Giacomo Cabri

List of Publications by Year
in descending order

138 papers	1,469 citations	686830 13 h-index	500791 28 g-index
141 all docs	141 docs citations	141 times ranked	693 citing authors

#	Article	IF	Citations
1	Coordination of Autonomous Vehicles. ACM Computing Surveys, 2022, 54, 1-33.	16.1	37
2	Does the venue of scientific conferences leverage their impact? A large scale study on Computer Science conferences. Library Hi Tech, 2022, ahead-of-print, .	3.7	6
3	An Algorithm to Predict E-Bike Power Consumption Based on Planned Routes. Electronics (Switzerland), 2022, 11, 1105.	1.8	9
4	Flexibility out of standardization. International Journal of Organization Theory and Behavior, 2022, 25, 22-38.	0.5	4
5	About auction strategies for intersection management when human-driven and autonomous vehicles coexist. Multimedia Tools and Applications, 2021, 80, 15921-15936.	2.6	12
6	The Future of Factories: Different Trends. Applied Sciences (Switzerland), 2021, 11, 9980.	1.3	12
7	Autonomous, context-aware, adaptive Digital Twinsâ€"State of the art and roadmap. Computers in Industry, 2021, 133, 103508.	5.7	60
8	Identification of Social Aspects by Means of Inertial Sensor Data. Information (Switzerland), 2020, 11, 534.	1.7	3
9	Managing Human-driven and Autonomous Vehicles at Smart Intersections. , 2020, , .		8
10	A User-Aware and Semantic Approach for Enterprise Search. , 2020, , 302-321.		0
11	An Architecture for Predictive Maintenance of Railway Points BasedÂonÂBig Data Analytics. Lecture Notes in Business Information Processing, 2020, , 29-40.	0.8	5
12	Auction-based Crossings Management. , 2019, , .		11
13	Dynamic digital factories for agile supply chains: An architectural approach. Journal of Industrial Information Integration, 2019, 15, 111-121.	4.3	37
14	User-Aware Comfort in Retail Environments. Lecture Notes in Computer Science, 2019, , 14-25.	1.0	0
15	Context-Aware Systems and Applications (ICCASA 2016, 2017) and Nature of Computation and Communication (ICTCC 2016, 2017). Mobile Networks and Applications, 2018, 23, 1-3.	2.2	19
16	A User-Aware and Semantic Approach for Enterprise Search. International Journal on Semantic Web and Information Systems, 2018, 14, 129-146.	2.2	0
17	Adaptive Coordination in Autonomous Driving: Motivations and Perspectives. , 2017, , .		13
18	Adaptive Computing (and Agents) for Enhanced Collaboration. , 2017, , .		0

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19	Enabling Autonomic Computing Support for the JADE Agent Platform. Scalable Computing, 2017, 18, .	0.7	1
20	SASO 2016. ACM Transactions on Autonomous and Adaptive Systems, 2017, 12, 1-3.	0.4	5
21	A Neural Network Approach to Find The Cumulative Failure Distribution: Modeling and Experimental Evidence. Quality and Reliability Engineering International, 2016, 32, 567-579.	1.4	8
22	An evaluation method for Self-Adaptive systems. , 2016, , .		5
23	Evolutionary strategies for novelty-based online neuroevolution in swarm robotics. , 2016, , .		6
24	ACE-JADE: Autonomic Computing Enabled JADE. , 2016, , .		1
25	Towards an Integrated Platform for Adaptive Socio-technical Systems for Smart Spaces. , 2016, , .		1
26	14th Adaptive Computing (and Agents) for Enhanced Collaboration: Adaptive Approaches for Socio-technical Systems. , 2016, , .		0
27	Designing a Collaborative Middleware for Semantic and User-Aware Service Composition. , 2016, , .		0
28	Artificial Immunology for Collective Adaptive Systems Design and Implementation. ACM Transactions on Autonomous and Adaptive Systems, 2016, 11, 1-25.	0.4	5
29	An adaptive agent-based system for deregulated smart grids. Service Oriented Computing and Applications, 2016, 10, 185-205.	1.3	3
30	AMBIT-SE: Towards a User-aware Semantic Enterprise Search Engine. , 2016, , .		2
31	A Self-healing Architecture based on RAINBOW for Industrial Usage. Scalable Computing, 2016, 17, .	0.7	2
32	Contextâ€awareness in the deregulated electric energy market: anâ€‰agentâ€based approach. Concurrency Computation Practice and Experience, 2015, 27, 1513-1524.	1.4	1
33	The Influence of the Picking Times of the Components in Time and Space Assembly Line Balancing Problems: An Approach with Evolutionary Algorithms. , 2015, , .		1
34	Building Self-adaptive Systems by Adaptation Patterns Integrated into Agent Methodologies. Lecture Notes in Computer Science, 2015, , 58-75.	1.0	2
35	ACEC 2015 Track Report: Adaptive computing (and agents) for enhanced collaboration. , 2015, , .		1
36	Integrating Adaptation Patterns into Agent Methodologies to Build Self-adaptive Systems. , 2015, , .		2

