

# Stefano Mariani

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

366  
citations

1162889

8  
h-index

887953

17  
g-index

62  
all docs

62  
docs citations

62  
times ranked

359  
citing authors

#	ARTICLE	IF	CITATIONS
1	Developing pervasive multi-agent systems with nature-inspired coordination. Pervasive and Mobile Computing, 2015, 17, 236-252.	2.1	75
2	An Argumentation-Based Perspective Over the Social IoT. IEEE Internet of Things Journal, 2018, 5, 2537-2547.	5.5	39
3	Coordination of Autonomous Vehicles. ACM Computing Surveys, 2022, 54, 1-33.	16.1	37
4	Evaluating Origin-Destination Matrices Obtained from CDR Data. Sensors, 2019, 19, 4470.	2.1	36
5	Coordinating Distributed Speaking Objects. , 2017, , .		14
6	Coordinating activities and change: An event-driven architecture for situated MAS. Engineering Applications of Artificial Intelligence, 2015, 41, 298-309.	4.3	12
7	Logic programming as a service. Theory and Practice of Logic Programming, 2018, 18, 846-873.	1.1	10
8	Twenty Years of Coordination Technologies: State-of-the-Art and Perspectives. Lecture Notes in Computer Science, 2018, , 51-80.	1.0	10
9	Molecules of Knowledge: Self-organisation in Knowledge-Intensive Environments. Studies in Computational Intelligence, 2013, , 17-22.	0.7	8
10	Blockchain-Based Coordination: Assessing the Expressive Power of Smart Contracts. Information (Switzerland), 2020, 11, 52.	1.7	8
11	Agents & multiagent systems: En route towards complex intelligent systems. Intelligenza Artificiale, 2013, 7, 153-164.	1.0	7
12	Towards Agent-Oriented Blockchains: Autonomous Smart Contracts. Lecture Notes in Computer Science, 2019, , 29-41.	1.0	7
13	Logic Programming as a Service (LPaaS): Intelligence for the IoT. , 2017, , .		6
14	On the &#x0022;Local-to-Global&#x0022; Issue in Self-Organisation: Chemical Reactions with Custom Kinetic Rates. , 2014, , .		5
15	Coordination of Complex Sociotechnical Systems. The Artificial Intelligence: Foundationsry, and Algorithms, 2016, , .	0.2	5
16	Transparent Protection of Aggregate Computations from Byzantine Behaviours via Blockchain. , 2018, , .		5
17	LPaaS as Micro-Intelligence: Enhancing IoT with Symbolic Reasoning. Big Data and Cognitive Computing, 2018, 2, 23.	2.9	5
18	TuSoW: Tuple Spaces for Edge Computing. , 2019, , .		5

#	ARTICLE	IF	CITATIONS
19	Complementing Agents with Cognitive Services: A Case Study in Healthcare. Journal of Medical Systems, 2020, 44, 188.	2.2	5
20	Anticipatory Coordination in Socio-Technical Knowledge-Intensive Environments: Behavioural Implicit Communication in $\{\text{MoK}\}$ . Lecture Notes in Computer Science, 2015, , 102-115.	1.0	5
21	Coordination-Aware Elasticity. , 2014, , .		4
22	From Agents to Blockchain: Stairway to Integration. Applied Sciences (Switzerland), 2020, 10, 7460.	1.3	4
23	Logic programming as a service in multi-agent systems for the Internet of Things. International Journal of Grid and Utility Computing, 2019, 10, 344.	0.1	4
24	Self-Organising News Management: the Molecules of Knowledge Approach. , 2012, , .		3
25	Special Issue "Multi-Agent Systems" Editorial. Applied Sciences (Switzerland), 2019, 9, 954.	1.3	3
26	Special Issue "Multi-Agent Systems" Editorial. Applied Sciences (Switzerland), 2020, 10, 5329.	1.3	3
27	Twenty years of coordination technologies: COORDINATION contribution to the state of art. Journal of Logical and Algebraic Methods in Programming, 2020, 113, 100531.	0.4	3
28	Coordination in Situated Systems: Engineering MAS Environment in TuCSon. Lecture Notes in Computer Science, 2014, , 99-110.	1.0	3
29	Blending Event-Based and Multi-Agent Systems Around Coordination Abstractions. Lecture Notes in Computer Science, 2015, , 186-193.	1.0	3
30	Degrees of Autonomy in Coordinating Collectives of Self-Driving Vehicles. Lecture Notes in Computer Science, 2020, , 189-204.	1.0	3
31	Probabilistic embedding. , 2013, , .		2
32	Spatial Tuples: Augmenting reality with tuples. Expert Systems, 2018, 35, e12273.	2.9	2
33	Blockchain for Trustworthy Coordination: A First Study with LINDA and Ethereum. , 2018, , .		2
34	Micro-Intelligence for the IoT: SE Challenges and Practice in LPaaS. , 2018, , .		2
35	Risk Prediction as a Service: a DSS Architecture Promoting Interoperability and Collaboration. , 2019, , .		2
36	Coordination in Socio-technical Systems: Where are we now? Where do we go next?. Science of Computer Programming, 2019, 184, 102317.	1.5	2

