

# Ian D Sanders

## 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.

29 papers	179 citations	9 h-index	11 g-index
32 ext. papers	218 ext. citations	3 avg, IF	2.76 L-index

#	Paper	IF	Citations
29	Animating recursion as an aid to instruction. <i>Computers and Education</i> , <b>1994</b> , 23, 221-226	9.5	22
28	A fundamentals-based curriculum for first year computer science <b>2000</b> ,		16
27	Mental models of recursion <b>2010</b> ,		15
26	Computer self-efficacy, gender, and educational background in South Africa. <i>IEEE Technology and Society Magazine</i> , <b>2003</b> , 22, 43-48	0.8	13
25	Perceptions of Computer Science at a South African university. <i>Computers and Education</i> , <b>2007</b> , 49, 1330-1356	13.56	12
24	Mental models of recursion revisited <b>2006</b> ,		11
23	Mental models of recursion. <i>SIGCSE Bulletin</i> , <b>2003</b> , 35, 346-350	0	11
22	An online collaborative document creation exercise in an ODL research project module. <i>Computers and Education</i> , <b>2014</b> , 77, 116-124	9.5	9
21	Facial emotion recognition using temporal relational network: an application to E-learning. <i>Multimedia Tools and Applications</i> , <b>2020</b> , 1	2.5	9
20	Mental models of recursion revisited. <i>SIGCSE Bulletin</i> , <b>2006</b> , 38, 138-142	0	8
19	AAPT. <i>SIGCSE Bulletin</i> , <b>1991</b> , 23, 41-47	0	8
18	Segmenting mangrove ecosystems drone images using SLIC superpixels. <i>Geocarto International</i> , <b>2019</b> , 34, 1648-1662	2.7	7
17	Computer science education in Peru. <i>SIGCSE Bulletin</i> , <b>2009</b> , 41, 86-89	0	6
16	Gender imbalances in computer science at the University of the Witwatersrand. <i>SIGCSE Bulletin</i> , <b>1993</b> , 25, 2-4	0	5
15	ALEX: an aid to teaching algorithms. <i>SIGCSE Bulletin</i> , <b>1991</b> , 23, 36-44	0	5
14	Language performance at high school and success in first year computer science <b>2006</b> ,		4
13	Students' perceptions of python as a first programming language at wits <b>2008</b> ,		3

12	Estimation of Learning Affects Experienced by Learners: An Approach Using Relational Reasoning and Adaptive Mapping. <i>Wireless Communications and Mobile Computing</i> , <b>2022</b> , 2022, 1-14	1.9	3
11	First year students' understanding of the flow of control in recursive algorithms. <i>African Journal of Research in Mathematics, Science and Technology Education</i> , <b>2012</b> , 16, 348-362	0.4	2
10	A fundamentals-based curriculum for first year computer science. <i>SIGCSE Bulletin</i> , <b>2000</b> , 32, 227-231	0	2
9	An improved first year course taking into account third world students. <i>SIGCSE Bulletin</i> , <b>1993</b> , 25, 213-217		2
8	Bag context picture grammars. <i>Journal of Computer Languages</i> , <b>2019</b> , 51, 214-221	1.5	1
7	Requirements for secure graphical password schemes <b>2014</b> ,		1
6	Perceptual Similarity of Images Generated using Tree Grammars <b>2014</b> ,		1
5	Learners' and Educators' Perspectives on the Value of Web Design in the South African Grade 11 Computer Applications Technology Curriculum. <i>African Journal of Research in Mathematics, Science and Technology Education</i> , <b>2016</b> , 20, 267-277	0.4	
4	Teaching empirical analysis of algorithms. <i>SIGCSE Bulletin</i> , <b>2002</b> , 34, 321-325	0	
3	Teaching computer science. <i>SIGCSE Bulletin</i> , <b>1996</b> , 28, 102-106	0	
2	Goofs in the Class: Students' Errors and Misconceptions When Learning Regular Expressions. <i>Communications in Computer and Information Science</i> , <b>2021</b> , 57-71	0.3	
1	Syntactic Generation of Similar Pictures. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 153-180	0.4	