

Oliver Wilhelm

List of Publications by Year in descending order

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Version: 2024-02-01

146
papers

10,219
citations

71102

41
h-index

38395

95
g-index

172
all docs

172
docs citations

172
times ranked

7644
citing authors

#	ARTICLE	IF	CITATIONS
1	Working memory span tasks: A methodological review and user's guide. <i>Psychonomic Bulletin and Review</i> , 2005, 12, 769-786.	2.8	1,984
2	The Generality of Working Memory Capacity: A Latent-Variable Approach to Verbal and Visuospatial Memory Span and Reasoning.. <i>Journal of Experimental Psychology: General</i> , 2004, 133, 189-217.	2.1	1,288
3	Working-memory capacity explains reasoning ability and a little bit more. <i>Intelligence</i> , 2002, 30, 261-288.	3.0	520
4	Individual differences in components of reaction time distributions and their relations to working memory and intelligence.. <i>Journal of Experimental Psychology: General</i> , 2007, 136, 414-429.	2.1	403
5	The multiple faces of working memory. <i>Intelligence</i> , 2003, 31, 167-193.	3.0	371
6	A Tutorial on Hierarchically Structured Constructs. <i>Journal of Personality</i> , 2012, 80, 796-846.	3.2	363
7	Working Memory and Intelligence--Their Correlation and Their Relation: Comment on Ackerman, Beier, and Boyle (2005).. <i>Psychological Bulletin</i> , 2005, 131, 61-65.	6.1	340
8	What is working memory capacity, and how can we measure it?. <i>Frontiers in Psychology</i> , 2013, 4, 433.	2.1	279
9	Which working memory functions predict intelligence?. <i>Intelligence</i> , 2008, 36, 641-652.	3.0	206
10	Complex span versus updating tasks of working memory: The gap is not that deep.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2009, 35, 1089-1096.	0.9	198
11	A psychometric analysis of the reading the mind in the eyes test: toward a brief form for research and applied settings. <i>Frontiers in Psychology</i> , 2015, 6, 1503.	2.1	149
12	Individual differences in perceiving and recognizing faces--One element of social cognition.. <i>Journal of Personality and Social Psychology</i> , 2010, 99, 530-548.	2.8	148
13	The meaning(s) of conditionals: Conditional probabilities, mental models, and personal utilities.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2003, 29, 680-693.	0.9	143
14	Facial EMG Responses to Emotional Expressions Are Related to Emotion Perception Ability. <i>PLoS ONE</i> , 2014, 9, e84053.	2.5	109
15	The Impact of Model Misspecification on Parameter Estimation and Item-Fit Assessment in Log-Linear Diagnostic Classification Models. <i>Journal of Educational Measurement</i> , 2012, 49, 59-81.	1.2	89
16	Why are reasoning ability and working memory capacity related to mental speed? An investigation of stimulus-response compatibility in choice reaction time tasks. <i>European Journal of Cognitive Psychology</i> , 2006, 18, 18-50.	1.3	80
17	On the nature of crystallized intelligence: the relationship between verbal ability and factual knowledge. <i>Intelligence</i> , 2014, 46, 156-168.	3.0	80
18	Methods matter: Testing competing models for designing short-scale Big-Five assessments. <i>Journal of Research in Personality</i> , 2015, 59, 56-68.	1.7	80

