David Thissen

List of Publications by Year
in descending order

60 papers	7,684 citations
109321 35 h-index	138484 58 g-index
62 all docs	62 docs citations
62 times ranked	6704 citing authors

#	Article	IF	Citations
1	Similar DIFs: Differential Item Functioning and Factorial Invariance for Scales with Seven ("Plus or) Tj ETQq1 1 0.784314 rgBT /Ove	0.2	5
2	Reliability and validity of PROMIS measures administered by telephone interview in a longitudinal localized prostate cancer study. Quality of Life Research, 2016, 25, 2811-2823.	3.1	70
3	Mode effects between computer self-administration and telephone interviewer-administration of the PROMIS® pediatric measures, self- and proxy report. Quality of Life Research, 2016, 25, 1655-1665.	3.1	22
4	Development and Standardization of the Diagnostic Adaptive Behavior Scale: Application of Item Response Theory to the Assessment of Adaptive Behavior. American Journal on Intellectual and Developmental Disabilities, 2016, 121, 79-94.	1.6	18
5	Modeling and Testing Differential Item Functioning in Unidimensional Binary Item Response Models with a Single Continuous Covariate: A Functional Data Analysis Approach. Psychometrika, 2016, 81, 371-398.	2.1	10
6	Estimating minimally important difference (MID) in PROMIS pediatric measures using the scale-judgment method. Quality of Life Research, 2016, 25, 13-23.	3.1	148
7	Growth through Levels. Measurement, 2015, 13, 128-131.	0.2	1
8	Failing Tests: Commentary on "Adapting Educational Measurement to the Demands of Test-Based Accountability" Measurement, 2015, 13, 49-52.	0.2	0
9	Using item response theory to enrich and expand the PROMIS® pediatric self report banks. Health and Quality of Life Outcomes, 2014, 12, 160.	2.4	92
10	Comparing score tests and other local dependence diagnostics for the graded response model. British Journal of Mathematical and Statistical Psychology, 2014, 67, 496-513.	1.4	17
11	Development and psychometric properties of the PROMIS® pediatric fatigue item banks. Quality of Life Research, 2013, 22, 2417-2427.	3.1	128
12	Numerical Differentiation Methods for Computing Error Covariance Matrices in Item Response Theory Modeling. Educational and Psychological Measurement, 2013, 73, 412-439.	2.4	30
13	A Two-Decision Model for Responses to Likert-Type Items. Journal of Educational and Behavioral Statistics, 2013, 38, 522-547.	1.7	53
14	The Meaning of Goodness-of-Fit Tests: Commentary on "Goodness-of-Fit Assessment of Item Response Theory Models" Measurement, 2013, 11, 123-126.	0.2	4
15	PROMIS Pediatric Peer Relationships Scale: Development of a peer relationships item bank as part of social health measurement.. Health Psychology, 2013, 32, 1093-1103.	1.6	153
16	Using the Testlet Response Model as a Shortcut to Multidimensional Item Response Theory Subscore Computation. Springer Proceedings in Mathematics and Statistics, 2013, , 29-40.	0.2	7
17	Identifying Local Dependence With a Score Test Statistic Based on the Bifactor Logistic Model. Applied Psychological Measurement, 2012, 36, 670-688.	1.0	25
18	PROMIS® Parent Proxy Report Scales: an item response theory analysis of the parent proxy report item banks. Quality of Life Research, 2012, 21, 1223-1240.	3.1	105

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19	Multistage Computerized Adaptive Testing With Uniform Item Exposure. Applied Measurement in Education, 2012, 25, 118-141.	1.1	4
20	PROMIS Pediatric Anger Scale: an item response theory analysis. Quality of Life Research, 2012, 21, 697-706.	3.1	87
21	Construction of the eight-item patient-reported outcomes measurement information system pediatric physical function scales: built using item response theory. Journal of Clinical Epidemiology, 2011, 64, 794-804.	5.0	164
22	Using the PedsQLâ„¢ 3.0 asthma module to obtain scores comparable with those of the PROMIS pediatric asthma impact scale (PAIS). Quality of Life Research, 2011, 20, 1497-1505.	3.1	48
23	An item response analysis of the pediatric PROMIS anxiety and depressive symptoms scales. Quality of Life Research, 2010, 19, 595-607.	3.1	365
24	PROMIS Pediatric Pain Interference Scale: An Item Response Theory Analysis of the Pediatric Pain Item Bank. Journal of Pain, 2010, 11, 1109-1119.	1.4	258
25	Construction of the Pediatric Asthma Impact Scale (PAIS) for the Patient-Reported Outcomes Measurement Information System (PROMIS). Journal of Asthma, 2010, 47, 295-302.	1.7	88
26	On Interpreting the Parameters for any Item Response Model. Measurement, 2009, 7, 106-110.	0.2	2
27	Practical Issues in the Application of Item Response Theory. Medical Care, 2007, 45, S39-S47.	2.4	68
28	Psychometric Evaluation and Calibration of Health-Related Quality of Life Item Banks. Medical Care, 2007, 45, S22-S31.	2.4	1,242
29	Developing tailored instruments: item banking and computerized adaptive assessment. Quality of Life Research, 2007, 16, 95-108.	3.1	169
30	Identification of Differential Item Functioning Using Item Response Theory and the Likelihood-Based Model Comparison Approach. Medical Care, 2006, 44, S134-S142.	2.4	122
31	1 A History and Overview of Psychometrics. Handbook of Statistics, 2006, , 1-27.	0.6	17
32	How Is Reliability Related to the Quality of Test Scores? What Is the Effect of Local Dependence on Reliability?. Educational Measurement: Issues and Practice, 2005, 15, 22-29.	1.4	114
33	Psychometric Engineering as Art: Variations on a Theme. , 2003, , 3-18.		0
34	Quick and Easy Implementation of the Benjamini-Hochberg Procedure for Controlling the False Positive Rate in Multiple Comparisons. Journal of Educational and Behavioral Statistics, 2002, 27, 77-83.	1.7	651
35	Psychometric engineering as art. Psychometrika, 2001, 66, 473-485.	2.1	16
36	Likelihood-Based Item-Fit Indices for Dichotomous Item Response Theory Models. Applied Psychological Measurement, 2000, 24, 50-64.	1.0	489