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37	Introduction to the Special Issue on Enabling Technologies for Collaborations. Scalable Computing, 2015, 15, .	0.7	0
38	AMBIT: Towards an Architecture for the Development of Context-dependent Applications and Systems. , 2015, , .		1
39	Introduction to the Special Issue on Collective Adaptive Systems. Scalable Computing, 2015, 16, .	0.7	0
40	Enabling Self-Expression: The Use of Roles to Dynamically Change Adaptation Patterns. , 2014, , .		5
41	2nd FOCAS Workshop on Fundamentals of Collective Adaptive Systems. , 2014, , .		1
42	Implementing agent roles in Java. , 2014, , .		0
43	Artificial Immune System Driven Evolution in Swarm Chemistry. , 2014, , .		4
44	An agent-based approach to simulate production, degradation, repair, replacement and preventive maintenance of manufacturing systems. , 2014, , .		3
45	Artificial immune systems in the context of autonomic computing. , 2014, , .		2
46	Modeling Self-Expression by holons. , 2014, , .		1
47	Self-expression and Dynamic Attribute-Based Ensembles in SCEL. Lecture Notes in Computer Science, 2014, , 147-163.	1.0	10
48	A taxonomy of architectural patterns for self-adaptive systems. , 2013, , .		26
49	An agent-based approach for transportation scheduling in developing countries. , 2013, , .		0
50	Designing Self-Aware Adaptive Systems: From Autonomic Computing to Cognitive Immune Networks. , 2013, , .		6
51	Runtime Change of Collaboration Patterns in Autonomic Systems: Motivations and Perspectives. , 2013, , .		6
52	Collaboration in swarm robotics: A visual communication approach. , 2013, , .		2
53	Is Self-Expression Useful? Evaluation by a Case Study. , 2013, , .		6
54	Preface to the special section on agent-oriented design methods and programming techniques for distributed computing in dynamic and complex environments. Science of Computer Programming, 2013, 78, 682-683.	1.5	0

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55	Applying Multi-armed Bandit Strategies to Change of Collaboration Patterns at Runtime. , 2013, , .		2
56	3rd AWARE Workshop on Challenges for Achieving Self-Awareness in Autonomic Systems. , 2013, , .		0
57	Managing Deregulated Energy Markets: An Adaptive and Autonomous Multi-agent System Application. , 2013, , .		1
58	ACEC Track Report. , 2013, , .		0
59	Adaptive Patterns for Intelligent Distributed Systems: A Swarm Robotics Case Study. Studies in Computational Intelligence, 2013, , 241-246.	0.7	2
60	Conceptual Map and Classification in Ensembles of Autonomic Components: from Awareness to Organization. , 2012, , .		1
61	A Tripartite Analytic Framework for Characterising Awareness and Self-Awareness in Autonomic Systems Research. , 2012, , .		13
62	A Context-Aware Agent-Based Approach for Deregulated Energy Market. , 2012, , .		4
63	Adaptive game-based agent negotiation in deregulated energy markets. , 2012, , .		13
64	ACEC Track Report: Adaptive Computing and Agent Approaches for Enhanced Collaboration. , 2012, , .		0
65	Coordination and Task Division in Robot Ensembles: Perimeter Sweep Case Study. , 2012, , .		2
66	A method fragments approach to methodologies for engineering self-organizing systems. ACM Transactions on Autonomous and Adaptive Systems, 2012, 7, 1-25.	0.4	12
67	An Agent-Based Application to Enable Deregulated Energy Markets. , 2012, , .		8
68	Evaluation of Structured Collaborative Tagging for Web Service Matchmaking. , 2012, , 173-189.		4
69	Agent Roles for Context-Aware P2P Systems. Lecture Notes in Computer Science, 2012, , 104-114.	1.0	6
70	Towards a taxonomy of adaptive agent-based collaboration patterns for autonomic service ensembles. , 2011, , .		42
71	Designing and Implementing Intelligent Agents for e-Health. , 2011, , .		3
72	On Self-Adaptation, Self-Expression, and Self-Awareness in Autonomic Service Component Ensembles. , 2011, , .		51

