Carlos Canal

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6224708/publications.pdf

Version: 2024-02-01

79	1,478	516215 16	344852 36
papers	citations	h-index	g-index

95	95	95	721
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SOWCompact: A federated process mining method for social workflows. Information Sciences, 2022, 595, 18-37.	4.0	5
2	Interconnecting IoT Devices to Improve the QoL of Elderly People. , 2022, , 999-1013.		0
3	Modelling digital avatars: A tuple space approach. Science of Computer Programming, 2021, 203, 102583.	1.5	4
4	Human microservices: A framework for turning humans into service providers. Software - Practice and Experience, 2021, 51, 1910-1935.	2.5	11
5	Using Bluetooth Low Energy Advertisements for the Detection of People Temporal Proximity Patterns. Mobile Information Systems, 2020, 2020, 1-17.	0.4	4
6	Early Evaluation of Mobile Applicationsâ€™ Resource Consumption and Operating Costs. IEEE Access, 2020, 8, 146648-146665.	2.6	5
7	Digital Avatars: Promoting Independent Living for Older Adults. Wireless Communications and Mobile Computing, 2020, 2020, 1-11.	0.8	5
8	Allowing IoT Devices Collaboration to Help Elderly in Their Daily Lives. Communications in Computer and Information Science, 2020, , 111-122.	0.4	7
9	Digital Avatars for Older Peopleâ€™s Care. Communications in Computer and Information Science, 2020, , 59-70.	0.4	2
10	A Programming Framework for People as a Service. Lecture Notes in Computer Science, 2020, , 308-312.	1.0	0
11	Interconnecting IoT Devices to Improve the QoL of Elderly People. Advances in Medical Technologies and Clinical Practice Book Series, 2020, , 148-165.	0.3	0
12	Providing Support to IoT Devices Deployed in Disconnected Rural Environment. Communications in Computer and Information Science, 2020, , 140-150.	0.4	0
13	A Formal Programming Framework for Digital Avatars. Lecture Notes in Computer Science, 2020, , 236-251.	1.0	0
14	Complex Event Processing for Health Monitoring. Communications in Computer and Information Science, 2019, , 3-14.	0.4	1
15	Dynamically Programmable Virtual Profiles as a Service. , 2019, , .		1
16	One Step Towards Dynamically Programmable Things: an Implementation Using Beacons. , 2019, , .		2
17	Interconnecting IoT Devices to Improve the QoL of Elderly People. Communications in Computer and Information Science, 2019, , 83-93.	0.4	0
18	Enabling the Interconnection of Smart Devices Through Semantic Web Techniques. Lecture Notes in Computer Science, 2019, , 534-537.	1.0	6

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19	Towards Distributed and Context-Aware Human-Centric Cyber-Physical Systems. Communications in Computer and Information Science, 2018, , 59-73.	0.4	3
20	Towards Multi-Device Context Aware Systems for Elders Well-being. , 2018, , .		2
21	Seamless Interactions on the Internet of Things. A Spotify-Based Proof of Concept. Lecture Notes in Computer Science, 2018, , 124-136.	1.0	0
22	Towards Dynamically Programmable Devices Using Beacons. Lecture Notes in Computer Science, 2018, , 49-58.	1.0	4
23	Early analysis of resource consumption patterns in mobile applications. Pervasive and Mobile Computing, 2017, 35, 32-50.	2.1	30
24	Rich contextual information for monitoring the elderly in an early stage of cognitive impairment. Pervasive and Mobile Computing, 2017, 34, 106-125.	2.1	30
25	Situational context in the programmable world. , 2017, , .		1
26	A People-Oriented Paradigm for Smart Cities. Lecture Notes in Computer Science, 2017, , 584-591.	1.0	4
27	Liquid Context: Migrating the Usersâ€™ Context Across Devices. Lecture Notes in Computer Science, 2016, , 128-141.	1.0	1
28	Situational-Context: A Unified View of Everything Involved at a Particular Situation. Lecture Notes in Computer Science, 2016, , 476-483.	1.0	22
29	Stability-Based Adaptation of Asynchronously Communicating Software. Lecture Notes in Computer Science, 2016, , 321-336.	1.0	2
30	Smartphones as Personal Profile Providers: Enhancing Mobile App Architectures. , 2015, , .		2
31	From the Internet of Things to the Internet of People. IEEE Internet Computing, 2015, 19, 40-47.	3.2	186
32	Model-Based Adaptation of Software Communicating via FIFO Buffers. Lecture Notes in Computer Science, 2015, , 252-266.	1.0	1
33	People as a Service: A Mobile-centric Model for Providing Collective Sociological Profiles. IEEE Software, 2014, 31, 48-53.	2.1	72
34	Assisting Cloud Service Migration Using Software Adaptation Techniques. , 2013, , .		5
35	Developing migratable multicloud applications based on MDE and adaptation techniques. , 2013, , .		12
36	A service-oriented framework for developing cross cloud migratable software. Journal of Systems and Software, 2013, 86, 2294-2308.	3.3	26

