Paul De Boeck

List of Publications by Year
in descending order

158 papers	7,357 citations	81839 39 h-index	64755 79 g-index
163 all docs	163 docs citations	163 times ranked	7117 citing authors

#	Article	IF	Citations
1	Redefine statistical significance. Nature Human Behaviour, 2018, 2, 6-10.	6.2	1,763
2	The appraisal basis of anger: Specificity, necessity and sufficiency of components.. Emotion, 2003, 3, 254-269.	1.5	268
3	Hierarchical classes: Model and data analysis. Psychometrika, 1988, 53, 361-381.	1.2	231
4	On the Interpretation and Use of Mediation: Multiple Perspectives on Mediation Analysis. Frontiers in Psychology, 2017, 8, 1984.	1.1	209
5	The Estimation of Item Response Models with the<tt>lmer</tt>Function from thelme4Package inR. Journal of Statistical Software, 2011, 39, .	1.8	190
6	Random Item IRT Models. Psychometrika, 2008, 73, 533-559.	1.2	186
7	A nonlinear mixed model framework for item response theory.. Psychological Methods, 2003, 8, 185-205.	2.7	183
8	A general framework and an R package for the detection of dichotomous differential item functioning. Behavior Research Methods, 2010, 42, 847-862.	2.3	181
9	Two-mode clustering methods: astructuredoverview. Statistical Methods in Medical Research, 2004, 13, 363-394.	0.7	178
10	Individual differences in patterns of appraisal and anger experience. Cognition and Emotion, 2007, 21, 689-713.	1.2	172
11	A Measurement Scale for Indecisiveness and its Relationship to Career Indecision and Other Types of Indecision. European Journal of Psychological Assessment, 2002, 18, 113-122.	1.7	134
12	A Hierarchical IRT Model for Criterion-Referenced Measurement. Journal of Educational and Behavioral Statistics, 2000, 25, 285-306.	1.0	116
13	IRTrees: Tree-Based Item Response Models of the GLMM Family. Journal of Statistical Software, 2012, 48, .	1.8	109
14	Cross-Classification Multilevel Logistic Models in Psychometrics. Journal of Educational and Behavioral Statistics, 2003, 28, 369-386.	1.0	106
15	Statistical inference in generalized linear mixed models: A review. British Journal of Mathematical and Statistical Psychology, 2006, 59, 225-255.	1.0	105
16	A Conceptual and Psychometric Framework for Distinguishing Categories and Dimensions.. Psychological Review, 2005, 112, 129-158.	2.7	104
17	Prototype and Exemplar-Based Information in Natural Language Categories. Journal of Memory and Language, 2000, 42, 51-73.	1.1	103
18	A generalized item response tree model for psychological assessments. Behavior Research Methods, 2016, 48, 1070-1085.	2.3	95

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19	An Overview of Models for Response Times and Processes in Cognitive Tests. Frontiers in Psychology, 2019, 10, 102.	1.1	94
20	Career indecision: Three factors from decision theory. Journal of Vocational Behavior, 2003, 62, 11-25.	1.9	84
21	IRT Models for Ability-Based Guessing. Applied Psychological Measurement, 2006, 30, 183-203.	0.6	75
22	Metastudies for robust tests of theory. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2607-2612.	3.3	74
23	Two interpretations of the discrimination parameter. Psychometrika, 2005, 70, 629-650.	1.2	73
24	Can fast and slow intelligence be differentiated?. Intelligence, 2012, 40, 23-32.	1.6	65
25	Indclas: A three-way hierarchical classes model. Psychometrika, 1999, 64, 9-24.	1.2	63
26	A comparison of four methods for simulating the diffusion process. Behavior Research Methods, 2001, 33, 443-456.	1.3	63
27	The test of selfâ€conscious affect: internal structure, differential scales and relationships with longâ€term affects. European Journal of Personality, 2001, 15, 449-463.	1.9	59
28	The Random Weights Linear Logistic Test Model. Applied Psychological Measurement, 2002, 26, 271-285.	0.6	59
29	Untying the Gordian Knot of Guilt and Shame. Journal of Cross-Cultural Psychology, 2006, 37, 273-292.	1.0	59
30	Modelling Conditional Dependence Between Response Time and Accuracy. Psychometrika, 2017, 82, 1126-1148.	1.2	59
31	The structure of negative emotion scales: generalization over contexts and comprehensiveness. European Journal of Personality, 2002, 16, 127-141.	1.9	57
32	A parametric model for local dependence among test items.. Psychological Methods, 1997, 2, 261-277.	2.7	56
33	Assessing and Explaining Differential Item Functioning Using Logistic Mixed Models. Journal of Educational and Behavioral Statistics, 2005, 30, 443-464.	1.0	56
34	The conjunctive model of hierarchical classes. Psychometrika, 1995, 60, 505-521.	1.2	54
35	The effect of ignoring item interactions on the estimated discrimination parameters in item response theory.. Psychological Methods, 2001, 6, 181-195.	2.7	53
36	Perceived crisis and reforms: Issues, explanations, and remedies.. Psychological Bulletin, 2018, 144, 757-777.	5.5	52

