Mirko Viroli

List of Publications by Year
in descending order

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210 papers	3,822 citations	201575 27 h-index	206029 48 g-index
224 all docs	224 docs citations	224 times ranked	1308 citing authors

#	Article	IF	Citations
1	Artifacts in the A&A meta-model for multi-agent systems. Autonomous Agents and Multi-Agent Systems, 2008, 17, 432-456.	1.3	255
2	Environment programming in multi-agent systems: an artifact-based perspective. Autonomous Agents and Multi-Agent Systems, 2011, 23, 158-192.	1.3	143
3	Aggregate Programming for the Internet of Things. Computer, 2015, 48, 22-30.	1.2	138
4	Description and composition of bio-inspired design patterns: a complete overview. Natural Computing, 2013, 12, 43-67.	1.8	135
5	Modelling and simulation of Opportunistic IoT Services with Aggregate Computing. Future Generation Computer Systems, 2019, 91, 252-262.	4.9	121
6	Chemical-oriented simulation of computational systems with ALCHEMIST. Journal of Simulation, 2013, 7, 202-215.	1.0	91
7	Environment Programming in CArtAgO. , 2009, , 259-288.		83
8	CArtA gO: A Framework for Prototyping Artifact-Based Environments in MAS. , 2006, , 67-86.		81
9	Protelis. , 2015, , .		76
10	Developing pervasive multi-agent systems with nature-inspired coordination. Pervasive and Mobile Computing, 2015, 17, 236-252.	2.1	75
11	Engineering Resilient Collective Adaptive Systems by Self-Stabilisation. ACM Transactions on Modeling and Computer Simulation, 2018, 28, 1-28.	0.6	68
12	Organizing the Aggregate. , 0, , 436-501.		61
13	A development approach for collective opportunistic Edge-of-Things services. Information Sciences, 2019, 498, 154-169.	4.0	60
14	Spatial Coordination of Pervasive Services through Chemical-Inspired Tuple Spaces. ACM Transactions on Autonomous and Adaptive Systems, 2011, 6, 1-24.	0.4	57
15	A Higher-Order Calculus of Computational Fields. ACM Transactions on Computational Logic, 2019, 20, 1-55.	0.7	55
16	Variant parametric types. ACM Transactions on Programming Languages and Systems, 2006, 28, 795-847.	1.7	52
17	Self-aware Pervasive Service Ecosystems. Procedia Computer Science, 2011, 7, 197-199.	1.2	52
18	Coordination models and languages: from parallel computing to self-organisation. Knowledge Engineering Review, 2011, 26, 53-59.	2.1	52

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19	Cognitive Stigmergy: Towards a Framework Based on Agents and Artifacts. , 2006, , 124-140.		52
20	A survey on natureâ€inspired metaphors for pervasive service ecosystems. International Journal of Pervasive Computing and Communications, 2011, 7, 186-204.	1.1	50
21	Biochemical Tuple Spaces for Self-organising Coordination. Lecture Notes in Computer Science, 2009, , 143-162.	1.0	47
22	Environments in multiagent systems. Knowledge Engineering Review, 2005, 20, 127-141.	2.1	45
23	From distributed coordination to field calculus and aggregate computing. Journal of Logical and Algebraic Methods in Programming, 2019, 109, 100486.	0.4	44
24	Infrastructures for the environment of multiagent systems. Autonomous Agents and Multi-Agent Systems, 2006, 14, 49-60.	1.3	42
25	Give agents their artifacts. , 2007, , .		38
26	Building Blocks for Aggregate Programming of Self-Organising Applications. , 2014, , .		38
27	Agens Faber: Toward a Theory of Artefacts for MAS. Electronic Notes in Theoretical Computer Science, 2006, 150, 21-36.	0.9	36
28	A biochemical approach to adaptive service ecosystems. Information Sciences, 2010, 180, 1876-1892.	4.0	36
29	Partitioned integration and coordination via the self-organising coordination regions pattern. Future Generation Computer Systems, 2021, 114, 44-68.	4.9	36
30	Engineering collective intelligence at the edge with aggregate processes. Engineering Applications of Artificial Intelligence, 2021, 97, 104081.	4.3	36
31	Towards a Formal Foundation to Orchestration Languages. Electronic Notes in Theoretical Computer Science, 2004, 105, 51-71.	0.9	34
32	Efficient Engineering of Complex Self-Organising Systems by Self-Stabilising Fields. , 2015, , .		33
33	Compositional Blocks for Optimal Self-Healing Gradients. , 2017, , .		31
34	RBAC for Organisation and Security in an Agent Coordination Infrastructure. Electronic Notes in Theoretical Computer Science, 2005, 128, 65-85.	0.9	30
35	Coordination Artifacts as First-Class Abstractions for MAS Engineering: State of the Research. Lecture Notes in Computer Science, 2006, , 71-90.	1.0	30
36	A framework for modelling and implementing self-organising coordination. , 2009, , .		29

