

Shiyu Wang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

319
citations

1163117

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888059

17
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all docs

20
docs citations

20
times ranked

157
citing authors

#	ARTICLE	IF	CITATIONS
1	Tracking Skill Acquisition With Cognitive Diagnosis Models: A Higher-Order, Hidden Markov Model With Covariates. <i>Journal of Educational and Behavioral Statistics</i> , 2018, 43, 57-87.	1.7	72
2	A Hidden Markov Model for Learning Trajectories in Cognitive Diagnosis With Application to Spatial Rotation Skills. <i>Applied Psychological Measurement</i> , 2018, 42, 5-23.	1.0	47
3	Consistency of Nonparametric Classification in Cognitive Diagnosis. <i>Psychometrika</i> , 2015, 80, 85-100.	2.1	33
4	Using Response Times to Assess Learning Progress: A Joint Model for Responses and Response Times. <i>Measurement</i> , 2018, 16, 45-58.	0.2	30
5	A Truth Discovery Approach with Theoretical Guarantee. , 2016, , .		29
6	Cognitive Diagnostic Models With Attribute Hierarchies: Model Estimation With a Restricted Q-Matrix Design. <i>Applied Psychological Measurement</i> , 2019, 43, 255-271.	1.0	26
7	Hybrid Computerized Adaptive Testing: From Group Sequential Design to Fully Sequential Design. <i>Journal of Educational Measurement</i> , 2016, 53, 45-62.	1.2	19
8	A joint modeling framework of responses and response times to assess learning outcomes. <i>Multivariate Behavioral Research</i> , 2020, 55, 49-68.	3.1	14
9	Modeling Learner Heterogeneity: A Mixture Learning Model With Responses and Response Times. <i>Frontiers in Psychology</i> , 2018, 9, 2339.	2.1	10
10	The Development of a Multidimensional Diagnostic Assessment With Learning Tools to Improve 3-D Mental Rotation Skills. <i>Frontiers in Psychology</i> , 2020, 11, 305.	2.1	9
11	Using Response Times and Response Accuracy to Measure Fluency Within Cognitive Diagnosis Models. <i>Psychometrika</i> , 2020, 85, 600-629.	2.1	7
12	An Automated Test Assembly Design for a Large-Scale Chinese Proficiency Test. <i>Applied Psychological Measurement</i> , 2016, 40, 233-237.	1.0	6
13	Two-Stage maximum likelihood estimation in the misspecified restricted latent class model. <i>British Journal of Mathematical and Statistical Psychology</i> , 2018, 71, 300-333.	1.4	4
14	Statistical Foundations for Computerized Adaptive Testing with Response Revision. <i>Psychometrika</i> , 2019, 84, 375-394.	2.1	4
15	Flexible Computerized Adaptive Tests to Detect Misconceptions and Estimate Ability Simultaneously. <i>Applied Psychological Measurement</i> , 2021, 45, 3-21.	1.0	3
16	The Automated Test Assembly and Routing Rule for Multistage Adaptive Testing with Multidimensional Item Response Theory. <i>Journal of Educational Measurement</i> , 2021, 58, 538-563.	1.2	2
17	A Joint Maximum Likelihood Estimation Framework for Truth Discovery: A Unified Perspective. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2022, , 1-1.	5.7	2
18	Adaptive Weight Estimation of Latent Ability: Application to Computerized Adaptive Testing With Response Revision. <i>Journal of Educational and Behavioral Statistics</i> , 2020, , 107699862097280.	1.7	1

#	ARTICLE	IF	CITATIONS
19	Computerized Adaptive Testing that Allows for Response Revision: Design and Asymptotic Theory. <i>Statistica Sinica</i> , 2017, , .	0.3	1
20	Reduced Reparameterized Unified Model Applied to Learning Spatial Rotation Skills. <i>Methodology of Educational Measurement and Assessment</i> , 2019, , 503-524.	0.4	0