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37	Latent Class Models for Diary Method Data: Parameter Estimation by Local Computations. Psychometrika, 2008, 73, 167-182.	1.2	45
38	Copula Functions for Residual Dependency. Psychometrika, 2007, 72, 393-411.	1.2	44
39	A Speeded Item Response Model with Gradual Process Change. Psychometrika, 2008, 73, 65-87.	1.2	44
40	The induction of solution rules in Raven's Progressive Matrices Test. European Journal of Cognitive Psychology, 2002, 14, 521-547.	1.3	43
41	A Rasch Model for Detecting Learning While Solving an Intelligence Test. Applied Psychological Measurement, 2000, 24, 151-162.	0.6	38
42	Modeling Skipped and Notâ€Reached Items Using IRTrees. Journal of Educational Measurement, 2017, 54, 333-363.	0.7	36
43	RIM: A Random Item Mixture Model to Detect Differential Item Functioning. Journal of Educational Measurement, 2010, 47, 432-457.	0.7	35
44	The Heteroscedastic Graded Response Model with a Skewed Latent Trait: Testing Statistical and Substantive Hypotheses Related to Skewed Item Category Functions. Psychometrika, 2012, 77, 455-478.	1.2	34
45	Modelling Dyadic Interaction with Hawkes Processes. Psychometrika, 2013, 78, 793-814.	1.2	34
46	On the correlation between working memory capacity and performance on intelligence tests. Learning and Individual Differences, 2002, 13, 37-55.	1.5	33
47	Psychometric Modeling of Componentially Designed Synonym Tasks. Applied Psychological Measurement, 1997, 21, 37-50.	0.6	32
48	A double-structure structural equation model for three-mode data.. Psychological Methods, 2008, 13, 337-353.	2.7	32
49	Identity disturbances and self-other differentiation in schizophrenics, borderlines, and normal controls. Comprehensive Psychiatry, 1995, 36, 362-366.	1.5	31
50	Fruits and vegetables categorized: An application of the generalized context model. Psychonomic Bulletin and Review, 2002, 9, 836-844.	1.4	30
51	Conditional mixed models with crossed random effects. British Journal of Mathematical and Statistical Psychology, 2007, 60, 351-365.	1.0	30
52	Explanatory Secondary Dimension Modeling of Latent Differential Item Functioning. Applied Psychological Measurement, 2011, 35, 583-603.	0.6	30
53	Conditional Dependence between Response Time and Accuracy: An Overview of its Possible Sources and Directions for Distinguishing between Them. Frontiers in Psychology, 2017, 8, 202.	1.1	30
54	Response Mixture Modeling: Accounting for Heterogeneity in Item Characteristics across Response Times. Psychometrika, 2018, 83, 279-297.	1.2	30