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37	Self-Adaptation to Device Distribution in the Internet of Things. ACM Transactions on Autonomous and Adaptive Systems, 2017, 12, 1-29.	0.4	29
38	A Calculus of Self-stabilising Computational Fields. Lecture Notes in Computer Science, 2014, , 163-178.	1.0	29
39	Injecting Self-Organisation into Pervasive Service Ecosystems. Mobile Networks and Applications, 2013, 18, 398-412.	2.2	28
40	A type-sound calculus of computational fields. Science of Computer Programming, 2016, 117, 17-44.	1.5	27
41	Code Mobility Meets Self-organisation: A Higher-Order Calculus of Computational Fields. Lecture Notes in Computer Science, 2015, , 113-128.	1.0	27
42	Coordination as a Service: Ontological and Formal Foundation. Electronic Notes in Theoretical Computer Science, 2003, 68, 457-482.	0.9	26
43	Designing self-organising environments with agents and artefacts: a simulation-driven approach. International Journal of Agent Oriented Software Engineering, 2008, 2, 171.	0.1	26
44	Design Patterns for Self-organising Systems. Lecture Notes in Computer Science, 2007, , 123-132.	1.0	26
45	Pulverization in Cyber-Physical Systems: Engineering the Self-Organizing Logic Separated from Deployment. Future Internet, 2020, 12, 203.	2.4	25
46	Lightweight family polymorphism. Journal of Functional Programming, 2008, 18, 285-331.	0.5	24
47	Pervasive ecosystems. , 2012, , .		24
48	Adaptive distributed monitors of spatial properties for cyberâ€“physical systems. Journal of Systems and Software, 2021, 175, 110908.	3.3	24
49	Linda in Space-Time: An Adaptive Coordination Model for Mobile Ad-Hoc Environments. Lecture Notes in Computer Science, 2012, , 212-229.	1.0	24
50	The A&A Programming Model and Technology for Developing Agent Environments in MAS. , 2007, , 89-106.		23
51	Towards attack-resistant Aggregate Computing using trust mechanisms. Science of Computer Programming, 2018, 167, 114-137.	1.5	21
52	Simulating Large-scale Aggregate MASs with Alchemist and Scala. , 0, , .		20
53	Coordinating Computation at the Edge: a Decentralized, Self-Organizing, Spatial Approach. , 2019, , .		19
54	On the Role of Simulations in Engineering Self-organising MAS: The Case of an Intrusion Detection System in TuCSoN. Lecture Notes in Computer Science, 2006, , 153-166.	1.0	19