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37	Estimation of item parameters for the three-parameter logistic model using the marginal likelihood of summed scores. British Journal of Mathematical and Statistical Psychology, 1999, 52, 19-37.	1.4	12
38	On the relationship between the higher-order factor model and the hierarchical factor model. Psychometrika, 1999, 64, 113-128.	2.1	335
39	A Comparison of Developmental Scales Based on Thurstone Methods and Item Response Theory. Journal of Educational Measurement, 1998, 35, 93-107.	1.2	36
40	Projecting to the NAEP Scale: Results from the North Carolina End-of-Grade Testing Program. Journal of Educational Measurement, 1998, 35, 277-296.	1.2	12
41	HOW IS RELIABILITY RELATED TO THE QUALITY OF TEST SCORES? WHAT IS THE EFFECT OF LOCAL DEPENDENCE ON RELIABILITY?. ETS Research Report Series, 1998, 1998, 22-29.	0.8	5
42	Local Dependence Indexes for Item Pairs Using Item Response Theory. Journal of Educational and Behavioral Statistics, 1997, 22, 265-289.	1.7	518
43	IRT Estimation of Domain Scores. Journal of Educational Measurement, 1997, 34, 197-211.	1.2	40
44	Uses of item response theory and the testlet concept in the measurement of psychopathology.. Psychological Methods, 1996, 1, 81-97.	3.5	107
45	Item Response Theory for Scores on Tests Including Polytomous Items with Ordered Responses. Applied Psychological Measurement, 1995, 19, 39-49.	1.0	146
46	Are Tests Comprising Both Multiple-Choice and Free-Response Items Necessarily Less Unidimensional Than Multiple-Choice Tests?An Analysis of Two Tests. Journal of Educational Measurement, 1994, 31, 113-123.	1.2	73
47	How Well Can We Compare Scores on Test Forms That Are Constructed by Examinees Choice?. Journal of Educational Measurement, 1994, 31, 183-199.	1.2	31
48	On the Relative Value of Multiple-Choice, Constructed Response, and Examinee-Selected Items on Two Achievement Tests. Journal of Educational Measurement, 1994, 31, 234-250.	1.2	119
49	On the Reliability of Testlet-Based Tests. Journal of Educational Measurement, 1991, 28, 237-247.	1.2	230
50	Differential Testlet Functioning: Definitions and Detection. Journal of Educational Measurement, 1991, 28, 197-219.	1.2	110
51	HOW WELL CAN WE EQUATE TEST FORMS THAT ARE CONSTRUCTED BY EXAMINEES?1. ETS Research Report Series, 1991, 1991, i.	0.8	13
52	Trace Lines for Testlets: A Use of Multiple-Categorical-Response Models. Journal of Educational Measurement, 1989, 26, 247-260.	1.2	145
53	Multiple-Choice Models: The Distractors Are Also Part of the Item. Journal of Educational Measurement, 1989, 26, 161-176.	1.2	81
54	Estimating Ability with the Wrong Model. Journal of Educational Statistics, 1987, 12, 339.	0.9	29

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55	Estimating Ability With the Wrong Model. Journal of Educational Statistics, 1987, 12, 339-368.	0.9	59
56	A taxonomy of item response models. Psychometrika, 1986, 51, 567-577.	2.1	315
57	XTREE: A Multivariate Graphical Icon Applicable in the Evaluation of Statistical Estimators. American Statistician, 1986, 40, 149-153.	1.6	4
58	A response model for multiple choice items. Psychometrika, 1984, 49, 501-519.	2.1	166
59	Reputed Band Attractiveness and Sex Manipulation in Zebra Finches. Science, 1982, 215, 423-423.	12.6	0
60	GRAPHICAL DATA ANALYSIS. ETS Research Report Series, 1981, 1981, 191-241.	0.8	5