

Jeanne Kriek

List of Publications by Year in descending order

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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	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
2	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
3	A Holistic Professional Development model for South African physical science teachers. <i>South African Journal of Education</i> , 2009, 29, 185-203.	0.6	43
4	Why don't all maths teachers use dynamic geometry software in their classrooms?. <i>Australasian Journal of Educational Technology</i> , 2011, 27, .	3.5	35
5	Teachers'™ beliefs and their intention to use interactive simulations in their classrooms. <i>South African Journal of Education</i> , 2010, 30, 439-456.	0.6	23
6	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
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	Implementation of the new FET Physical Sciences curriculum: teachers' perspectives. <i>African Journal of Research in Mathematics, Science and Technology Education</i> , 2008, 12, 63-75.	1.0	14
9	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
10	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
11	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
12	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
13	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
14	CONCEPTUAL CHANGE ACTIVITIES ALLEVIATING MISCONCEPTIONS ABOUT ELECTRIC CIRCUITS. <i>Journal of Baltic Science Education</i> , 2014, 13, 298-315.	1.0	4
15	Lesotho's students' achievement in mathematics and their teachers' background and professional development. <i>Pythagoras</i> , 2009, .	0.2	3
16	The alignment of the Grade 12 physics examination with the CAPS curriculum: (November 2014â€“March) Tj ETQq0,0 0 rgBT,2/Overlock		
17	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
18	The relationship between teaching practices and students' achievement in mathematics in Lesotho. <i>African Journal of Research in Mathematics, Science and Technology Education</i> , 2008, 12, 107-118.	1.0	0

#	ARTICLE	IF	CITATIONS
19	An Exploratory Study on the Alignment between the Different Levels of the Curriculum on Circuit Electricity. African Journal of Research in Mathematics, Science and Technology Education, 2019, 23, 309-319.	1.0	0
20	â€™n Vergelykende studie oor kennis en persepsies van radioaktiwiteit. South African Journal of Science and Technology, 2014, 33, .	0.1	0
21	LESSONS LEARNT WHEN DEVELOPING A TECHNOLOGY INTEGRATED INTERVENTION FOR FIRST YEAR PHYSICS STUDENTS. , 2017, , .		0
22	Self-directed learning: A sine qua non in in-service teacher education. NWU Self-directed Learning Series, 2021, , 165-192.	0.1	0
23	Self-Directed Learning: An imperative for education in a complex society. NWU Self-directed Learning Series, 2021, , .	0.1	0
24	Exploration and categorisation of pre-service physics teachersâ€™ understanding of superconductivity and nanotechnology. European Journal of Physics, 2022, 43, 025701.	0.6	0