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55	Attempting to differentiate fast and slow intelligence: Using generalized item response trees to examine the role of speed on intelligence tests. Intelligence, 2016, 56, 82-92.	1.6	28
56	Spontaneous and imposed speed of cognitive test responses. British Journal of Mathematical and Statistical Psychology, 2017, 70, 225-237.	1.0	28
57	A Componential IRT Model for Guilt. Multivariate Behavioral Research, 2003, 38, 161-188.	1.8	27
58	An item response model with internal restrictions on item difficulty. Psychometrika, 1998, 63, 47-63.	1.2	26
59	Do Raven's Colored Progressive Matrices function in the same way in typical and clinical populations? Insights from the intellectual disability field. Intelligence, 2011, 39, 281-291.	1.6	25
60	Additive Multilevel Item Structure Models with Random Residuals: Item Modeling for Explanation and Item Generation. Psychometrika, 2014, 79, 84-104.	1.2	25
61	Confirmatory Analyses of Componential Test Structure Using Multidimensional Item Response Theory. Multivariate Behavioral Research, 1999, 34, 245-268.	1.8	24
62	Numerical integration in logistic-normal models. Computational Statistics and Data Analysis, 2006, 51, 1535-1548.	0.7	24
63	Multidimensional Componential Item Response Theory Models for Polytomous Items. Applied Psychological Measurement, 2001, 25, 19-37.	0.6	23
64	How Much Power and Speed Is Measured in This Test?. Assessment, 2013, 20, 242-252.	1.9	23
65	The dominance effect in concept conjunctions: Generality and interaction aspects.. Journal of Experimental Psychology: Learning Memory and Cognition, 1996, 22, 1266-1280.	0.7	22
66	Probability matrix decomposition models. Psychometrika, 1996, 61, 7-29.	1.2	22
67	Generation speed in Raven's progressive matrices test. Intelligence, 1999, 27, 329-345.	1.6	22
68	Decision qualities of Bayes factor and p value-based hypothesis testing.. Psychological Methods, 2017, 22, 340-360.	2.7	22
69	Componential IRT Models for Polytomous Items. Journal of Educational Measurement, 1995, 32, 364-384.	0.7	21
70	Verbal fluency and verbal comprehension abilities in synonym tasks. Intelligence, 1996, 22, 291-310.	1.6	21
71	The inhibition of verbally aggressive behaviour. European Journal of Personality, 2004, 18, 537-555.	1.9	21
72	Projection of a binary criterion into a model of hierarchical classes. Psychometrika, 1990, 55, 677-694.	1.2	20

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73	Collaborative Problem Solving: Processing Actions, Time, and Performance. Frontiers in Psychology, 2019, 10, 1280.	1.1	20
74	Implicit Taxonomy in Psychiatric Diagnosis: A Case Study. Journal of Social and Clinical Psychology, 1989, 8, 276-287.	0.2	20
75	Identification of Differential Item Functioning in Multiple-Group Settings: A Multivariate Outlier Detection Approach. Multivariate Behavioral Research, 2011, 46, 733-755.	1.8	19
76	Dominance and noncommutativity effects in concept conjunctions: Extensional or intensional basis?. Memory and Cognition, 1993, 21, 752-762.	0.9	18
77	Not guppies, nor goldfish, but tumble dryers, Noriega, Jesse Jackson, panties, car crashes, bird books, and Stevie Wonder. Memory and Cognition, 1998, 26, 143-145.	0.9	18
78	Predicting conjunction typicalities by component typicalities. Psychonomic Bulletin and Review, 1999, 6, 677-684.	1.4	18
79	Structural analysis of the intension and extension of semantic concepts. European Journal of Cognitive Psychology, 1994, 6, 43-75.	1.3	17
80	Categorization of novel stimuli in well-known natural concepts: A case study. Psychonomic Bulletin and Review, 2001, 8, 377-384.	1.4	17
81	Locally dependent latent trait model for polytomous responses with application to inventory of hostility. Psychometrika, 2004, 69, 191-216.	1.2	17
82	Probabilistic feature analysis of facial perception of emotions. Journal of the Royal Statistical Society Series C: Applied Statistics, 2005, 54, 781-793.	0.5	17
83	From anger to verbal aggression: Inhibition at different levels. Personality and Individual Differences, 2007, 43, 47-57.	1.6	17
84	Traits and taxonomies: A hierarchical classes approach. European Journal of Personality, 1990, 4, 147-156.	1.9	16
85	Parameter estimation of multiple item response profile model. British Journal of Mathematical and Statistical Psychology, 2012, 65, 438-466.	1.0	16
86	Curvilinear dependency of response accuracy on response time in cognitive tests. Intelligence, 2018, 69, 16-23.	1.6	16
87	Constrained Latent Class Analysis of Three-Way Three-Mode Data. Journal of Classification, 2002, 19, 277-302.	1.2	15
88	A relation between a between-item multidimensional IRT model and the mixture rasch model. Psychometrika, 2005, 70, 481-496.	1.2	15
89	An IRT Model with a Parameter-Driven Process for Change. Psychometrika, 2005, 70, 651-669.	1.2	15
90	A Robust Outlier Approach to Prevent Type I Error Inflation in Differential Item Functioning. Educational and Psychological Measurement, 2012, 72, 291-311.	1.2	15

