Pericles Loucopoulos

List of Publications by Year
in descending order

76	1,210	430843 18	434170 31
papers	citations	h-index	g-index

78	78	78	646
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bridging the Strategy Execution Gap of Designing Intelligent Talent Acquisition Systems Using Enterprise Modelling and Simulation. Enterprise Information Systems, 2023, 17, .	4.7	4
2	Requirements Engineering for Cyber Physical Production Systems: The e-CORE approach and its application. Information Systems, 2022, 104, 101677.	3.6	5
3	Intelligent Parking Management by Means of Capability Oriented Requirements Engineering. Lecture Notes in Computer Science, 2019, , 158-172.	1.3	1
4	Requirements Engineering for Cyber Physical Production Systems. Lecture Notes in Computer Science, 2019, , 276-291.	1.3	19
5	Î‘ capability-oriented modelling and simulation approach for autonomous vehicle management. Simulation Modelling Practice and Theory, 2019, 91, 28-47.	3.8	14
6	Specification of a Software Architecture for an Industry 4.0 Environment. , 2018, , .		3
7	The Case of Industrial Symbiosis. , 2018, , 283-310.		0
8	Six Sigma DMAIC Enhanced with Capability Modelling. , 2017, , .		14
9	Enabling Smart Objects in Cities Towards Urban Sustainable Mobility-as-a-Service: A Capability â€“ Driven Modeling Approach. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 342-352.	0.3	3
10	Selected Topics on Business Informatics: Editorial Introduction to Issue 13 of CSIMQ. Complex Systems Informatics and Modeling Quarterly, 2017, , I-II.	0.9	0
11	Capability Modeling as a Strategic Analysis Tool: Keynote Extended Abstract. , 2016, , .		4
12	Conceptual modeling for the design of intelligent and emergent information systems. Expert Systems With Applications, 2016, 59, 174-194.	7.6	31
13	Modeling Organizational Capabilities on a Strategic Level. Lecture Notes in Business Information Processing, 2016, , 257-271.	1.0	0
14	Migrating eGovernment Services in the Cloud. , 2016, , .		2
15	Capability Oriented Enterprise Knowledge Modeling: The CODEK Approach. , 2016, , 197-215.		21
16	Extending Capabilities with Context Awareness. Lecture Notes in Business Information Processing, 2016, , 40-51.	1.0	5
17	Regulatory requirements compliance in e-Government service development. , 2015, , .		2
18	Enterprise Capability Modeling: Concepts, Method, and Application. , 2015, , .		17

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19	Capability Driven Development: An Approach to Designing Digital Enterprises. Business and Information Systems Engineering, 2015, 57, 15-25.	6.1	102
20	What Could the Role of Enterprise Modelling be During the 5th Economic Phase?. Lecture Notes in Business Information Processing, 2015, , 3-7.	1.0	0
21	Dynamic Capabilities for Sustainable Enterprise IT â€“ A Modeling Framework. Lecture Notes in Computer Science, 2015, , 358-366.	1.3	14
22	Classification and Qualitative Analysis of Non-Functional Requirements Approaches. Lecture Notes in Business Information Processing, 2014, , 348-362.	1.0	16
23	Quality evaluation framework (QEF): Modeling and evaluating quality of business processes. International Journal of Accounting Information Systems, 2014, 15, 193-223.	5.0	31
24	Hybrid Enterprise Modelling: Integrating Modelling Mechanisms for Socio-Technical Systems Analysis and Design. Journal of Software Engineering and Applications, 2014, 07, 6-13.	1.1	4
25	Business Rules, Constraints and Simulation for Enterprise Governance. Lecture Notes in Business Information Processing, 2014, , 96-112.	1.0	1
26	A Meta-Meta-Model for Seven Business Process Modeling Languages. , 2013, , .		20
27	QRA: A Quality Requirements Analysis Approach for Service Systems. , 2013, , .		2
28	Eliciting and prioritizing quality requirements supported by ontologies: a case study using the <scp>E</scp>licit<scp>O</scp> framework and tool. Expert Systems, 2013, 30, 129-151.	4.5	19
29	Requirements Engineering for Emergent Application Software. Lecture Notes in Business Information Processing, 2013, , 18-28.	1.0	2
30	Representing and Elaborating Quality Requirements: The QRA Approach. Lecture Notes in Computer Science, 2013, , 446-453.	1.3	4
31	A Quality-Oriented Business Process Meta-Model. Lecture Notes in Business Information Processing, 2011, , 85-99.	1.0	9
32	The brave new world of design requirements. Information Systems, 2011, 36, 992-1008.	3.6	99
33	Considering quality factors for business processes during requirement engineering. , 2011, , .		5
34	The Brave New World of Design Requirements: Four Key Principles. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2010, , 470-482.	0.3	13
35	The Intertwining of Enterprise Strategy and Requirements. Lecture Notes in Business Information Processing, 2009, , 352-373.	1.0	5
36	Requirements elaboration for system co-development. Ingenierie Des Systemes D'Information, 2009, 14, 77-98.	0.7	1

