

Baichang Zhong

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

612
citations

1163117

8
h-index

888059

17
g-index

23
all docs

23
docs citations

23
times ranked

438
citing authors

#	ARTICLE	IF	CITATIONS
1	Review on portable EEG technology in educational research. Computers in Human Behavior, 2018, 81, 340-349.	8.5	127
2	A systematic review on teaching and learning robotics content knowledge in K-12. Computers and Education, 2018, 127, 267-282.	8.3	102
3	An Exploration of Three-Dimensional Integrated Assessment for Computational Thinking. Journal of Educational Computing Research, 2016, 53, 562-590.	5.5	98
4	A Systematic Review on Exploring the Potential of Educational Robotics in Mathematics Education. International Journal of Science and Mathematics Education, 2020, 18, 79-101.	2.5	86
5	The impact of social factors on pair programming in a primary school. Computers in Human Behavior, 2016, 64, 423-431.	8.5	64
6	Can Pair Learning Improve Students' Troubleshooting Performance in Robotics Education?. Journal of Educational Computing Research, 2020, 58, 220-248.	5.5	27
7	Effects of roles assignment and learning styles on pair learning in robotics education. International Journal of Technology and Design Education, 2021, 31, 41-59.	2.6	17
8	Investigating the effect of reverse engineering pedagogy in K-12 robotics education. Computer Applications in Engineering Education, 2021, 29, 1097-1111.	3.4	16
9	Troubleshooting to Learn via Scaffolds: Effect on Students' Ability and Cognitive Load in a Robotics Course. Journal of Educational Computing Research, 2021, 59, 95-118.	5.5	14
10	The design and application of IRobotQ3D for simulating robotics experiments in K-12 education. Computer Applications in Engineering Education, 0, , .	3.4	12
11	An exploration of combining virtual and physical robots in robotics education. Interactive Learning Environments, 2023, 31, 370-382.	6.4	11
12	Is There a Digital Divide Between Urban Students and Migrant Students in China?. SAGE Open, 2021, 11, 215824402110163.	1.7	6
13	A literature review on the empirical studies of technology-based embodied learning. Interactive Learning Environments, 2023, 31, 5180-5199.	6.4	6
14	Effects of programming tools with different degrees of embodiment on learning Boolean operations. Education and Information Technologies, 2022, 27, 6211-6231.	5.7	6
15	A Proposed Taxonomy of Teaching Models in STEM Education: Robotics as an Example. SAGE Open, 2022, 12, 215824402210995.	1.7	6
16	Exploring the Non-significant Difference on Students' Cognitive Load Imposed by Robotics Tasks in Pair Learning. International Journal of Social Robotics, 2022, 14, 3-13.	4.6	4
17	Teachers' time investment in online teaching. International Journal of Continuing Engineering Education and Life-Long Learning, 2017, 27, 111.	0.2	3
18	Effects of new coopetition designs on learning performance in robotics education. Journal of Computer Assisted Learning, 2022, 38, 223-236.	5.1	3

#	ARTICLE	IF	CITATIONS
19	Effects of Pair Learning on Girlsâ€™ Learning Performance in Robotics Education. Journal of Educational Computing Research, 2023, 61, 151-177.	5.5	2
20	Effects of Troubleshooting Tasks with Prompt Information on Students' Transfer Performance in Robotics Education. , 2019, , .		1
21	The Investigation of Primary School Students' Cooperative and Competitive Personality in Robotics Course. , 2019, , .		1
22	A research framework of pair learning in robotics education. International Journal of Smart Technology and Learning, 2019, 1, 281.	0.2	0
23	China: reform research-evaluation criteria. Nature, 2022, 602, 386-386.	27.8	0