

# Marietjie Potgieter

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6519522/publications.pdf>

Version: 2024-02-01

20  
papers

299  
citations

1039406

9  
h-index

940134

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. <i>Journal of Research in Science Teaching</i> , 2008, 45, 197-218.	2.0	63
2	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.	1.4	37
3	Metacognitive monitoring and learning gain in foundation chemistry. <i>Chemistry Education Research and Practice</i> , 2014, 15, 94-104.	1.4	27
4	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.	1.0	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. <i>International Journal of Science Education</i> , 2010, 32, 1407-1429.	1.0	22
7	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.	1.4	19
8	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.	1.4	15
9	Manifestations of metacognitive activity during the collaborative planning of chemistry practical investigations. <i>International Journal of Science Education</i> , 2017, 39, 1465-1484.	1.0	11
10	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.	0.2	10
11	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.	0.2	9
12	Learning Strategies for First-Year Biology: Toward Moving the "Murky Middle". <i>CBE Life Sciences Education</i> , 2018, 17, ar42.	1.1	9
13	Is Topic-Specific PCK Unique to Teachers?. <i>Contributions From Science Education Research</i> , 2017, , 69-85.	0.4	6
14	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.	0.2	5
15	Hands-On Spectroscopy: Inside and Outside the First-Year Laboratory. <i>Journal of Chemical Education</i> , 2020, 97, 1549-1555.	1.1	5
16	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.	0.2	4
17	Insights from training a blind student in biological sciences. <i>South African Journal of Science</i> , 2021, 117, .	0.3	4
18	Effectiveness of the blended design of a first-year biology course. <i>International Journal of Science Education</i> , 2021, 43, 2025-2043.	1.0	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