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37	Identifying adaptation needs to avoid the vendor lock-in effect in the deployment of cloud SBAs. , 2012, , .		6
38	Structural reconfiguration of systems under behavioral adaptation. Science of Computer Programming, 2012, 78, 46-64.	1.5	10
39	Enough about standardization, let's build cloud applications. , 2012, , .		7
40	Interactive specification and verification of behavioral adaptation contracts. Information and Software Technology, 2012, 54, 701-723.	3.0	8
41	A Formal Framework for Structural Reconfiguration of Components under Behavioural Adaptation. Electronic Notes in Theoretical Computer Science, 2010, 263, 95-110.	0.9	15
42	Semi-Automatic Specification of Behavioural Service Adaptation Contracts. Electronic Notes in Theoretical Computer Science, 2010, 264, 19-34.	0.9	9
43	A Case Study in Model-Based Adaptation of Web Services. Lecture Notes in Computer Science, 2010, , 112-126.	1.0	0
44	Context-Aware Service Discovery and Adaptation Based on Semantic Matchmaking. , 2010, , .		5
45	A Framework for Run-Time Behavioural Service Adaptation in Ubiquitous Computing. Lecture Notes in Computer Science, 2010, , 67-76.	1.0	0
46	A formal model and composition language for context-aware service protocols. , 2009, , .		3
47	Interactive Specification and Verification of Behavioural Adaptation Contracts. , 2009, , .		7
48	Behavioural self-adaptation of services in ubiquitous computing environments. , 2009, , .		8
49	ITACA: An integrated toolbox for the automatic composition and adaptation of Web services. , 2009, , .		30
50	A Model-Based Approach to the Verification and Adaptation of WF/.NET Components. Electronic Notes in Theoretical Computer Science, 2008, 215, 39-55.	0.9	21
51	Multiple Concern Adaptation for Run-time Composition in Context-Aware Systems. Electronic Notes in Theoretical Computer Science, 2008, 215, 111-130.	0.9	2
52	Model-Based Adaptation of Behavioral Mismatching Components. IEEE Transactions on Software Engineering, 2008, 34, 546-563.	4.3	106
53	Towards a Model-Based Approach for Context-Aware Composition and Adaptation: A Case Study using WF/.NET. , 2008, , .		4
54	Clint: A Composition Language Interpreter (Tool Paper). , 2008, , 423-427.		2

#	Article	IF	Citations
55	Enabling Adaptivity in User Interfaces. Lecture Notes in Computer Science, 2007, , 106-114.	1.0	3
56	Run-time Composition and Adaptation of Mismatching Behavioural Transactions. , 2007, , .		4
57	TITAN: a Framework for Aspect Oriented System Evolution. , 2007, , .		5
58	Behavioural Types for Service Integration: Achievements and Challenges. Electronic Notes in Theoretical Computer Science, 2007, 180, 41-54.	0.9	6
59	An Aspect-Oriented Adaptation Framework for Dynamic Component Evolution. Electronic Notes in Theoretical Computer Science, 2007, 189, 21-34.	0.9	12
60	Dynamic Contextual Adaptation. Electronic Notes in Theoretical Computer Science, 2007, 175, 81-95.	0.9	10
61	Context-Based Adaptation of Component Behavioural Interfaces. , 2007, , 305-323.		13
62	Formalizing WSBPEL Business Processes Using Process Algebra. Electronic Notes in Theoretical Computer Science, 2006, 154, 159-173.	0.9	34
63	Component adaptation through flexible subservicing. Science of Computer Programming, 2006, 63, 39-56.	1.5	15
64	On the semantics of software adaptation. Science of Computer Programming, 2006, 61, 136-151.	1.5	14
65	Synchronizing Behavioural Mismatch in Software Composition. Lecture Notes in Computer Science, 2006, , 63-77.	1.0	24
66	Software Adaptation. L Objet, 2006, 12, 9-31.	0.2	24
67	Coordination and Adaptation Techniques: Bridging the Gap Between Design and Implementation. , 2006, , 72-86.		3
68	A formal approach to component adaptation. Journal of Systems and Software, 2005, 74, 45-54.	3.3	203
69	Coordination and Adaptation Techniques for Software Entities. Lecture Notes in Computer Science, 2005, , 133-147.	1.0	11
70	Formalizing Web Service Choreographies. Electronic Notes in Theoretical Computer Science, 2004, 105, 73-94.	0.9	166
71	On the specification of software adaptation. Electronic Notes in Theoretical Computer Science, 2004, 97, 47-65.	0.9	3
72	Measuring Component Adaptation. Lecture Notes in Computer Science, 2004, , 71-86.	1.0	3

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73	Soft component adaptation1 1This work has been partly supported by the project NAPOLI funded by the Italian Ministry of Instruction, University and Research (MIUR), and the projects TIC2002-4309-C02-02 and TIC2001-2705-C03-02 funded by the Spanish Ministry of Science and Technology (MCYT). Electronic Notes in Theoretical Computer Science, 2003, 85, 1-16.	0.9	4
74	Adding roles to CORBA objects. IEEE Transactions on Software Engineering, 2003, 29, 242-260.	4.3	41
75	Systematic component adaptation. Electronic Notes in Theoretical Computer Science, 2002, 66, 97-113.	0.9	10
76	Adapting Components with Mismatching Behaviours. Lecture Notes in Computer Science, 2002, , 185-199.	1.0	5
77	Compatibility and inheritance in software architectures. Science of Computer Programming, 2001, 41, 105-138.	1.5	81
78	Extending CORBA Interfaces with Protocols. Computer Journal, 2001, 44, 448-462.	1.5	28
79	Handling Data-Based Concurrency in Context-Aware Service Protocols. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 30, 62-77.	0.8	5