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19	Toward a comprehensive test battery for face cognition: Assessment of the tasks. <i>Behavior Research Methods</i> , 2008, 40, 840-857.	4.0	76
20	On the specificity of face cognition compared with general cognitive functioning across adult age.. <i>Psychology and Aging</i> , 2011, 26, 701-715.	1.6	74
21	Exploring Factor Model Parameters across Continuous Variables with Local Structural Equation Models. <i>Multivariate Behavioral Research</i> , 2016, 51, 257-258.	3.1	74
22	Environment-Specific vs. General Knowledge and Their Role in Pro-environmental Behavior. <i>Frontiers in Psychology</i> , 2019, 10, 718.	2.1	74
23	Sex differences in facial emotion perception ability across the lifespan. <i>Cognition and Emotion</i> , 2019, 33, 579-588.	2.0	74
24	Measuring the 7Cs of Vaccination Readiness. <i>European Journal of Psychological Assessment</i> , 2022, 38, 261-269.	3.0	66
25	The relation of speeded and unspeeded reasoning with mental speed. <i>Intelligence</i> , 2002, 30, 537-554.	3.0	63
26	The development of emotional and behavioral self-regulation and their effects on academic achievement in childhood. <i>International Journal of Behavioral Development</i> , 2018, 42, 192-202.	2.4	63
27	Structural invariance and age-related performance differences in face cognition.. <i>Psychology and Aging</i> , 2010, 25, 794-810.	1.6	61
28	Psychopathic men: Deficits in general mental ability, not emotion perception.. <i>Journal of Abnormal Psychology</i> , 2018, 127, 294-304.	1.9	61
29	Test battery for measuring the perception and recognition of facial expressions of emotion. <i>Frontiers in Psychology</i> , 2014, 5, 404.	2.1	60
30	Meta-Heuristics in Short Scale Construction: Ant Colony Optimization and Genetic Algorithm. <i>PLoS ONE</i> , 2016, 11, e0167110.	2.5	60
31	Individual Differences in Face Cognition: Brainâ€Behavior Relationships. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 571-589.	2.3	57
32	Individual differences in conflict-monitoring: testing means and covariance hypothesis about the Simon and the Eriksen Flanker task. <i>Psychological Research</i> , 2009, 73, 762-776.	1.7	55
33	Perceiving and remembering emotional facial expressions â€” A basic facet of emotional intelligence. <i>Intelligence</i> , 2015, 50, 52-67.	3.0	55
34	Sex differences in face cognition. <i>Acta Psychologica</i> , 2013, 142, 62-73.	1.5	54
35	Cognitive Abilities Explain Wording Effects in the Rosenberg Self-Esteem Scale. <i>Assessment</i> , 2020, 27, 404-418.	3.1	54
36	Equivalence of Reading and Listening Comprehension Across Test Media. <i>Educational and Psychological Measurement</i> , 2011, 71, 849-869.	2.4	53

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37	Ant Colony Optimization and Local Weighted Structural Equation Modeling. A Tutorial on Novel Item and Person Sampling Procedures for Personality Research. <i>European Journal of Personality</i> , 2019, 33, 400-419.	3.1	52
38	Handbook of Understanding and Measuring Intelligence. , 2005, , .		52
39	A practical illustration of multidimensional diagnostic skills profiling: Comparing results from confirmatory factor analysis and diagnostic classification models. <i>Studies in Educational Evaluation</i> , 2009, 35, 64-70.	2.3	49
40	Facial Emotion Expression, Individual Differences in. , 2015, , 667-675.		49
41	The Structure of the Rosenberg Self-Esteem Scale. <i>Zeitschrift Fur Psychologie / Journal of Psychology</i> , 2018, 226, 14-29.	1.0	49
42	Individual Differences in Working Memory Capacity and Reasoning Ability. , 2008, , 49-75.		49
43	Will the Real Factors of Prosociality Please Stand Up? A Comment on Bäckler, Tusche, and Singer (2016). <i>Social Psychological and Personality Science</i> , 2018, 9, 493-499.	3.9	47
44	Self-Reported Cognitive Failures. <i>Journal of Individual Differences</i> , 2010, 31, 1-14.	1.0	47
45	Individual differences in response conflict adaptations. <i>Frontiers in Psychology</i> , 2013, 4, 947.	2.1	43
46	Equivalence of Screen Versus Print Reading Comprehension Depends on Task Complexity and Proficiency. <i>Discourse Processes</i> , 2017, 54, 427-445.	1.8	43
47	Factor structure and validity of paper-and-pencil measures of mental speed: Evidence for a higher-order model?. <i>Intelligence</i> , 2005, 33, 491-514.	3.0	41
48	Neurocognitive mechanisms of individual differences in face cognition: A replication and extension. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2014, 14, 861-878.	2.0	41
49	Emotion perception and empathy: An individual differences test of relations.. <i>Emotion</i> , 2017, 17, 1092-1106.	1.8	41
50	Intelligence Differentiation in Early Childhood. <i>Journal of Individual Differences</i> , 2011, 32, 170-179.	1.0	39
51	Modeling Mental Speed: Decomposing Response Time Distributions in Elementary Cognitive Tasks and Correlations with Working Memory Capacity and Fluid Intelligence. <i>Journal of Intelligence</i> , 2016, 4, 13.	2.5	38
52	Examining the Factor Structure and Validity of the Multidimensional Assessment of Interoceptive Awareness. <i>Journal of Personality Assessment</i> , 2021, 103, 675-684.	2.1	37
53	Testing Reasoning Ability with Handheld Computers, Notebooks, and Paper and Pencil. <i>European Journal of Psychological Assessment</i> , 2010, 26, 284-292.	3.0	37
54	Measuring Reasoning Ability. , 2005, , 373-392.		37

