Andreas MÃ¼hling

List of Publications by Year
in descending order

23 papers	420 citations	1684188 5 h-index	1720034 7 g-index
24 all docs	24 docs citations	24 times ranked	235 citing authors

#	Article	IF	Citations
1	Design and First Results of a Psychometric Test for Measuring Basic Programming Abilities. , 2015, , .		70
2	Scratch vs. Karel. , 2014, , .		60
3	Playing PISA with bebras. , 2014, , .		56
4	Towards a conceptualization of pedagogical content knowledge for computer science. , 2013, , .		45
5	Developing Assessments to Determine Mastery of Programming Fundamentals. , 2018, , .		42
6	Investigating the Psychometric Structure of Bebras Contest: Towards Mesuring Computational Thinking Skills. , 2015, , .		20
7	Gender differences in programming. , 2015, , .		20
8	Exploring teachers' attitudes towards object oriented modelling and programming in secondary schools. , 2010, , .		13
9	What students (should) know about object oriented programming. , 2011, , .		13
10	The gap between knowledge and ability. , 2012, , .		11
11	Complexity in Education for Sustainable Consumption—An Educational Data Mining Approach using Mysteries. Sustainability, 2019, 11, 722.	3.2	10
12	Handling Heterogeneity in Programming Courses for Freshmen. , 2015, , .		9
13	Aggregating concept map data to investigate the knowledge of beginning CS students. Computer Science Education, 2016, 26, 176-191.	3.7	6
14	Using Theory-Based Test Construction to Develop a New Curriculum-Based Measurement for Sentence Reading Comprehension. Frontiers in Education, 2018, 3, .	2.1	6
15	Dimensions of Programming Knowledge. Lecture Notes in Computer Science, 2015, , 32-44.	1.3	6
16	Levumi: A Web-Based Curriculum-Based Measurement to Monitor Learning Progress in Inclusive Classrooms. Lecture Notes in Computer Science, 2018, , 369-378.	1.3	6
17	Competency Mining in Large Data Sets - Preparing Large Scale Investigations in Computer Science Education. , 2014, , .		6
18	Exploring core ideas of procedural understanding in scientific inquiry using educational data mining. Research in Science and Technological Education, 2023, 41, 372-392.	2.5	5

#	Article	IF	Citations
19	Progress Monitoring in Primary Education using Levumi: A Case Study. , 2019, , .		4
20	Investigating cognitive structures of object oriented programming. , 2011, , .		3
21	The Mystery Method Reconsideredâ€"A Tool for Assessing Systems Thinking in Education for Sustainable Development. Education Sciences, 2019, 9, 260.	2.6	2
22	Towards software-supported large scale assessment of knowledge development. , 2012, , .		1
23	How Learning Styles in CS Can Foster Inclusion of Visually Impaired Students. , 2015, , .		1