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91	A two-process theory of facial perception of emotions. Comptes Rendus De L'AcadÃ©mie Des Sciences SÃ©rie 3, Sciences De La Vie, 1999, 322, 669-675.	0.8	14
92	Estimation of the MIRID: A program and a SAS-based approach. Behavior Research Methods, 2003, 35, 537-549.	1.3	14
93	The instantiation principle re-evaluated. Memory, 2003, 11, 533-548.	0.9	14
94	Person Fit for Test Speededness. Methodology, 2010, 6, 3-16.	0.5	14
95	Accelerating Psychological Science With Metastudies: A Demonstration Using the Risky-Choice Framing Effect. Perspectives on Psychological Science, 2022, 17, 1704-1736.	5.2	14
96	Response Mixture Modeling of Intraindividual Differences in Responses and Response Times to the Hungarian WISC-IV Block Design Test. Journal of Intelligence, 2016, 4, 10.	1.3	13
97	Caregiver Burden Varies by Sensory Subtypes and Sensory Dimension Scores of Children with Autism. Journal of Autism and Developmental Disorders, 2018, 48, 1133-1146.	1.7	13
98	Evaluation on types of invariance in studying extreme response bias with an IRTree approach. British Journal of Mathematical and Statistical Psychology, 2019, 72, 517-537.	1.0	13
99	A Dynamic Model for Rule Induction Tasks. Journal of Mathematical Psychology, 2002, 46, 455-485.	1.0	12
100	Intelligence, Where to Look, Where to Go?. Journal of Intelligence, 2013, 1, 5-24.	1.3	12
101	A latent class model for individual differences in the interpretation of conditionals. Psychological Research, 2003, 67, 219-231.	1.0	11
102	Individual Differences in the Validity of a Cognitive Processing Model for Responses to Personality Inventories. Applied Psychological Measurement, 1981, 5, 481-492.	0.6	10
103	Bayesian Inference with Probability Matrix Decomposition Models. Journal of Educational and Behavioral Statistics, 2001, 26, 153-179.	1.0	10
104	Associations between emotions: correspondence across different types of data and componential basis. European Journal of Personality, 2004, 18, 159-176.	1.9	10
105	On the Relation Between the Linear Factor Model and the Latent Profile Model. Psychometrika, 2011, 76, 564-583.	1.2	10
106	A Generic Disjunctive/Conjunctive Decomposition Model forn-ary Relations. Journal of Mathematical Psychology, 1999, 43, 102-122.	1.0	9
107	Simple Mental Addition in Children with and without Mild Mental Retardation. Journal of Experimental Child Psychology, 1999, 74, 261-281.	0.7	9
108	Models for ordinal hierarchical classes analysis. Psychometrika, 2001, 66, 389-403.	1.2	9