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73	Structured Collaborative Tagging: Is It Practical for Web Service Discovery?. Lecture Notes in Business Information Processing, 2011, , 69-84.	0.8	2
74	Comparing Service-Oriented Computing and Agent-Oriented Programming towards integration. Web Intelligence and Agent Systems, 2011, 9, 135-146.	0.4	2
75	Ubimedic2: An Agent-Based Approach in Territorial Emergency Management. , 2011, , .		5
76	Managing Territorial Emergencies with Ubimedic2. , 2011, , .		0
77	Principles and Practice of Programming in Java 2008â€"Special issue. Science of Computer Programming, 2011, 76, 969.	1.5	0
78	Workshop Preface. , 2011, , .		0
79	Smart meter aware domestic energy trading agents. , 2011, , .		22
80	Agent-Based Computing for Enterprise Collaboration: Agents and Services Interoperability Track Report - ACEC 2011. , 2011, , .		0
81	Implementing Agent Interoperability between Language-Heterogeneous Platforms. , 2011, , .		2
82	Coordination Issues in an Agent-Based Approach for Territorial Emergence Management. , 2011, , .		6
83	Role-based software agent interaction models: a survey. Knowledge Engineering Review, 2010, 25, 397-419.	2.1	20
84	A roadmap towards sustainable self-aware service systems. , 2010, , .		14
85	Building an agent methodology from fragments. , 2010, , .		2
86	Trade-off between Complexity of Structured Tagging and Effectiveness of Web Service Retrieval. Lecture Notes in Computer Science, 2010, , 289-300.	1.0	1
87	Methodologies for Self-Organising Systems: A SPEM Approach. , 2009, , .		12
88	Experiences in Applying Situational Method Engineering in AOSE. , 2009, , .		1
89	An Agent-Based Architecture for Services Management. , 2009, , .		2
90	Building computational institutions for agents with RoleX. Artificial Intelligence and Law, 2008, 16, 129-145.	3.0	2

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91	Mobile JikesRVM: A framework to support transparent Java thread migration. Science of Computer Programming, 2008, 70, 221-240.	1.5	11
92	Agent-Based Computing for Enterprise Collaboration Synergies of Agents and Services. , 2008, , .		0
93	Connecting Methodologies and Infrastructures in the Development of Agent Systems. , 2008, , .		5
94	Tackling Complexity of Distributed Systems: Towards an Integration of Service-Oriented Computing and Agent-Oriented Programming. , 2008, , .		2
95	The PIM. , 2008, , .		6
96	Methodologies for Designing Agent Societies. , 2008, , .		2
97	Agent roles: From methodologies to infrastructures. , 2008, , .		2
98	The LAICA Project: An ad-hoc middleware to support Ambient Intelligence. Multiagent and Grid Systems, 2008, 4, 235-247.	0.5	5
99	Environment-Supported Roles to Develop Complex Systems. Lecture Notes in Computer Science, 2008, , 284-295.	1.0	1
100	Agent-based Computing for Enterprise Collaboration Agent Interoperability for Workflow and Services [Workshop Final Report]. , 2007, , .		0
101	The Service Ecosystem: Dynamic Self-Aggregation of Pervasive Communication Services. , 2007, , .		16
102	Service-Oriented Agent Methodologies. , 2007, , .		9
103	Agent-Based Plug-and-Play Integration of Role-Enabled Medical Devices. , 2007, , .		2
104	Supporting a Territorial Emergency Scenario with Services and Agents: A Case Study Comparison. , 2006, , .		8
105	Applying security policies through agent roles: A JAAS based approach. Science of Computer Programming, 2006, 59, 127-146.	1.5	8
106	Strong agent mobility for aglets based on the IBM JikesRVM. , 2006, , .		6
107	Enabling Java mobile computing on the IBM Jikes research virtual machine. , 2006, , .		13
108	Agent-Based Computing for Enterprise Collaboration--Agent-Oriented Workflows and Services. , 2006, , .		0