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37	Section 4: Requirements Intertwining. Lecture Notes in Business Information Processing, 2009, , 302-304.	1.0	0
38	BROOD. Journal of Database Management, 2008, 19, 41-73.	1.5	25
39	Experiences with Modelling Early Requirements. , 2008, , 186-206.		3
40	ElicitO: A Quality Ontology-Guided NFR Elicitation Tool. , 2007, , 306-319.		26
41	Experiences with goal-oriented modeling of organizational change. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2006, 36, 221-235.	2.9	27
42	PLATO Helps Athens Win Gold: Olympic Games Knowledge Modeling for Organizational Change and Resource Management. Interfaces, 2006, 36, 26-42.	1.5	29
43	Incorporating privacy requirements into the system design process. Internet Research, 2006, 16, 140-158.	4.9	15
44	Requirements engineering. , 2005, , 116-139.		4
45	A roadmap for the elicitation of business rules in information systems projects. Business Process Management Journal, 2005, 11, 316-348.	4.2	13
46	Relating evolving business rules to software design. Journal of Systems Architecture, 2004, 50, 367-382.	4.3	71
47	Expressing and organising business rules. Information and Software Technology, 2004, 46, 701-718.	4.4	51
48	Towards a systematic approach to the capture of patterns within a business domain. Journal of Systems and Software, 2003, 67, 1-18.	4.5	21
49	A Unifying Framework for Representing Structural and Operational Aspects of Electricity Sector Deregulation. Requirements Engineering, 2000, 5, 23-37.	3.1	2
50	A generic model for reflective design. ACM Transactions on Software Engineering and Methodology, 2000, 9, 199-237.	6.0	33
51	Goal-driven business process analysis application in electricity deregulation. Information Systems, 1999, 24, 187-207.	3.6	77
52	Developing Patterns as a Mechanism for Assisting the Management of Knowledge in the Context of Conducting Organisational Change. Lecture Notes in Computer Science, 1999, , 110-122.	1.3	10
53	Enterprise Knowledge Management and Conceptual Modelling. Lecture Notes in Computer Science, 1999, , 123-143.	1.3	34
54	Aligning legacy information systems to business processes. Lecture Notes in Computer Science, 1998, , 25-39.	1.3	18

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55	Visualization of conceptual specifications. Information Systems, 1994, 19, 291-309.	3.6	12
56	A rule-based approach for the design and implementation of information systems. Lecture Notes in Computer Science, 1994, , 159-172.	1.3	6
57	Development and evaluation of an application in a deductive environment. , 1993, , .		1
58	The time dimension in conceptual modelling. Information Systems, 1991, 16, 273-300.	3.6	27
59	A conceptual modelling formalism for temporal database applications. Information Systems, 1991, 16, 401-416.	3.6	55
60	Integrating database technology, rule-based systems and temporal reasoning for effective information systems: the TEMPORA paradigm. Information Systems Journal, 1991, 1, 129-152.	6.9	24
61	Rule-based behaviour modelling: specification and validation of information systems dynamics. Information and Software Technology, 1991, 33, 425-432.	4.4	9
62	Concept acquisition and analysis for requirements specification. Software Engineering Journal, 1990, 5, 116.	0.7	14
63	Knowledge-based support for requirements engineering. Information and Software Technology, 1989, 31, 123-135.	4.4	19
64	Modelling and validating office information systems: an object and logic oriented approach. Software Engineering Journal, 1989, 4, 87.	0.7	7
65	Improving information system development and evolution using a rule-based paradigm. Software Engineering Journal, 1989, 4, 259.	0.7	13
66	Information systems: a knowledge-based perspective. Knowledge-Based Systems, 1988, 1, 195-196.	7.1	0
67	Knowledge-based approach to requirements engineering using method and domain knowledge. Knowledge-Based Systems, 1988, 1, 179-187.	7.1	16
68	Verification of conceptual schemata based on hybrid object-oriented and logic paradigm. Information and Software Technology, 1988, 30, 587-594.	4.4	2
69	Information systems development: a rule-based approach. Knowledge-Based Systems, 1988, 1, 227-234.	7.1	40
70	Towards a unified view of system development methods. International Journal of Information Management, 1987, 7, 205-218.	17.5	7
71	Goal-based conflict management in scenario analysis. , 0, , .		1
72	A framework of patterns for the banking sector. , 0, , .		1

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73	Combining strategy and deliberation in the requirements engineering process. , 0, , .		0
74	Requirements elicitation for the design of venue operations for the Athens 2004 Olympic games. , 0, , .		4
75	Engaging Stakeholders in Defining Early Requirements. , 0, , 37-42.		1
76	BROOD. , 0, , 108-140.		0