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109	Propositional reasoning: The differential contribution of â€œrulesâ€•to the difficulty of complex reasoning problems. Memory and Cognition, 2001, 29, 165-175.	0.9	9
110	A taxonomy of latent structure assumptions for probability matrix decomposition models. Psychometrika, 2003, 68, 61-77.	1.2	9
111	Modeling Conditional Dependence of Response Accuracy and Response Time with the Diffusion Item Response Theory Model. Psychometrika, 2022, 87, 725-748.	1.2	9
112	Some Mantel-Haenszel tests of Rasch model assumptions. British Journal of Mathematical and Statistical Psychology, 2001, 54, 21-37.	1.0	8
113	Locally Dependent Linear Logistic Test Model With Person Covariates. Applied Psychological Measurement, 2009, 33, 555-569.	0.6	8
114	Functionally Unidimensional Item Response Models for Multivariate Binary Data. Multivariate Behavioral Research, 2013, 48, 534-562.	1.8	8
115	Contextualized Personality Questionnaires: A Case for Copulas in Structural Equation Models for Categorical Data. Multivariate Behavioral Research, 2013, 48, 845-870.	1.8	8
116	Validity of a Cognitive Processing Model for Responses to Adjective and Sentence Type Inventories. Applied Psychological Measurement, 1978, 2, 371-378.	0.6	7
117	On the evaluative factor in the trait scales of Peabody's study of trait inferences.. Journal of Personality and Social Psychology, 1978, 36, 619-621.	2.6	7
118	Distinguishing Constant and Dimension-Dependent Interaction: A Simulation Study. Applied Psychological Measurement, 1999, 23, 299-307.	0.6	7
119	Probability matrix decomposition models and main-effects generalized linear models for the analysis of replicated binary associations. Computational Statistics and Data Analysis, 2001, 38, 217-233.	0.7	7
120	A Confirmatory Factor Analysis Approach to Test Anxiety. Structural Equation Modeling, 2014, 21, 455-467.	2.4	7
121	An Implicit Theory of Intelligenceâ€Related Mental Activities. Journal of Personality, 1991, 59, 793-814.	1.8	6
122	Person Identification and Self-Concept in the Delusional Misidentification Syndrome. Psychopathology, 1994, 27, 48-57.	1.1	6
123	Detecting Heterogeneity in Logistic Regression Models. Applied Psychological Measurement, 2006, 30, 322-344.	0.6	6
124	On the Relationships between Sum Score Based Estimation and Joint Maximum Likelihood Estimation. Psychometrika, 2008, 73, 145-151.	1.2	6
125	An analysis of an item-response strategy based on knowledge retrieval. Behavior Research Methods, 2019, 51, 697-719.	2.3	6
126	Characterizing Sleep Problems in 16p11.2 Deletion and Duplication. Journal of Autism and Developmental Disorders, 2023, 53, 1462-1475.	1.7	6