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55	Structure and Correlates of the German Version of the Brief UPPS Impulsive Behavior Scales. <i>European Journal of Psychological Assessment</i> , 2009, 25, 175-185.	3.0	36
56	Face and object cognition across adult age.. <i>Psychology and Aging</i> , 2013, 28, 243-248.	1.6	35
57	Multi-Modal Signals for Analyzing Pain Responses to Thermal and Electrical Stimuli. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	35
58	A situational judgement test of professional behaviour: development and validation. <i>Medical Teacher</i> , 2008, 30, 528-533.	1.8	34
59	Sty in the Mind™s Eye: A Meta-Analytic Investigation of the Nomological Network and Internal Consistency of the "Reading the Mind in the Eyes" Test. <i>Assessment</i> , 2022, 29, 872-895.	3.1	33
60	An emotion-differentiated perspective on empathy with the emotion specific empathy questionnaire. <i>Frontiers in Psychology</i> , 2014, 5, 653.	2.1	32
61	Psychometric challenges and proposed solutions when scoring facial emotion expression codes. <i>Behavior Research Methods</i> , 2014, 46, 992-1006.	4.0	32
62	On the relationship of emotional abilities and prosocial behavior. <i>Evolution and Human Behavior</i> , 2017, 38, 298-308.	2.2	32
63	A Reappraisal of the Threshold Hypothesis of Creativity and Intelligence. <i>Journal of Intelligence</i> , 2020, 8, 38.	2.5	30
64	Themes of the dark core of personality.. <i>Psychological Assessment</i> , 2021, 33, 511-525.	1.5	30
65	Measuring the speed of recognising facially expressed emotions. <i>Cognition and Emotion</i> , 2012, 26, 650-666.	2.0	29
66	Do the smart get smarter? Development of fluid and crystallized intelligence in 3rd grade. <i>Intelligence</i> , 2016, 59, 84-95.	3.0	28
67	A Meta-Analysis of Test Scores in Proctored and Unproctored Ability Assessments. <i>European Journal of Psychological Assessment</i> , 2020, 36, 174-184.	3.0	28
68	Behavioral and neuronal determinants of negative reciprocity in the ultimatum game. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 1608-1617.	3.0	27
69	The Multiple Faces of Risk-Taking. <i>European Journal of Psychological Assessment</i> , 2016, 32, 17-38.	3.0	27
70	Preventing Response Elimination Strategies Improves the Convergent Validity of Figural Matrices. <i>Journal of Intelligence</i> , 2016, 4, 2.	2.5	26
71	Detecting Careless Responding in Survey Data Using Stochastic Gradient Boosting. <i>Educational and Psychological Measurement</i> , 2022, 82, 29-56.	2.4	25
72	Effects of Directionality in Deductive Reasoning: II. Premise Integration and Conclusion Evaluation. <i>Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology</i> , 2005, 58, 1225-1247.	2.3	24

