Karl Schweizer

List of Publications by Year
in descending order

98 papers	1,630 citations	331670 21 h-index	361022 35 g-index
102 all docs	102 docs citations	102 times ranked	991 citing authors

#	Article	IF	Citations
1	On the detection of speededness in data despite selective responding using factor analysis. Journal of Experimental Education, 2022, 90, 486-504.	2.6	2
2	Strategy use moderates the relation between working memory capacity and fluid intelligence: A combined approach. Intelligence, 2022, 91, 101627.	3.0	5
3	Executive functions as predictors of critical thinking: Behavioral and neural evidence. Learning and Instruction, 2021, 71, 101376.	3.2	14
4	How Executive Processes Explain the Overlap between Working Memory Capacity and Fluid Intelligence: A Test of Process Overlap Theory. Journal of Intelligence, 2021, 9, 21.	2.5	4
5	Does rapid guessing prevent the detection of the effect of a time limit in testing?. Methodology, 2021, 17, 168-188.	1.1	2
6	Effect of Dichotomization on the Latent Structure of Data. Frontiers in Applied Mathematics and Statistics, 2021, 7, .	1.3	0
7	The dual mechanisms of cognitive control and their relation to reasoning and the item-position effect. Acta Psychologica, 2021, 221, 103448.	1.5	1
8	Higher-order processing and change-to-automaticity as explanations of the item-position effect in reasoning tests. Acta Psychologica, 2020, 203, 102991.	1.5	2
9	On Modeling Missing Data of an Incomplete Design in the CFA Framework. Frontiers in Psychology, 2020, 11, 581709.	2.1	2
10	A Semi-Hierarchical Confirmatory Factor Model for Speeded Data. Structural Equation Modeling, 2020, 27, 773-780.	3.8	4
11	Does Speededness in Collecting Reasoning Data Lead to a Speed Factor?. European Journal of Psychological Assessment, 2020, 36, 96-104.	3.0	4
12	An Investigation on How Inhibition in Cognitive Processing Contributes to Fluid Reasoning. Advances in Cognitive Psychology, 2020, 16, 176-185.	0.5	1
13	Scaling the Variance of a Latent Variable While Assuring Constancy of the Model. Frontiers in Psychology, 2019, 10, 887.	2.1	11
14	Speed Effect Analysis Using the CFA Framework. Frontiers in Psychology, 2019, 10, 239.	2.1	5
15	Does the Effect of a Time Limit for Testing Impair Structural Investigations by Means of Confirmatory Factor Models?. Educational and Psychological Measurement, 2019, 79, 40-64.	2.4	9
16	The Structural Validity of the Culture Fair Test Under Consideration of the Item-Position Effect. European Journal of Psychological Assessment, 2019, 35, 182-189.	3.0	2
17	The EV Scaling Method for Variances of Latent Variables. Methodology, 2019, 15, 175-184.	1.1	8
18	Executive Control in Learning: Evidence for the Dissociation of Rule Learning and Associative Learning. , 2019, 15, 41-51.		3

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19	Does processing speed exert an influence on the special relationship of fluid and general intelligence?. Personality and Individual Differences, 2018, 131, 57-60.	2.9	1
20	Speeded testing in the assessment of intelligence gives rise to a speed factor. Intelligence, 2018, 66, 64-71.	3.0	15
21	Structural Validity of the OSA Figures Scale for the Online Self-Assessment of Fluid Reasoning. European Journal of Psychological Assessment, 2018, 34, 321-327.	3.0	2
22	Is the Item-Position Effect in Achievement Measures Induced by Increasing Item Difficulty?. Structural Equation Modeling, 2017, 24, 745-754.	3.8	10
23	Learning and retrieval processes predict fluid intelligence over and above working memory. Intelligence, 2017, 61, 29-36.	3.0	10
24	On the relationship between executive functions of working memory and components derived from fluid intelligence measures. Acta Psychologica, 2017, 180, 79-87.	1.5	13
25	Do Adaptive Representations of the Item-Position Effect in APM Improve Model Fit? A Simulation Study. Educational and Psychological Measurement, 2017, 77, 743-765.	2.4	7
26	Does the modality of measures influence the relationship among working memory, learning and fluid intelligence?. Personality and Individual Differences, 2017, 105, 275-279.	2.9	3
27	Can Variances of Latent Variables be Scaled in Such a Way That They Correspond to Eigenvalues?. International Journal of Statistics and Probability, 2017, 6, 35.	0.3	1
28	Construct-focused Configural Invariance for Measures Showing a Multi-dimensional Structure and Application to Exchange Test Data. International Journal of Statistics and Probability, 2016, 5, 55.	0.3	1
29	Schooling effects on intelligence development: evidence based on national samples from urban and rural China. Educational Psychology, 2016, 36, 831-844.	2.7	6
30	Differential Effects of Executive Processes on Working Memory. Journal of Individual Differences, 2016, 37, 239-249.	1.0	0
31	The Prediction of Studentsâ€™ Academic Performance With Fluid Intelligence in Giving Special Consideration to the Contribution of Learning. Advances in Cognitive Psychology, 2015, 11, 97-105.	0.5	23
32	The modeling of temporary storage and its effect on fluid intelligence: Evidence from both Brownâ€“Peterson and complex span tasks. Intelligence, 2015, 49, 84-93.	3.0	9
33	Elucidating the Functional Relationship Between Working Memory Capacity and Psychometric Intelligence: A Fixed-Links Modeling Approach for Experimental Repeated-Measures Designs. Advances in Cognitive Psychology, 2015, 11, 3-13.	0.5	9
34	The contribution of temporary storage and executive processes to category learning. Acta Psychologica, 2015, 160, 88-94.	1.5	5
35	Models for the Detection of Deviations from the Expected Processing Strategy in Completing the Items of Cognitive Measures. Multivariate Behavioral Research, 2015, 50, 544-554.	3.1	4
36	A fixed-links modeling approach to assess individual differences in the attentional blink: Analysis of behavioral and psychophysiological data. Acta Psychologica, 2015, 159, 123-130.	1.5	4

