

# Arnold Pears

## 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.

60  
papers

720  
citations

11  
h-index

25  
g-index

97  
ext. papers

962  
ext. citations

1.6  
avg, IF

3.8  
L-index

#	Paper	IF	Citations
60	A survey of literature on the teaching of introductory programming. <i>SIGCSE Bulletin</i> , <b>2007</b> , 39, 204-223	0	228
59	A survey of literature on the teaching of introductory programming. <i>SIGCSE Bulletin</i> , <b>2007</b> ,	0	73
58	Constructing a core literature for computing education research. <i>SIGCSE Bulletin</i> , <b>2005</b> , 37, 152-161	0	62
57	Students' understanding of computer networks in an internationally distributed course		32
56	Automatized Verification of Ad Hoc Routing Protocols. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 343-358	0.9	26
55	Digital Competence, Teacher Self-Efficacy and Training Needs <b>2018</b> ,		20
54	First Year Computer Science and IT Students' Experience of Participation in the Discipline <b>2014</b> ,		15
53	Teaching Machine Learning in K12 Classroom: Pedagogical and Technological Trajectories for Artificial Intelligence Education. <i>IEEE Access</i> , <b>2021</b> , 9, 110558-110572	3.5	15
52	Engagement in Computer Science and IT -- What! A Matter of Identity? <b>2013</b> ,		13
51	Second year computer science and IT students' experience of participation in the discipline <b>2015</b> ,		12
50	Developing global teamwork skills: The Runestone project <b>2010</b> ,		11
49	Learning computer science: perceptions, actions and roles. <i>European Journal of Engineering Education</i> , <b>2009</b> , 34, 327-338	1.5	11
48	Modelling competencies for computing education beyond 2020: a research based approach to defining competencies in the computing disciplines <b>2018</b> ,		11
47	Enhancing student engagement in an introductory programming course <b>2010</b> ,		9
46	mJeliot <b>2011</b> ,		9
45	Ad Hoc Routing Protocol Verification Through Broadcast Abstraction. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 128-142	0.9	9
44	Development of a self-efficacy scale for digital competences in schools <b>2017</b> ,		8

43	The CC2020 project [computing curricula guidelines for the 2020s <b>2018</b> ,		7
42	Students' experiences and attitudes towards learning computer science <b>2012</b> ,		7
41	Modeling global competencies for computing education <b>2018</b> ,		7
40	Why are we here? Student perspectives on the goal of STEM higher education <b>2017</b> ,		6
39	Janus <b>2005</b> ,		6
38	A Scientometric Journey Through the FIE Bookshelf: 1982-2020 <b>2021</b> ,		6
37	Searching for Global Employability. <i>ACM Transactions on Computing Education</i> , <b>2019</b> , 19, 1-29	2.1	6
36	Towards designing a routing protocol for opportunistic networks <b>2010</b> ,		5
35	Harnessing theory in the service of engineering education research <b>2012</b> ,		5
34	A computing perspective on the Bologna process. <i>SIGCSE Bulletin</i> , <b>2006</b> , 38, 115-131	0	5
33	A critical analysis of trends in student-centric engineering education and their implications for learning <b>2016</b> ,		5
32	Why are We Here? The Educational Value Model (EVM) as a Framework to Investigate the Role of Students' Professional Identity Development <b>2018</b> ,		5
31	Professional communication skills for engineering professionals <b>2013</b> ,		4
30	Unexpected student behaviour and learning opportunities: Using the theory of planned behaviour to analyse a critical incident <b>2017</b> ,		4
29	The authenticity of authentic assessment some faculty perceptions <b>2017</b> ,		4
28	mJeliot: ICT support for interactive teaching of programming <b>2011</b> ,		4
27	A robust proactive routing protocol for intermittently connected opportunistic networks <b>2010</b> ,		4
26	Conveying Conceptions of Quality through Instruction <b>2010</b> ,		4

25	Values and Objectives in Computing Education Research. <i>ACM Transactions on Computing Education</i> , <b>2009</b> , 9, 1-6	2.1	4
24	What Makes Computational Thinking so Troublesome? <b>2021</b> ,		4
23	Holistic STEAM Education Through Computational Thinking: A Perspective on Training Future Teachers. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 41-52	0.9	4
22	What is Feedback? Connecting Student Perceptions to Assessment Practices <b>2013</b> ,		3
21	Baltic and Nordic K-12 Teacher Perspectives on Computational Thinking and Computing. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 141-152	0.9	3
20	<b>2008</b> ,		3
19	Student perceptions of reflections as an aid to learning. <i>Technical Report - Department of Information Technology, Uppsala University</i> , <b>2006</b> ,		3
18	Structuring CSed research studies. <i>SIGCSE Bulletin</i> , <b>2003</b> , 35, 149-153	0	3
17	Four Feed-Forward Principles Enhance Students' Perception of Feedback as Meaningful <b>2014</b> ,		2
16	An enhanced congestion aware adaptive routing protocol for opportunistic networks <b>2011</b> ,		2
15	Implications of student conceptions of teaching for the reform of engineering education <b>2009</b> ,		2
14	What & When?: Distributing Content in Opportunistic Networks <b>2006</b> ,		2
13	Enriching online learning resources with "explanograms". <i>SIGCSE Bulletin</i> , <b>2003</b> ,	0	2
12	The relationship between CS education research and the SIGCSE community. <i>SIGCSE Bulletin</i> , <b>2004</b> , 36, 228-229	0	2
11	When is Quality Assurance a Constructive Force in Engineering Education? <b>2019</b> ,		2
10	On the role of industry contact on the motivation and professional development of engineering students <b>2019</b> ,		2
9	Multidisciplinary teaching: The emergence of an holistic STEM teacher <b>2018</b> ,		2
8	Computational Thinking [Forces Shaping Curriculum and Policy in Finland, Sweden and the Baltic Countries. <i>IFIP Advances in Information and Communication Technology</i> , <b>2022</b> , 131-143	0.5	2

7	Should we care about global intercultural collaboration?. <i>ACM Inroads</i> , <b>2010</b> , 1, 4-7	0.5	1
6	A Dynamic Load Balancing Architecture for PDES Using PVM on Clusters. <i>Lecture Notes in Computer Science</i> , <b>2001</b> , 166-173	0.9	1
5	Defining digital excellence: requisite skills and policy implications for digital transformation. <i>IEEE Access</i> , <b>2022</b> , 1-1	3.5	1
4	Computer Science Teachers Perspectives on Competencies - A Case Study in the Kingdom of Saudi Arabia. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 129-140	0.9	0
3	Scrambling for students. <i>SIGCSE Bulletin</i> , <b>2008</b> , 40, 333-334	0	
2	What is masters level education in informatics?. <i>SIGCSE Bulletin</i> , <b>2008</b> , 40, 341-341	0	
1	Barrier semantics in very weak memory. <i>Lecture Notes in Computer Science</i> , <b>1993</b> , 728-731	0.9	