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73	Emotion Recognition in Nonverbal Face-to-Face Communication. <i>Journal of Nonverbal Behavior</i> , 2017, 41, 221-238.	1.0	23
74	Pitfalls and Challenges in Constructing Short Forms of Cognitive Ability Measures. <i>Journal of Individual Differences</i> , 2014, 35, 190-200.	1.0	23
75	Forced-Choice Versus Likert Responses on an Occupational Big Five Questionnaire. <i>Journal of Individual Differences</i> , 2019, 40, 134-148.	1.0	23
76	Age-related changes in the mean and covariance structure of fluid and crystallized intelligence in childhood and adolescence. <i>Intelligence</i> , 2015, 48, 15-29.	3.0	22
77	The influence of item sampling on sex differences in knowledge tests. <i>Intelligence</i> , 2016, 58, 22-32.	3.0	22
78	Development of sex differences in math achievement, self-concept, and interest from grade 5 to 7. <i>Contemporary Educational Psychology</i> , 2018, 54, 55-65.	2.9	22
79	Dedifferentiation and differentiation of intelligence in adults across age and years of education. <i>Intelligence</i> , 2018, 69, 37-49.	3.0	22
80	On the dimensionality of crystallized intelligence: A smartphone-based assessment. <i>Intelligence</i> , 2019, 72, 76-85.	3.0	22
81	Further evidence for a multifaceted model of mental speed: Factor structure and validity of computerized measures. <i>Learning and Individual Differences</i> , 2012, 22, 324-335.	2.7	21
82	A confirmatory examination of age-associated personality differences: Deriving age-related measurement-invariant solutions using ant colony optimization. <i>Journal of Personality</i> , 2018, 86, 1037-1049.	3.2	20
83	The "in Faking: Doublethink the Validity of Personality Self-Report Measures for Applicant Selection. <i>Frontiers in Psychology</i> , 2018, 9, 2153.	2.1	20
84	Caught in the Act: Predicting Cheating in Unproctored Knowledge Assessment. <i>Assessment</i> , 2021, 28, 1004-1017.	3.1	20
85	Age and gender differences in socially aversive ("dark") personality traits. <i>European Journal of Personality</i> , 2022, 36, 3-23.	3.1	20
86	Prediction of self-reported knowledge with over-claiming, fluid and crystallized intelligence and typical intellectual engagement. <i>Learning and Individual Differences</i> , 2011, 21, 742-746.	2.7	19
87	The Structure of the Toronto Alexithymia Scale (TAS-20): A Meta-Analytic Confirmatory Factor Analysis. <i>Assessment</i> , 2022, 29, 1806-1823.	3.1	19
88	All categories are equal, but some categories are more equal than others: The psychometric structure of object and face cognition.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2018, 44, 1254-1268.	0.9	19
89	Reading, listening, and viewing comprehension in English as a foreign language: One or more constructs?. <i>Intelligence</i> , 2010, 38, 562-573.	3.0	18
90	Associations of the COMT Val158Met polymorphism with working memory and intelligence – A review and meta-analysis. <i>Intelligence</i> , 2017, 65, 75-92.	3.0	18