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127	A randomness perspective on intelligence processes. Intelligence, 2022, 91, 101632.	1.6	6
128	Latent variable models for partially ordered responses and trajectory analysis of anger-related feelings. British Journal of Mathematical and Statistical Psychology, 2005, 58, 117-143.	1.0	5
129	Linear mixed modelling for data from a double mixed factorial design with covariates: a case-study on semantic categorization response times. Journal of the Royal Statistical Society Series C: Applied Statistics, 2014, 63, 289-302.	0.5	5
130	Modeling Intensive Polytomous Time-Series Eye-Tracking Data: A Dynamic Tree-Based Item Response Model. Psychometrika, 2020, 85, 154-184.	1.2	5
131	Part-instance association in the categorization of acts. Memory and Cognition, 1993, 21, 41-47.	0.9	4
132	The Contribution of a Response-Production Component to a Free-Response Synonym Task. Journal of Educational Measurement, 1996, 33, 417-432.	0.7	4
133	A local-influence-based diagnostic approach to a speeded item response theory model. Journal of the Royal Statistical Society Series C: Applied Statistics, 2006, 55, 647-676.	0.5	4
134	Educational assessment issues in linguistically diverse contexts: a case study using a generalised linear mixed model. Language, Culture and Curriculum, 2020, 33, 305-318.	1.7	4
135	Modeling Within-Item Dependencies in Parallel Data on Test Responses and Brain Activation. Psychometrika, 2021, 86, 239-271.	1.2	4
136	Research findings on the nature of constructs in schizophrenics. British Journal of Clinical Psychology, 1981, 20, 123-130.	1.7	3
137	Multi-Institutional Development of a Mastoidectomy Performance Evaluation Instrument. Journal of Surgical Education, 2017, 74, 1081-1087.	1.2	3
138	Cross-Institutional Evaluation of a Mastoidectomy Assessment Instrument. Journal of Surgical Education, 2018, 75, 678-687.	1.2	3
139	Controlling speed in component skills of reading improves the explanation of reading comprehension.. Journal of Educational Psychology, 2021, 113, 861-878.	2.1	3
140	Field Independence and Recognition of Trait Names in an Incidental Learning Paradigm. Perceptual and Motor Skills, 1978, 47, 307-311.	0.6	2
141	Standard Setting of Competency in Mastoidectomy for the Cross-Institutional Mastoidectomy Assessment Tool. Annals of Otology, Rhinology and Laryngology, 2020, 129, 340-346.	0.6	2
142	Trivariate Theory of Mind Data Analysis with a Conditional Joint Modeling Approach. Psychometrika, 2020, 85, 398-436.	1.2	2
143	The Many Faces of Intelligence: A Discussion of Gearyâ€™s Mitochondrial Functioning Theory on General Intelligence. Journal of Intelligence, 2020, 8, 8.	1.3	2
144	Analyzing experimental data using the Rasch model. Behavior Research Methods, 1998, 30, 501-505.	1.3	1

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145	Exploring the posterior of a hierarchical IRT model for item effects. Computational Statistics, 2000, 15, 421-442.	0.8	1
146	Beyond Registration Pre and Post. Computational Brain & Behavior, 2019, 2, 183-186.	0.9	1
147	Factors associated with sensitive regression weights: A fungible parameter approach. Behavior Research Methods, 2020, 52, 207-223.	2.3	1
148	Not all DIF is shaped similarly. Psychometrika, 2021, 86, 712-716.	1.2	1
149	Understanding the role of subpopulations and reliability in between-group studies. Behavior Research Methods, 2022, 54, 2162-2177.	2.3	1
150	An Alternative Factor Solution to the Mother's form of the Parental Attitude Research Instrument and the Relationships of Pari Factors with Social Class. Journal of Psychology: Interdisciplinary and Applied, 1976, 94, 79-86.	0.9	0
151	The immediacy hypothesis of schizophrenia tested in the Grid Test. British Journal of Clinical Psychology, 1981, 20, 131-132.	1.7	0
152	Between-Group Differences and Taxometrics. Psychological Reports, 2007, 100, 211-230.	0.9	0
153	Moving to the Double-Blind Review System. Journal of Intelligence, 2015, 3, 158-159.	1.3	0
154	Statistical modeling of intensive categorical time-series eye-tracking data using dynamic generalized linear mixed-effect models with crossed random effects. Psychology of Learning and Motivation - Advances in Research and Theory, 2020, 73, 1-31.	0.5	0
155	Does planning help for execution? The complex relationship between planning and execution. PLoS ONE, 2020, 15, e0237568.	1.1	0
156	The Hierarchical Rater Thresholds Model for Multiple Raters and Multiple Items. Open Education Studies, 2021, 3, 33-48.	0.4	0
157	From the Outgoing Editor. Journal of Intelligence, 2021, 9, 49.	1.3	0
158	Impact of word properties on list learning: An explanatory item analysis.. Neuropsychology, 2023, 37, 268-283.	1.0	0