

# Jeanne Kriek

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/597412/publications.pdf>

Version: 2024-02-01

24  
papers

295  
citations

1163117

8  
h-index

888059

17  
g-index

24  
all docs

24  
docs citations

24  
times ranked

232  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploration and categorisation of pre-service physics teachers' understanding of superconductivity and nanotechnology. <i>European Journal of Physics</i> , 2022, 43, 025701.	0.6	0
2	Science Teachers' Experiences when Implementing Problem-based Learning in Rural Schools. <i>African Journal of Research in Mathematics, Science and Technology Education</i> , 2021, 25, 148-159.	1.0	4
3	Self-directed learning: A sine qua non in in-service teacher education. <i>NWU Self-directed Learning Series</i> , 2021, , 165-192.	0.1	0
4	Self-Directed Learning: An imperative for education in a complex society. <i>NWU Self-directed Learning Series</i> , 2021, , .	0.1	0
5	Analysis of Students' Conceptions of Basic Magnetism from a Complex Systems Perspective. <i>Research in Science Education</i> , 2020, 50, 375-392.	2.3	12
6	The alignment of the Grade 12 physics examination with the CAPS curriculum: (November 2014–March 2015). <i>Journal of Research in Science Teaching</i> , 2016, 53, 100-110.	0.6	0
7	A Holistic Picture of Physics Student Conceptions of Energy Quantization, the Photon Concept, and Light Quanta Interference. <i>International Journal of Science and Mathematics Education</i> , 2019, 17, 1049-1070.	2.5	17
8	An Exploratory Study on the Alignment between the Different Levels of the Curriculum on Circuit Electricity. <i>African Journal of Research in Mathematics, Science and Technology Education</i> , 2019, 23, 309-319.	1.0	0
9	Exploring effective pedagogies using computer simulations to improve Grade 12 learners' understanding of the photoelectric effect. <i>African Journal of Research in Mathematics, Science and Technology Education</i> , 2018, 22, 329-339.	1.0	8
10	LESSONS LEARNT WHEN DEVELOPING A TECHNOLOGY INTEGRATED INTERVENTION FOR FIRST YEAR PHYSICS STUDENTS. , 2017, , .		0
11	The Effect of Computer Simulations on Acquisition of Knowledge and Cognitive Load: A Gender Perspective. <i>African Journal of Research in Mathematics, Science and Technology Education</i> , 2016, 20, 67-79.	1.0	4
12	The Impact of Computer Simulations as Interactive Demonstration Tools on the Performance of Grade 11 Learners in Electromagnetism. <i>African Journal of Research in Mathematics, Science and Technology Education</i> , 2014, 18, 100-110.	1.0	6
13	'n Vergelykende studie oor kennis en persepsies van radioaktiwiteit. <i>South African Journal of Science and Technology</i> , 2014, 33, .	0.1	0
14	CONCEPTUAL CHANGE ACTIVITIES ALLEVIATING MISCONCEPTIONS ABOUT ELECTRIC CIRCUITS. <i>Journal of Baltic Science Education</i> , 2014, 13, 298-315.	1.0	4
15	Categorization of Alternative Conceptions in Electricity and Magnetism: the Case of Ethiopian Undergraduate Students. <i>Research in Science Education</i> , 2013, 43, 1891-1915.	2.3	17
16	Students' conceptual change in electricity and magnetism using simulations: A comparison of cognitive perturbation and cognitive conflict. <i>Journal of Research in Science Teaching</i> , 2013, 50, 677-698.	3.3	56
17	Wave-particle duality and uncertainty principle: Phenomenographic categories of description of tertiary physics students' depictions. <i>Physical Review Physics Education Research</i> , 2011, 7, .	1.7	46
18	The contribution of simulations to the practical work of Foundation Physics students at the University of Limpopo. <i>Multicultural Education and Technology Journal</i> , 2011, 5, 288-302.	2.0	1

#	ARTICLE	IF	CITATIONS
19	Why don't all maths teachers use dynamic geometry software in their classrooms?. Australasian Journal of Educational Technology, 2011, 27, .	3.5	35
20	Teachers' beliefs and their intention to use interactive simulations in their classrooms. South African Journal of Education, 2010, 30, 439-456.	0.6	23
21	Lesotho's students' achievement in mathematics and their teachers' background and professional development. Pythagoras, 2009, .	0.2	3
22	A Holistic Professional Development model for South African physical science teachers. South African Journal of Education, 2009, 29, 185-203.	0.6	43
23	The relationship between teaching practices and students' achievement in mathematics in Lesotho. African Journal of Research in Mathematics, Science and Technology Education, 2008, 12, 107-118.	1.0	0
24	Implementation of the new FET Physical Sciences curriculum: teachers' perspectives. African Journal of Research in Mathematics, Science and Technology Education, 2008, 12, 63-75.	1.0	14