

Arnold Pears

List of Publications by Year in Descending Order

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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	Computational Thinking [Forces Shaping Curriculum and Policy in Finland, Sweden and the Baltic Countries. <i>IFIP Advances in Information and Communication Technology</i> , 2022 , 131-143	0.5	2
59	Defining digital excellence: requisite skills and policy implications for digital transformation. <i>IEEE Access</i> , 2022 , 1-1	3.5	1
58	What Makes Computational Thinking so Troublesome? 2021 ,		4
57	A Scientometric Journey Through the FIE Bookshelf: 1982-2020 2021 ,		6
56	Teaching Machine Learning in K12 Classroom: Pedagogical and Technological Trajectories for Artificial Intelligence Education. <i>IEEE Access</i> , 2021 , 9, 110558-110572	3.5	15
55	Holistic STEAM Education Through Computational Thinking: A Perspective on Training Future Teachers. <i>Lecture Notes in Computer Science</i> , 2019 , 41-52	0.9	4
54	When is Quality Assurance a Constructive Force in Engineering Education? 2019 ,		2
53	On the role of industry contact on the motivation and professional development of engineering students 2019 ,		2
52	Searching for Global Employability. <i>ACM Transactions on Computing Education</i> , 2019 , 19, 1-29	2.1	6
51	The CC2020 project [Computing curricula guidelines for the 2020s 2018 ,		7
50	Computer Science Teachers Perspectives on Competencies - A Case Study in the Kingdom of Saudi Arabia. <i>Lecture Notes in Computer Science</i> , 2018 , 129-140	0.9	0
49	Why are We Here? The Educational Value Model (EVM) as a Framework to Investigate the Role of Students[Professional Identity Development 2018 ,		5
48	Multidisciplinary teaching: The emergence of an holistic STEM teacher 2018 ,		2
47	Digital Competence, Teacher Self-Efficacy and Training Needs 2018 ,		20
46	Modelling competencies for computing education beyond 2020: a research based approach to defining competencies in the computing disciplines 2018 ,		11
45	Modeling global competencies for computing education 2018 ,		7
44	Development of a self-efficacy scale for digital competences in schools 2017 ,		8

43	Why are we here? Student perspectives on the goal of STEM higher education 2017 ,	6
42	Baltic and Nordic K-12 Teacher Perspectives on Computational Thinking and Computing. <i>Lecture Notes in Computer Science</i> , 2017 , 141-152	0.9 3
41	Unexpected student behaviour and learning opportunities: Using the theory of planned behaviour to analyse a critical incident 2017 ,	4
40	The authenticity of authentic assessment some faculty perceptions 2017 ,	4
39	A critical analysis of trends in student-centric engineering education and their implications for learning 2016 ,	5
38	Second year computer science and IT students' experience of participation in the discipline 2015 ,	12
37	Four Feed-Forward Principles Enhance Students' Perception of Feedback as Meaningful 2014 ,	2
36	First Year Computer Science and IT Students' Experience of Participation in the Discipline 2014 ,	15
35	Professional communication skills for engineering professionals 2013 ,	4
34	Engagement in Computer Science and IT -- What! A Matter of Identity? 2013 ,	13
33	What is Feedback? Connecting Student Perceptions to Assessment Practices 2013 ,	3
32	Students' experiences and attitudes towards learning computer science 2012 ,	7
31	Harnessing theory in the service of engineering education research 2012 ,	5
30	mJeliot: ICT support for interactive teaching of programming 2011 ,	4
29	An enhanced congestion aware adaptive routing protocol for opportunistic networks 2011 ,	2
28	mJeliot 2011 ,	9
27	Towards designing a routing protocol for opportunistic networks 2010 ,	5
26	A robust proactive routing protocol for intermittently connected opportunistic networks 2010 ,	4

25	Conveying Conceptions of Quality through Instruction 2010 ,		4
24	Enhancing student engagement in an introductory programming course 2010 ,		9
23	Developing global teamwork skills: The Runestone project 2010 ,		11
22	Should we care about global intercultural collaboration?. <i>ACM Inroads</i> , 2010 , 1, 4-7	0.5	1
21	Implications of student conceptions of teaching for the reform of engineering education 2009 ,		2
20	Values and Objectives in Computing Education Research. <i>ACM Transactions on Computing Education</i> , 2009 , 9, 1-6	2.1	4
19	Learning computer science: perceptions, actions and roles. <i>European Journal of Engineering Education</i> , 2009 , 34, 327-338	1.5	11
18	2008 ,		3
17	Scrambling for students. <i>SIGCSE Bulletin</i> , 2008 , 40, 333-334	0	
16	What is masters level education in informatics?. <i>SIGCSE Bulletin</i> , 2008 , 40, 341-341	0	
15	A survey of literature on the teaching of introductory programming. <i>SIGCSE Bulletin</i> , 2007 ,	0	73
14	A survey of literature on the teaching of introductory programming. <i>SIGCSE Bulletin</i> , 2007 , 39, 204-223	0	228
13	Student perceptions of reflections as an aid to learning. <i>Technical Report - Department of Information Technology, Uppsala University</i> , 2006 ,		3
12	What & When?: Distributing Content in Opportunistic Networks 2006 ,		2
11	A computing perspective on the Bologna process. <i>SIGCSE Bulletin</i> , 2006 , 38, 115-131	0	5
10	Constructing a core literature for computing education research. <i>SIGCSE Bulletin</i> , 2005 , 37, 152-161	0	62
9	Janus 2005 ,		6
8	Ad Hoc Routing Protocol Verification Through Broadcast Abstraction. <i>Lecture Notes in Computer Science</i> , 2005 , 128-142	0.9	9

7	Automatized Verification of Ad Hoc Routing Protocols. <i>Lecture Notes in Computer Science</i> , 2004 , 343-358	0.9	26
6	The relationship between CS education research and the SIGCSE community. <i>SIGCSE Bulletin</i> , 2004 , 36, 228-229	0	2
5	Enriching online learning resources with "explanograms". <i>SIGCSE Bulletin</i> , 2003 ,	0	2
4	Structuring CSed research studies. <i>SIGCSE Bulletin</i> , 2003 , 35, 149-153	0	3
3	A Dynamic Load Balancing Architecture for PDES Using PVM on Clusters. <i>Lecture Notes in Computer Science</i> , 2001 , 166-173	0.9	1
2	Barrier semantics in very weak memory. <i>Lecture Notes in Computer Science</i> , 1993 , 728-731	0.9	
1	Students' understanding of computer networks in an internationally distributed course		32