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91	Structural encoding processes contribute to individual differences in face and object cognition: Inferences from psychometric test performance and event-related brain potentials. <i>Cortex</i> , 2017, 95, 192-210.	2.4	18
92	Overarching Principles for the Organization of Socioemotional Constructs. <i>Current Directions in Psychological Science</i> , 2020, 29, 63-70.	5.3	18
93	Mental Speed: On Frameworks, Paradigms, and a Platform for the Future. , 2005, , 27-46.		17
94	Computer usage questionnaire: Structure, correlates, and gender differences. <i>Computers in Human Behavior</i> , 2011, 27, 899-904.	8.5	15
95	Can Training Enhance Face Cognition Abilities in Middle-Aged Adults?. <i>PLoS ONE</i> , 2014, 9, e90249.	2.5	15
96	Facial responsiveness of psychopaths to the emotional expressions of others. <i>PLoS ONE</i> , 2018, 13, e0190714.	2.5	15
97	Psychometrics of the Iowa and Berlin Gambling Tasks: Unresolved Issues With Reliability and Validity for Risk Taking. <i>Assessment</i> , 2020, 27, 232-245.	3.1	15
98	Structural differences in life satisfaction in a U.S. adult sample across age. <i>Journal of Personality</i> , 2021, 89, 1232-1251.	3.2	15
99	To predict the future, consider the past: Revisiting Carroll (1993) as a guide to the future of intelligence research. <i>Intelligence</i> , 2021, 89, 101585.	3.0	15
100	Effects of directionality in deductive reasoning: I. The comprehension of single relational premises.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2000, 26, 1702-1712.	0.9	14
101	“Grandpa, Do you like Roller Coasters?”™: Identifying Age-Appropriate Personality Indicators. <i>European Journal of Personality</i> , 2019, 33, 264-278.	3.1	14
102	Dynamical systems analysis applied to working memory data. <i>Frontiers in Psychology</i> , 2014, 5, 687.	2.1	13
103	Was grenzt das Kompetenzkonzept von etablierten Kategorien wie Fähigkeit, Fertigkeit oder Intelligenz ab?. <i>Zeitschrift Fur Erziehungswissenschaft</i> , 2013, 16, 23-26.	2.9	12
104	Change in Fluid and Crystallized Intelligence and Student Achievement: The Role of Intellectual Engagement. <i>Child Development</i> , 2018, 89, 1074-1087.	3.0	12
105	Situational Judgment Tests as a method for measuring personality: Development and validity evidence for a test of Dependability. <i>PLoS ONE</i> , 2019, 14, e0211884.	2.5	11
106	Ecological momentary assessment of digital literacy: Influence of fluid and crystallized intelligence, domain-specific knowledge, and computer usage. <i>Intelligence</i> , 2016, 59, 170-180.	3.0	10
107	Are event-related potentials to dynamic facial expressions of emotion related to individual differences in the accuracy of processing facial expressions and identity?. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2017, 17, 364-380.	2.0	10
108	Measuring parents’ readiness to vaccinate themselves and their children against COVID-19. <i>Vaccine</i> , 2022, 40, 3825-3834.	3.8	10

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109	Individual Differences in the Speed of Facial Emotion Recognition Show Little Specificity but Are Strongly Related with General Mental Speed: Psychometric, Neural and Genetic Evidence. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 149.	2.0	9
110	Scoring Alternatives for Mental Speed Tests: Measurement Issues and Validity for Working Memory Capacity and the Attentional Blink Effect. <i>Journal of Intelligence</i> , 2018, 6, 47.	2.5	9
111	Perceiving faces: Too much, too fast?â€”face specificity in response caution.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2019, 45, 16-38.	0.9	9
112	Knowledge Is Power for Medical Assistants: Crystallized and Fluid Intelligence As Predictors of Vocational Knowledge. <i>Frontiers in Psychology</i> , 2018, 9, 28.	2.1	8
113	Modern health worries: Deriving two measurement invariant short scales for cross-cultural research with Ant Colony Optimization. <i>PLoS ONE</i> , 2019, 14, e0211819.	2.5	8
114	Science Self-Concept â€” More than the Sum of Its Parts?. <i>Journal of Experimental Education</i> , 2022, 90, 435-451.	2.6	8
115	Coffee or tea? Examining cross-cultural differences in personality nuances across former colonies of the British Empire. <i>European Journal of Personality</i> , 2021, 35, 383-397.	3.1	8
116	Emotion expression abilities and psychopathy.. <i>Personality Disorders: Theory, Research, and Treatment</i> , 2021, 12, 546-559.	1.3	8
117	Age-related nuances in knowledge assessment. <i>Intelligence</i> , 2021, 85, 101526.	3.0	8
118	Typical intellectual engagement and achievement in math and the sciences in secondary education. <i>Learning and Individual Differences</i> , 2015, 43, 31-38.	2.7	7
119	Reliability generalization of tasks and recommendations for assessing the ability to perceive facial expressions of emotion.. <i>Psychological Assessment</i> , 2021, 33, 911-926.	1.5	7
120	A Hierarchical Bayesian Model With Correlated Residuals for Investigating Stability and Change in Intensive Longitudinal Data Settings. <i>Methodology</i> , 2014, 10, 126-137.	1.1	7
121	Cognitive Performance in Young APOE Î¼4 Carriers: A Latent Variable Approach for Assessing the Genotypeâ€”Phenotype Relationship. <i>Behavior Genetics</i> , 2019, 49, 455-468.	2.1	6
122	Binding Costs in Processing Efficiency as Determinants of Cognitive Ability. <i>Journal of Intelligence</i> , 2021, 9, 18.	2.5	6
123	Structural invariance of declarative knowledge across the adult lifespan.. <i>Psychology and Aging</i> , 2022, 37, 283-297.	1.6	6
124	The Good, the Bad, and the Clever: Faking Ability as a Socio-Emotional Ability?. <i>Journal of Intelligence</i> , 2021, 9, 13.	2.5	5
125	Associations of the MAOA uVNTR genotype and 5-HTTLPR/rs25531 haplotype with psychopathic traits. <i>Psychoneuroendocrinology</i> , 2021, 131, 105275.	2.7	5
126	Pädagogisch-psychologische Diagnostik. Springer-Lehrbuch, 2015, , 305-328.	0.0	5

