

Marietjie Potgieter

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19
papers

198
citations

8
h-index

13
g-index

21
ext. papers

222
ext. citations

1.7
avg, IF

3.32
L-index

#	Paper	IF	Citations
19	Transfer of algebraic and graphical thinking between mathematics and chemistry. <i>Journal of Research in Science Teaching</i> , 2008 , 45, 197-218	3.4	44
18	Inaccuracy of self-evaluation as additional variable for prediction of students at risk of failing first-year chemistry. <i>Chemistry Education Research and Practice</i> , 2010 , 11, 17-24	2.1	29
17	Lessons Learnt from Teaching and Learning During Disruptions 2019 , 89-107		20
16	Metacognitive monitoring and learning gain in foundation chemistry. <i>Chemistry Education Research and Practice</i> , 2014 , 15, 94-104	2.1	18
15	Use of the Rasch measurement model to explore the relationship between content knowledge and topic-specific pedagogical content knowledge for organic chemistry. <i>International Journal of Science Education</i> , 2016 , 38, 1483-1503	2.2	16
14	Confidence versus Performance as an Indicator of the Presence of Alternative Conceptions and Inadequate Problem-Solving Skills in Mechanics. <i>International Journal of Science Education</i> , 2010 , 32, 1407-1429	2.2	15
13	Preparedness for tertiary chemistry: multiple applications of the Chemistry Competence Test for diagnostic and prediction purposes. <i>Chemistry Education Research and Practice</i> , 2011 , 12, 193-204	2.1	15
12	Blended learning in a second year organic chemistry class: students' perceptions and preferences of the learning support. <i>Chemistry Education Research and Practice</i> , 2020 , 21, 24-36	2.1	8
11	Manifestations of metacognitive activity during the collaborative planning of chemistry practical investigations. <i>International Journal of Science Education</i> , 2017 , 39, 1465-1484	2.2	6
10	Learning Strategies for First-Year Biology: Toward Moving the "Murky Middle". <i>CBE Life Sciences Education</i> , 2018 , 17, ar42	3.4	5
9	Refining Process-oriented Guided Inquiry Learning for Chemistry Students in an Academic Development Programme. <i>African Journal of Research in Mathematics, Science and Technology Education</i> , 2019 , 23, 145-156	0.4	4
8	Evaluating the Success of a Science Academic Development Programme at a Research-intensive University. <i>African Journal of Research in Mathematics, Science and Technology Education</i> , 2014 , 18, 287-298	0.4	4
7	Is Topic-Specific PCK Unique to Teachers?. <i>Contributions From Science Education Research</i> , 2017 , 69-85	0.2	4
6	The Usefulness of the Rasch Model for the Refinement of Likert Scale Questionnaires. <i>African Journal of Research in Mathematics, Science and Technology Education</i> , 2013 , 17, 126-138	0.4	3
5	Assessment of preparedness of first-year chemistry students: development and application of an instrument for diagnostic and placement purposes. <i>African Journal of Research in Mathematics, Science and Technology Education</i> , 2008 , 12, 1-17	0.4	3
4	Improving the quality of learning in a blended learning environment for first-year biology		2
3	Hands-On Spectroscopy: Inside and Outside the First-Year Laboratory. <i>Journal of Chemical Education</i> , 2020 , 97, 1549-1555	2.4	1

- 2 Effectiveness of the blended design of a first-year biology course. *International Journal of Science Education*, **2021**, 43, 2025-2043 2.2 0
- 1 Evaluation Criteria for a Science Access Program: A Case Study at a South African University **2017**, 59-71