#	ARTICLE	IF	CITATIONS
37	Event-Driven Programming for Situated MAS with ReSpecT Tuple Centres. Lecture Notes in Computer Science, 2013, , 306-319.	1.0	2
38	Smart Contracts are More than Objects: Pro-activeness on the Blockchain. Advances in Intelligent Systems and Computing, 2020, , 45-53.	0.5	2
39	An Adaptive Approach for the Coordination of Autonomous Vehicles at Intersections. , 2021, , .		2
40	Coordination of Self-organising Systems. The Artificial Intelligence: Foundationsory, and Algorithms, 2016, , 25-75.	0.2	1
41	Programming the Interaction Space Effectively with $\text{ReSpecT} \mathbb{X}$ . Studies in Computational Intelligence, 2018, , 89-101.	0.7	1
42	Developing an ML pipeline for asthma and COPD: The case of a Dutch primary care service. International Journal of Intelligent Systems, 2021, 36, 6763-6790.	3.3	1
43	ReSpecTX: Programming interaction made easy. Computer Science and Information Systems, 2018, 15, 655-682.	0.7	1
44	Coordination of Complex Socio-Technical Systems: Challenges and Opportunities. Lecture Notes in Computer Science, 2018, , 295-310.	1.0	1
45	Augmenting BDI Agency with a Cognitive Service: Architecture and Validation in Healthcare Domain. Journal of Medical Systems, 2021, 45, 103.	2.2	1
46	Comparative Analysis of Blockchain Technologies Under a Coordination Perspective. Communications in Computer and Information Science, 2019, , 80-91.	0.4	0
47	Distributed Speaking Objects: A Case for Massive Multiagent Systems. Lecture Notes in Computer Science, 2019, , 3-20.	1.0	0
48	Probabilistic Modular Embedding for Stochastic Coordinated Systems. Lecture Notes in Computer Science, 2013, , 151-165.	1.0	0
49	Reconciling Event- and Agent-Based Paradigms in the Engineering of Complex Systems: The Role of Environment Abstractions. Lecture Notes in Computer Science, 2015, , 117-130.	1.0	0
50	$\mathcal{M} \text{ext} \{ \text{olecules}, \{ \text{o} \} \text{ext} \{ \text{f} \} \}, \mathcal{K} \text{ext} \{ \text{nowledge} \}$ : Case Studies. The Artificial Intelligence: Foundationsory, and Algorithms, 2016, , 217-229.	0.2	0
51	Coordination of Distributed Systems. The Artificial Intelligence: Foundationsory, and Algorithms, 2016, , 9-23.	0.2	0
52	Coordination of Sociotechnical Systems. The Artificial Intelligence: Foundationsory, and Algorithms, 2016, , 129-152.	0.2	0
53	$\mathcal{M} \text{ext} \{ \text{olecules}, \{ \text{o} \} \text{ext} \{ \text{f} \} \}, \mathcal{K} \text{ext} \{ \text{nowledge} \}$ : Technology. The Artificial Intelligence: Foundationsory, and Algorithms, 2016, , 181-198.	0.2	0
54	Coordination of Pervasive Systems. The Artificial Intelligence: Foundationsory, and Algorithms, 2016, , 77-127.	0.2	0

#	ARTICLE	IF	CITATIONS
55	$\mathcal{M}$ , $\mathcal{O}$ , $\mathcal{F}$ , $\mathcal{K}$ : Model. The Artificial Intelligence: Foundations, and Algorithms, 2016, , 155-179.	0.2	0
56	Argumentation-Based Coordination in IoT: A Speaking Objects Proof-of-Concept. Lecture Notes in Computer Science, 2019, , 169-180.	1.0	0