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55	Variant path types for scalable extensibility. , 2007, , .		19
56	Operating instructions for intelligent agent coordination. Knowledge Engineering Review, 2006, 21, 49-69.	2.1	18
57	simpA: An agent-oriented approach for programming concurrent applications on top of Java. Science of Computer Programming, 2011, 76, 37-62.	1.5	18
58	Spaceâ€“time programming. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140220.	1.6	18
59	On execution platforms for large-scale aggregate computing. , 2016, , .		18
60	Optimal single-path information propagation in gradient-based algorithms. Science of Computer Programming, 2018, 166, 146-166.	1.5	18
61	Engineering a BPEL orchestration engine as a multi-agent system. Science of Computer Programming, 2007, 66, 226-245.	1.5	17
62	An algebraic approach for modelling organisation, roles and contexts in MAS. Applicable Algebra in Engineering, Communications and Computing, 2005, 16, 151-178.	0.3	16
63	Self-organising Coordination Regions: A Pattern for Edge Computing. Lecture Notes in Computer Science, 2019, , 182-199.	1.0	16
64	Space-Time Universality of Field Calculus. Lecture Notes in Computer Science, 2018, , 1-20.	1.0	16
65	Self-Adaptation to Device Distribution Changes. , 2016, , .		15
66	Improving Gossip Dynamics Through Overlapping Replicates. Lecture Notes in Computer Science, 2016, , 192-207.	1.0	15
67	From Field-Based Coordination to Aggregate Computing. Lecture Notes in Computer Science, 2018, , 252-279.	1.0	15
68	FScaFi : A Core Calculus for Collective Adaptive Systems Programming. Lecture Notes in Computer Science, 2020, , 344-360.	1.0	15
69	Type-based Self-stabilisation for Computational Fields. Logical Methods in Computer Science, 0, Volume 11, Issue 4, .	0.4	15
70	Formal Specification and Enactment of Security Policies through Agent Coordination Contexts. Electronic Notes in Theoretical Computer Science, 2003, 85, 17-36.	0.9	14
71	Simulating Emergent Properties of Coordination in Maude: the Collective Sort Case. Electronic Notes in Theoretical Computer Science, 2007, 175, 59-80.	0.9	14
72	On the collective sort problem for distributed tuple spaces. Science of Computer Programming, 2009, 74, 702-722.	1.5	14

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73	Coordination in open and dynamic environments with TuCSoN semantic tuple centres. , 2010, , .		14
74	Lightweight Family Polymorphism. Lecture Notes in Computer Science, 2005, , 161-177.	1.0	14
75	A core calculus for correlation in orchestration languages. The Journal of Logic and Algebraic Programming, 2007, 70, 74-95.	1.4	13
76	A coordination model of pervasive service ecosystems. Science of Computer Programming, 2015, 110, 3-22.	1.5	13
77	The Multidisciplinary Patterns of Interaction from Sciences to Computer Science. , 2006, , 395-414.		13
78	Programming Actor-Based Collective Adaptive Systems. Lecture Notes in Computer Science, 2018, , 94-122.	1.0	13
79	Optimal resilient distributed data collection in mobile edge environments. Computers and Electrical Engineering, 2021, 96, 107580.	3.0	13
80	Combining self-organisation, context-awareness and semantic reasoning. , 2013, , .		12
81	Environment-Based Coordination Through Coordination Artifacts. Lecture Notes in Computer Science, 2005, , 190-214.	1.0	12
82	A Self-organizing Approach to Tuple Distribution in Large-Scale Tuple-Space Systems. Lecture Notes in Computer Science, 2007, , 146-160.	1.0	12
83	Time-Fluid Field-Based Coordination through Programmable Distributed Schedulers. Logical Methods in Computer Science, 0, Volume 17, Issue 4, .	0.4	12
84	A Methodology and Simulation-Based Toolchain for Estimating Deployment Performance of Smart Collective Services at the Edge. IEEE Internet of Things Journal, 2022, 9, 20136-20148.	5.5	12
85	Chemical-inspired self-composition of competing services. , 2010, , .		11
86	Simulation in Agent-Oriented Software Engineering: The SODA case study. Science of Computer Programming, 2013, 78, 705-714.	1.5	11
87	Towards Aggregate Programming in Scala. , 2016, , .		11
88	Aggregate Processes in Field Calculus. Lecture Notes in Computer Science, 2019, , 200-217.	1.0	11
89	Parametric polymorphism in Java. ACM SIGPLAN Notices, 2000, 35, 146-165.	0.2	10
90	INFRASTRUCTURE FOR RBAC-MAS: AN APPROACH BASED ON AGENT COORDINATION CONTEXTS. Applied Artificial Intelligence, 2007, 21, 443-467.	2.0	10

