 134 |
| 38 | Adaptive Designs for Randomized Trials in Public Health. <i>Annual Review of Public Health</i> , 2009, 30, 1-25. | 17.4 | 133 |
| 39 | Models and Strategies for Factor Mixture Analysis: An Example Concerning the Structure Underlying Psychological Disorders. <i>Structural Equation Modeling</i> , 2013, 20, 681-703. | 3.8 | 133 |
| 40 | A Structural Probit Model with Latent Variables. <i>Journal of the American Statistical Association</i> , 1979, 74, 807-811. | 3.1 | 129 |
| 41 | Number of Subjects and Time Points Needed for Multilevel Time-Series Analysis: A Simulation Study of Dynamic Structural Equation Modeling. <i>Structural Equation Modeling</i> , 2018, 25, 495-515. | 3.8 | 129 |
| 42 | Latent Variable Centering of Predictors and Mediators in Multilevel and Time-Series Models. <i>Structural Equation Modeling</i> , 2019, 26, 119-142. | 3.8 | 103 |
| 43 | Multilevel Regression Mixture Analysis. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 2009, 172, 639-657. | 1.1 | 94 |
| 44 | Structural Equation Models and Mixture Models With Continuous Nonnormal Skewed Distributions. <i>Structural Equation Modeling</i> , 2016, 23, 1-19. | 3.8 | 93 |
| 45 | Subtypes Versus Severity Differences in Attention-Deficit/Hyperactivity Disorder in the Northern Finnish Birth Cohort. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2007, 46, 1584-1593. | 0.5 | 88 |
| 46 | Multiple Group IRT Modeling: Applications to Item Bias Analysis. <i>Journal of Educational Statistics</i> , 1985, 10, 133-142. | 0.9 | 76 |
| 47 | Estimating drug effects in the presence of placebo response: Causal inference using growth mixture modeling. <i>Statistics in Medicine</i> , 2009, 28, 3363-3385. | 1.6 | 73 |
| 48 | Methods for Synthesizing Findings on Moderation Effects Across Multiple Randomized Trials. <i>Prevention Science</i> , 2013, 14, 144-156. | 2.6 | 71 |
| 49 | Growth mixture modeling with non-normal distributions. <i>Statistics in Medicine</i> , 2015, 34, 1041-1058. | 1.6 | 70 |
| 50 | A Method for Studying the Homogeneity of Test Items with Respect to Other Relevant Variables. <i>Journal of Educational Statistics</i> , 1985, 10, 121-132. | 0.9 | 68 |
| 51 | Moments of the censored and truncated bivariate normal distribution. <i>British Journal of Mathematical and Statistical Psychology</i> , 1990, 43, 131-143. | 1.4 | 68 |
| 52 | Residual Associations in Latent Class and Latent Transition Analysis. <i>Structural Equation Modeling</i> , 2015, 22, 169-177. | 3.8 | 67 |
| 53 | Testing the assumptions underlying tetrachoric correlations. <i>Psychometrika</i> , 1988, 53, 563-577. | 2.1 | 64 |
| 54 | Multiple-group structural modelling with non-normal continuous variables. <i>British Journal of Mathematical and Statistical Psychology</i> , 1989, 42, 55-62. | 1.4 | 63 |

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|----|--|-----|-----------|
| 55 | Developmental trajectories of criteria of nicotine dependence in adolescence. <i>Drug and Alcohol Dependence</i> , 2008, 98, 94-104. | 3.2 | 59 |
| 56 | Advances in Bayesian Model Fit Evaluation for Structural Equation Models. <i>Structural Equation Modeling</i> , 2021, 28, 1-14. | 3.8 | 59 |
| 57 | Selectivity Problems in Quasi-Experimental Studies. <i>Evaluation Review</i> , 1983, 7, 139-174. | 1.0 | 55 |
| 58 | Dynamic Latent Class Analysis. <i>Structural Equation Modeling</i> , 2017, 24, 257-269. | 3.8 | 54 |
| 59 | A genome-wide association study of a sustained pattern of antidepressant response. <i>Journal of Psychiatric Research</i> , 2013, 47, 1157-1165. | 3.1 | 52 |
| 60 | Advances in Behavioral Genetics Modeling Using Mplus: Applications of Factor Mixture Modeling to Twin Data. <i>Twin Research and Human Genetics</i> , 2006, 9, 313-324. | 0.6 | 51 |
| 61 | Bayesian estimation of single and multilevel models with latent variable interactions. <i>Structural Equation Modeling</i> , 2021, 28, 314-328. | 3.8 | 49 |
| 62 | When the course of aggressive behavior in childhood does not predict antisocial outcomes in adolescence and young adulthood: An examination of potential explanatory variables. <i>Development and Psychopathology</i> , 2004, 16, 919-41. | 2.3 | 47 |
| 63 | A Structural Probit Model with Latent Variables. <i>Journal of the American Statistical Association</i> , 1979, 74, 807. | 3.1 | 40 |
| 64 | Measurement Invariance in Cross-National Studies. <i>Sociological Methods and Research</i> , 2018, 47, 631-636. | 6.8 | 40 |
| 65 | Advances in Behavioral Genetics Modeling Using Mplus: Applications of Factor Mixture Modeling to Twin Data. <i>Twin Research and Human Genetics</i> , 2006, 9, 313-324. | 0.6 | 35 |
| 66 | A Method for Studying the Homogeneity of Test Items with Respect to Other Relevant Variables. <i>Journal of Educational Statistics</i> , 1985, 10, 121. | 0.9 | 26 |
| 67 | Latent Variable Growth Modeling with Multilevel Data. <i>Lecture Notes in Statistics</i> , 1997, , 149-161. | 0.2 | 19 |
| 68 | Integrating Person-Centered and Variable-Centered Analyses: Growth Mixture Modeling With Latent Trajectory Classes. <i>Alcoholism: Clinical and Experimental Research</i> , 2000, 24, 882-891. | 2.4 | 19 |
| 69 | Residual Structural Equation Models. <i>Structural Equation Modeling</i> , 2023, 30, 1-31. | 3.8 | 17 |
| 70 | Latent variable modeling of growth with missing data and multilevel data. , 1993, , 199-210. | | 16 |
| 71 | Rejoinder to MacCallum, Edwards, and Cai (2012) and Rindskopf (2012): Mastering a new method.. <i>Psychological Methods</i> , 2012, 17, 346-353. | 3.5 | 14 |
| 72 | Non-random dropout and the relative efficacy of escitalopram and nortriptyline in treating major depressive disorder. <i>Journal of Psychiatric Research</i> , 2012, 46, 1333-1338. | 3.1 | 12 |

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|----|--|-----|-----------|
| 73 | Why Measurement Invariance <i>is</i> Important in Comparative Research. A Response to Welzel et al. (2021). Sociological Methods and Research, 2023, 52, 1401-1419. | 6.8 | 12 |
| 74 | Compliance Mixture Modelling with a Zero-Effect Complier Class and Missing Data. Biometrics, 2012, 68, 1037-1045. | 1.4 | 11 |
| 75 | Expanding the Bayesian structural equation, multilevel and mixture models to logit, negative-binomial, and nominal variables. Structural Equation Modeling, 2021, 28, 622-637. | 3.8 | 7 |
| 76 | General and Specific Factors in Selection Modeling. Methodology of Educational Measurement and Assessment, 2017, , 223-236. | 0.4 | 1 |