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109	Supporting the Development of Multi-agent Interactions Via Roles. Lecture Notes in Computer Science, 2006, , 154-166.	1.0	9
110	A role-based mobile-agent approach to support e-democracy. Applied Soft Computing Journal, 2005, 6, 85-99.	4.1	14
111	Exploiting runtime bytecode manipulation to add roles to Java agents. Science of Computer Programming, 2005, 54, 73-98.	1.5	4
112	Injecting roles in Java agents through runtime bytecode manipulation. IBM Systems Journal, 2005, 44, 185-208.	3.1	20
113	The RoleX Environment for Multi-agent Cooperation. Lecture Notes in Computer Science, 2004, , 257-270.	1.0	4
114	Virtual visits to cultural heritage supported by web-agents. Information and Software Technology, 2004, 46, 173-184.	3.0	11
115	Role-Based Approaches for Engineering Interactions in Large-Scale Multi-agent Systems. Lecture Notes in Computer Science, 2004, , 243-263.	1.0	14
116	Web technologies - Taking back cyberspace. Computer, 2003, 36, 89-92.	1.2	5
117	Location-dependent services for mobile users. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2003, 33, 667-681.	3.4	42
118	BRAIN: A Framework for Flexible Role-Based Interactions in Multiagent Systems. Lecture Notes in Computer Science, 2003, , 145-161.	1.0	38
119	Enabling mobile agents to dynamically assume roles. , 2003, , .		11
120	MOMIS: EXPLOITING AGENTS TO SUPPORT INFORMATION INTEGRATION. International Journal of Cooperative Information Systems, 2002, 11, 293-313.	0.6	9
121	Engineering mobile agent applications via context-dependent coordination. IEEE Transactions on Software Engineering, 2002, 28, 1039-1055.	4.3	58
122	Mobile Agent Coordination for Distributed Network Management. Journal of Network and Systems Management, 2001, 9, 435-456.	3.3	12
123	Coordination infrastructures for mobile agents. Microprocessors and Microsystems, 2001, 25, 85-92.	1.8	7
124	Xml dataspaces for the coordination of internet agents. Applied Artificial Intelligence, 2001, 15, 35-58.	2.0	12
125	Agents for information retrieval: Issues of mobility and coordination. Journal of Systems Architecture, 2000, 46, 1419-1433.	2.5	20
126	Mobile-agent coordination models for Internet applications. Computer, 2000, 33, 82-89.	1.2	171

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127	Auctio-Based Agent Negotiation via Programmable Tuple Spaces. Lecture Notes in Computer Science, 2000, , 83-94.	1.0	7
128	XML dataspaces for mobile agent coordination. , 2000, , .		32
129	MARS: a programmable coordination architecture for mobile agents. IEEE Internet Computing, 2000, 4, 26-35.	3.2	181
130	A proxy-based framework to support synchronous cooperation on the Web. Software - Practice and Experience, 1999, 29, 1241-1263.	2.5	11
131	Implementing role-based interactions for Internet agents. , 0, , .		18
132	Agent role-based collaboration and coordination: a survey about existing approaches. , 0, , .		26
133	Rethinking agent roles: extending the role definition in the BRAIN framework. , 0, , .		1
134	The LAICA Project: Supporting Ambient Intelligence via Agents and Ad-Hoc Middleware. , 0, , .		17
135	Agent-based Computing for Enterprise Collaboration - Services and Agents. , 0, , .		0
136	Collaboration-Driven Role Suggestion for Agents. , 0, , .		2
137	Idiotypic Networks for Evolutionary Controllers in Virtual Creatures. , 0, , .		1
138	Describing and Extending Classes with XMI. , 0, , 352-393.		1