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37	Elucidating the Functional Relationship Between Working Memory Capacity and Psychometric Intelligence: A Fixed-Links Modeling Approach for Experimental Repeated-Measures Designs. Advances in Cognitive Psychology, 2015, 11, 3-13.	0.5	0
38	Intelligence is related to specific processes in visual change detection: Fixed-links modeling of hit rate and reaction time. Intelligence, 2014, 43, 8-20.	3.0	8
39	Relations between the attentional blink and aspects of psychometric intelligence: A fixed-links modeling approach. Personality and Individual Differences, 2014, 58, 122-127.	2.9	6
40	A learning-based account of fluid intelligence from the perspective of the position effect. Learning and Individual Differences, 2014, 31, 30-35.	2.7	31
41	An account of the relationship between fluid intelligence and complex learning in considering storage capacity and executive attention. Intelligence, 2013, 41, 537-545.	3.0	17
42	The sources of the relationship between sustained attention and reasoning. Intelligence, 2013, 41, 51-58.	3.0	21
43	An account of performance in accessing information stored in long-term memory. A fixed-links model approach. Learning and Individual Differences, 2013, 24, 126-133.	2.7	1
44	Process-based account for the effects of perceptual attention and executive attention on fluid intelligence: An integrative approach. Acta Psychologica, 2013, 142, 195-202.	1.5	12
45	A Threshold-Free Approach to the Study of the Structure of Binary Data. International Journal of Statistics and Probability, 2013, 2, .	0.3	16
46	On Correlated Errors. European Journal of Psychological Assessment, 2012, 28, 1-2.	3.0	24
47	How does attention relate to the ability-specific and position-specific components of reasoning measured by APM?. Learning and Individual Differences, 2012, 22, 1-7.	2.7	22
48	Validity Improvement in Two Reasoning Measures Following the Elimination of the Position Effect. Journal of Individual Differences, 2012, 33, 54-61.	1.0	3
49	Perceptual and Cognitive Assessment. European Journal of Psychological Assessment, 2012, 28, 161-163.	3.0	0
50	The Web Version of the Exchange Test. European Journal of Psychological Assessment, 2012, 28, 181-189.	3.0	2
51	The structure of research methodology competency in higher education and the role of teaching teams and course temporal distance. Learning and Instruction, 2011, 21, 68-76.	3.2	9
52	On the special relationship between fluid and general intelligence: New evidence obtained by considering the position effect. Personality and Individual Differences, 2011, 50, 1249-1254.	2.9	22
53	Scaling Variances of Latent Variables by Standardizing Loadings: Applications to Working Memory and the Position Effect. Multivariate Behavioral Research, 2011, 46, 938-955.	3.1	24
54	Probability-Based and Measurement-Related Hypotheses With Full Restriction for Investigations by Means of Confirmatory Factor Analysis. Methodology, 2011, 7, 157-164.	1.1	1

