

Marietjie Potgieter

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

299
citations

1040056

9
h-index

940533

16
g-index

21
all docs

21
docs citations

21
times ranked

298
citing authors

#	ARTICLE	IF	CITATIONS
1	Transfer of algebraic and graphical thinking between mathematics and chemistry. Journal of Research in Science Teaching, 2008, 45, 197-218.	3.3	63
2	Inaccuracy of self-evaluation as additional variable for prediction of students at risk of failing first-year chemistry. Chemistry Education Research and Practice, 2010, 11, 17-24.	2.5	37
3	Metacognitive monitoring and learning gain in foundation chemistry. Chemistry Education Research and Practice, 2014, 15, 94-104.	2.5	27
4	Use of the Rasch measurement model to explore the relationship between content knowledge and topic-specific pedagogical content knowledge for organic chemistry. International Journal of Science Education, 2016, 38, 1483-1503.	1.9	24
5	Lessons Learnt from Teaching and Learning During Disruptions. , 2019, , 89-107.		24
6	Confidence versus Performance as an Indicator of the Presence of Alternative Conceptions and Inadequate Problem-solving Skills in Mechanics. International Journal of Science Education, 2010, 32, 1407-1429.	1.9	22
7	Preparedness for tertiary chemistry: multiple applications of the Chemistry Competence Test for diagnostic and prediction purposes. Chemistry Education Research and Practice, 2011, 12, 193-204.	2.5	19
8	Blended learning in a second year organic chemistry class: students' perceptions and preferences of the learning support. Chemistry Education Research and Practice, 2020, 21, 24-36.	2.5	15
9	Manifestations of metacognitive activity during the collaborative planning of chemistry practical investigations. International Journal of Science Education, 2017, 39, 1465-1484.	1.9	11
10	Evaluating the Success of a Science Academic Development Programme at a Research-intensive University. African Journal of Research in Mathematics, Science and Technology Education, 2014, 18, 287-298.	1.0	10
11	Assessment of preparedness of first-year chemistry students: development and application of an instrument for diagnostic and placement purposes. African Journal of Research in Mathematics, Science and Technology Education, 2008, 12, 1-17.	1.0	9
12	Learning Strategies for First-Year Biology: Toward Moving the "Murky Middle". CBE Life Sciences Education, 2018, 17, ar42.	2.3	9
13	Is Topic-Specific PCK Unique to Teachers?. Contributions From Science Education Research, 2017, , 69-85.	0.5	6
14	Refining Process-oriented Guided Inquiry Learning for Chemistry Students in an Academic Development Programme. African Journal of Research in Mathematics, Science and Technology Education, 2019, 23, 145-156.	1.0	5
15	Hands-On Spectroscopy: Inside and Outside the First-Year Laboratory. Journal of Chemical Education, 2020, 97, 1549-1555.	2.3	5
16	The Usefulness of the Rasch Model for the Refinement of Likert Scale Questionnaires. African Journal of Research in Mathematics, Science and Technology Education, 2013, 17, 126-138.	1.0	4
17	Insights from training a blind student in biological sciences. South African Journal of Science, 2021, 117, .	0.7	4
18	Effectiveness of the blended design of a first-year biology course. International Journal of Science Education, 2021, 43, 2025-2043.	1.9	3

#	ARTICLE	IF	CITATIONS
19	Improving the quality of learning in a blended learning environment for first-year biology. , 0, , .		2
20	Evaluation Criteria for a Science Access Program: A Case Study at a South African University. , 2017, , 59-71.		0