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127	A call for revamping socio-emotional ability research in autism. Behavioral and Brain Sciences, 2019, 42, .	0.7	5
128	Examining age-related shared variance between face cognition, vision, and self-reported physical health: a test of the common cause hypothesis for social cognition. Frontiers in Psychology, 2015, 6, 1189.	2.1	4
129	Socio-economic, cultural, social, and cognitive aspects of family background and the biology competency of ninth-graders in Germany. Learning and Individual Differences, 2016, 45, 185-192.	2.7	4
130	Mene Mene Tekel Upharsin: Clerical Speed and Elementary Cognitive Speed are Different by Virtue of Test Mode Only. Journal of Intelligence, 2019, 7, 16.	2.5	4
131	Psychological models of development of idiopathic environmental intolerances: Evidence from longitudinal population-based data. Environmental Research, 2022, 204, 111774.	7.5	4
132	Face Cognition: A Set of Distinct Mental Abilities. Nature Precedings, 2007, , .	0.1	3
133	Psychopathy checklist: Screening version: A bifactor structure for forensic and community samples.. Psychological Assessment, 2021, 33, 1050-1064.	1.5	3
134	Intelligence: A Diva and a Workhorse. , 2005, , 1-10.		3
135	Training working memory for two yearsâ€”No evidence of transfer to intelligence.. Journal of Experimental Psychology: Learning Memory and Cognition, 2022, 48, 717-733.	0.9	3
136	Examining moderators of vocabulary acquisition from kindergarten through elementary school using local structural equation modeling. Learning and Individual Differences, 2022, 95, 102136.	2.7	3
137	Incremental Validity of Multidimensional Proficiency Scores from Diagnostic Classification Models: An Illustration for Elementary School Mathematics. International Journal of Testing, 2017, 17, 277-301.	0.3	2
138	Facial Perception. , 2015, , 676-682.		2
139	The Effect of Stimulus-Response Compatibility on the Association of Fluid Intelligence and Working Memory with Choice Reaction Times. Journal of Cognition, 2019, 2, .	1.4	2
140	Item-Level Time Limits Are Not a Panacea. Measurement, 2015, 13, 182-185.	0.2	1
141	25. Sprachliche FÃähigkeiten und Intelligenz. , 2016, , 523-543.		1
142	Exploration of experimental design and statistical methods using the <i>stickâ€“onâ€“theâ€“wall spaghetti</i> rule. Teaching Statistics, 2018, 40, 40-45.	0.9	1
143	Approaches to the Assessment of Emotional Intelligence. , 2008, , 199-229.		1
144	An Intensive Longitudinal Study of the Development of Student Achievement over Two Years (LUISE). Methodology of Educational Measurement and Assessment, 2017, , 333-354.	0.4	0

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145	Computerized Facial Emotion Expression Recognition. Studies in Neuroscience, Psychology and Behavioral Economics, 2019, , 31-44.	0.3	0
146	Pädagogisch-psychologische Diagnostik. , 2020, , 311-334.		0