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55	Avoiding the effect of item wording by means of bipolar instead of unipolar items: An application to social optimism. European Journal of Personality, 2010, 24, 137-150.	3.1	11
56	Differential effects of intelligence, perceptual speed and age on growth in attentional speed and accuracy. Intelligence, 2010, 38, 83-92.	3.0	10
57	Decay of iconic memory traces is related to psychometric intelligence: A fixed-links modeling approach. Learning and Individual Differences, 2010, 20, 699-704.	2.7	15
58	The Relationship of Attention and Intelligence. Plenum Series on Human Exceptionality, 2010, , 247-262.	2.0	16
59	Individual Differences in Attention: The Commentaries. Plenum Series on Human Exceptionality, 2010, , 283-292.	2.0	1
60	Improving the Interpretability of the Variances of Latent Variables by Uniform and Factor-Specific Standardizations of Loadings. Methodology, 2010, 6, 152-159.	1.1	12
61	Fixedâ€links models for investigating experimental effects combined with processing strategies in repeated measures designs: A cognitive task as example. British Journal of Mathematical and Statistical Psychology, 2009, 62, 217-232.	1.4	16
62	Investigating Experimental Effects Within the Framework of Structural Equation Modeling: An Example With Effects on Both Error Scores and Reaction Times. Structural Equation Modeling, 2008, 15, 327-345.	3.8	38
63	An IRT Analysis of the Personal Optimism Scale. European Journal of Psychological Assessment, 2008, 24, 49-56.	3.0	18
64	An Investigation of the Structure of the Social Optimism Scale with Respect to the Dimensionality Problem. Journal of Individual Differences, 2008, 29, 223-230.	1.0	13
65	Investigating the relationship of working memory tasks and fluid intelligence tests by means of the fixed-links model in considering the impurity problem. Intelligence, 2007, 35, 591-604.	3.0	38
66	On the Separability of Cognitive Abilities Related to Posner's Attention Components. European Psychologist, 2007, 12, 103-118.	3.1	13
67	Method effects due to social desirability as a parsimonious explanation of the deviation from unidimensionality in LOT-R scores. Personality and Individual Differences, 2007, 42, 1597-1607.	2.9	100
68	On the validity of Ravenâ€™s matrices test: Does spatial ability contribute to performance?. Personality and Individual Differences, 2007, 43, 1998-2010.	2.9	40
69	The Fixed-Links Model in Combination With the Polynomial Function as a Tool for Investigating Choice Reaction Time Data. Structural Equation Modeling, 2006, 13, 403-419.	3.8	25
70	Latent Factors Underlying Individual Differences in Attention Measures. European Journal of Psychological Assessment, 2006, 22, 177-188.	3.0	25
71	The Fixed-Links Model for Investigating the Effects of General and Specific Processes on Intelligence. Methodology, 2006, 2, 149-160.	1.1	20
72	Intelligenz. , 2006, , 2-15.		1

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73	Intelligenzdiagnostik. , 2006, , 70-83.		0
74	The structure of the relationship between attention and intelligence. Intelligence, 2005, 33, 589-611.	3.0	97
75	An Overview of Research into the Cognitive Basis of Intelligence. Journal of Individual Differences, 2005, 26, 43-51.	1.0	43
76	Attention and working memory as predictors of intelligence. Intelligence, 2004, 32, 329-347.	3.0	139
77	The Effect of Retest Practice on the Speed-Ability Relationship. European Psychologist, 2004, 9, 24-31.	3.1	9
78	Perceptual processes and cognitive ability. Intelligence, 2003, 31, 211-235.	3.0	21
79	A revision of Cattell's Investment Theory. Learning and Individual Differences, 2002, 13, 57-82.	2.7	56
80	Does impulsivity influence performance in reasoning?. Personality and Individual Differences, 2002, 33, 1031-1043.	2.9	29
81	Preattentive processing and cognitive ability. Intelligence, 2001, 29, 169-186.	3.0	16
82	The assessment of components of optimism by POSO-E. Personality and Individual Differences, 2001, 31, 563-574.	2.9	57
83	The Contributions of Memory and Attention Processes to Cognitive Abilities. Journal of General Psychology, 2001, 128, 30-42.	2.8	24
84	The Role of Mechanisms under High Processing Complexity. European Psychologist, 2001, 6, 133-143.	3.1	8
85	Sustained attention, intelligence, and the crucial role of perceptual processes. Learning and Individual Differences, 2000, 12, 271-286.	2.7	36
86	Cognitive Bias of Optimism and its Influence on Psychological Well-Being. Psychological Reports, 1999, 84, 627-636.	1.7	53
87	Visual Search, Reaction Time, and Cognitive Ability. Perceptual and Motor Skills, 1998, 86, 79-84.	1.3	4
88	Complexity of Information Processing and the Speed-Ability Relationship. Journal of General Psychology, 1998, 125, 89-102.	2.8	15
89	Social optimism as generalized expectancy of a positive outcome. Personality and Individual Differences, 1997, 22, 317-325.	2.9	22
90	Level of encoding, preattentive processing and working-memory capacity as sources of cognitive ability. Personality and Individual Differences, 1996, 21, 759-766.	2.9	13

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91	The speed-accuracy transition due to task complexity. Intelligence, 1996, 22, 115-128.	3.0	53
92	Effect of Task Demand and Stimulus Relevance on Preattentive Processing. Perceptual and Motor Skills, 1995, 80, 1123-1128.	1.3	7
93	Focal-Attentive and Preattentive Processes in Letter- and Figure-Search Tasks. Perceptual and Motor Skills, 1994, 79, 1347-1354.	1.3	8
94	Structural diversity of the speed-ability relationship due to information-processing skills. Personality and Individual Differences, 1994, 17, 607-616.	2.9	12
95	Verbal ability and speed of information-processing. Personality and Individual Differences, 1993, 15, 645-652.	2.9	7
96	The effect of two information-processing skills on the speed-ability relationship. Personality and Individual Differences, 1993, 14, 713-722.	2.9	9
97	The contribution of access to external information, stimulus complexity, and variability to cognitive abilities. Personality and Individual Differences, 1993, 14, 87-95.	2.9	13
98	A Correlation-Based Decision-Rule for Determining the Number of Clusters and Its Efficiency in Uni- and Multi-Level Data. Multivariate Behavioral Research, 1992, 27, 77-94.	3.1	7