Allan S Cohen

List of Publications by Year
in descending order

31 papers	979 citations	623734 14 h-index	454955 30 g-index
35 all docs	35 docs citations	35 times ranked	427 citing authors

#	Article	IF	Citations
1	The Impact of Sample Size and Various Other Factors on Estimation of Dichotomous Mixture IRT Models. Educational and Psychological Measurement, 2023, 83, 520-555.	2.4	2
2	Comparison of Estimation Algorithms for Latent Dirichlet Allocation. Springer Proceedings in Mathematics and Statistics, 2022, , 27-37.	0.2	2
3	Thinking beyond the score: Multidimensional analysis of student performance to inform the next generation of science assessments. Journal of Research in Science Teaching, 2020, 57, 856-878.	3.3	18
4	The Impact of Test and Sample Characteristics on Model Selection and Classification Accuracy in the Multilevel Mixture IRT Model. Frontiers in Psychology, 2020, 11, 197.	2.1	2
5	Revisiting purpose and conceptualisation in the design of assessments of mathematics teachers' knowledge. Research in Mathematics Education, 2020, 22, 209-224.	1.2	1
6	Sample Size Requirements for Applying Diagnostic Classification Models. Frontiers in Psychology, 2020, 11, 621251.	2.1	12
7	Integrating a Statistical Topic Model and a Diagnostic Classification Model for Analyzing Items in a Mixed Format Assessment. Frontiers in Psychology, 2020, 11, 579199.	2.1	2
8	Estimation of Mixture Rasch Models from Skewed Latent Ability Distributions. Measurement, 2020, 18, 215-241.	0.2	1
9	Model Selection for Multilevel Mixture Rasch Models. Applied Psychological Measurement, 2019, 43, 272-289.	1.0	13
10	Applications of Mixture IRT Models: A Literature Review. Measurement, 2019, 17, 177-191.	0.2	16
11	Supporting High School Student Accomplishment of Biology Content Using Interactive Computer-Based Curricular Case Studies. Research in Science Education, 2019, 49, 1783-1808.	2.3	4
12	International and national perspectives on machine scoring. Applied Measurement in Education, 2018, 31, 175-176.	1.1	0
13	The Impact of Multidimensionality on Extraction of Latent Classes in Mixture Rasch Models. Journal of Educational Measurement, 2018, 55, 403-420.	1.2	5
14	Appraising the scoring performance of automated essay scoring systems—Some additional considerations: Which essays? Which human raters? Which scores?. Applied Measurement in Education, 2018, 31, 233-240.	1.1	6
15	A Mixture Partial Credit Analysis of Math Anxiety. International Journal of Assessment Tools in Education, 2018, 5, 611-630.	1.1	5
16	A Mixture Partial Credit Model Analysis Using Language-Based Covariates. Springer Proceedings in Mathematics and Statistics, 2017, , 321-333.	0.2	1
17	Statistical and Qualitative Analyses of Students' Answers to a Constructed Response Test of Science Inquiry Knowledge. The Journal of Writing Analytics, 2017, 1, 82-102.	0.9	16
18	The Impact of Non-Normality on Extraction of Spurious Latent Classes in Mixture IRT Models. Applied Psychological Measurement, 2016, 40, 98-113.	1.0	20

#	ARTICLE	IF	CITATIONS
19	Differential Item Functioning Analysis Using a Mixture 3-Parameter Logistic Model With a Covariate on the TIMSS 2007 Mathematics Test. International Journal of Testing, 2015, 15, 239-253.	0.3	17
20	Detecting Intervention Effects Using a Multilevel Latent Transition Analysis with a Mixture IRT Model. Psychometrika, 2013, 78, 576-600.	2.1	16
21	Markov chain Monte Carlo estimation of a mixture item response theory model. Journal of Statistical Computation and Simulation, 2013, 83, 278-306.	1.2	34
22	Spurious Latent Classes in the Mixture Rasch Model. Journal of Educational Measurement, 2011, 48, 313-332.	1.2	25
23	A Multilevel Mixture IRT Model With an Application to DIF. Journal of Educational and Behavioral Statistics, 2010, 35, 336-370.	1.7	65
24	Model Selection Methods for Mixture Dichotomous IRT Models. Applied Psychological Measurement, 2009, 33, 353-373.	1.0	125
25	A Speeded Item Response Model with Gradual Process Change. Psychometrika, 2008, 73, 65-87.	2.1	44
26	The Role of Extended Time and Item Content on a High-Stakes Mathematics Test. Learning Disabilities Research and Practice, 2005, 20, 225-233.	1.1	58
27	A Mixture Model Analysis of Differential Item Functioning. Journal of Educational Measurement, 2005, 42, 133-148.	1.2	143
28	A Method for Maintaining Scale Stability in the Presence of Test Speededness. Journal of Educational Measurement, 2003, 40, 307-330.	1.2	41
29	Item Parameter Estimation Under Conditions of Test Speededness: Application of a Mixture Rasch Model With Ordinal Constraints. Journal of Educational Measurement, 2002, 39, 331-348.	1.2	142
30	A Mixture Item Response Model for Multiple-Choice Data. Journal of Educational and Behavioral Statistics, 2001, 26, 381-409.	1.7	93
31	Item Response Theory and the Measurement of Motor Behavior. Research Quarterly for Exercise and Sport, 1989, 60, 325-335.	1.4	26