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91	Environment in agent-oriented software engineering methodologies. Multiagent and Grid Systems, 2009, 5, 37-57.	0.5	10
92	Description and composition of bio-inspired design patterns. , 2011, , .		10
93	Core operational semantics of Proto. , 2011, , .		10
94	Operational semantics of proto. Science of Computer Programming, 2013, 78, 633-656.	1.5	10
95	Smart Augmented Fields for Emergency Operations. Procedia Computer Science, 2015, 63, 392-399.	1.2	10
96	Architecture and Metaphors for Eternally Adaptive Service Ecosystems. Studies in Computational Intelligence, 2008, , 23-32.	0.7	10
97	Specifying agent observable behaviour. , 2002, , .		9
98	On the Semantics of Coordination Models for Distributed Systems: The LogOp Case Study. Electronic Notes in Theoretical Computer Science, 2004, 97, 97-124.	0.9	9
99	On competitive self-composition in pervasive services. Science of Computer Programming, 2013, 78, 556-568.	1.5	9
100	Programming Mirror Worlds: An Agent-Oriented Programming Perspective. Lecture Notes in Computer Science, 2015, , 191-211.	1.0	9
101	Distributed runtime verification by past-CTL and the field calculus. Journal of Systems and Software, 2022, 187, 111251.	3.3	9
102	Digital Twins, Virtual Devices, and Augmentations for Self-Organising Cyber-Physical Collectives. Applied Sciences (Switzerland), 2022, 12, 349.	1.3	9
103	Towards Reinforcement Learning-based Aggregate Computing. Lecture Notes in Computer Science, 2022, , 72-91.	1.0	9
104	MULTI-AGENT INFRASTRUCTURES FOR OBJECTIVE AND SUBJECTIVE COORDINATION. Applied Artificial Intelligence, 2004, 18, 815-831.	2.0	8
105	Time-Aware Coordination in ReSpecT. Lecture Notes in Computer Science, 2005, , 268-282.	1.0	8
106	AGENT COORDINATION CONTEXTS IN A MAS COORDINATION INFRASTRUCTURE. Applied Artificial Intelligence, 2006, 20, 179-202.	2.0	8
107	Designing a BPEL Orchestration Engine Based on ReSpecT Tuple Centres. Electronic Notes in Theoretical Computer Science, 2006, 154, 139-158.	0.9	8
108	Prototyping Concurrent Systems with Agents and Artifacts: Framework and Core Calculus. Electronic Notes in Theoretical Computer Science, 2008, 194, 111-132.	0.9	8

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109	Coordinating e-health systems with TuCSoN semantic tuple centres. ACM SIGAPP Applied Computing Review: A Publication of the Special Interest Group on Applied Computing, 2011, 11, 43-53.	0.5	8
110	Gradient-Based Self-Organisation Patterns of Anticipative Adaptation. , 2012, , .		8
111	HPC from a self-organisation perspective: The case of crowd steering at the urban scale. , 2014, , .		8
112	Towards a Foundational API for Resilient Distributed Systems Design. , 2017, , .		8
113	Aggregate plans for multiagent systems. International Journal of Agent Oriented Software Engineering, 2017, 5, 336.	0.1	8
114	On the Social Implications of Collective Adaptive Systems. IEEE Technology and Society Magazine, 2020, 39, 36-46.	0.6	8
115	Optimally-Self-Healing Distributed Gradient Structures Through Bounded Information Speed. Lecture Notes in Computer Science, 2017, , 59-77.	1.0	8
116	A Type-Passing Approach for the Implementation of Parametric Methods in Java. Computer Journal, 2003, 46, 263-294.	1.5	7
117	Agent Coordination Contexts for the formal specification and enactment of coordination and security policies. Science of Computer Programming, 2006, 63, 88-107.	1.5	7
118	Run-Time Management of Computation Domains in Field Calculus. , 2016, , .		7
119	Collective Abstractions and Platforms for Large-Scale Self-Adaptive IoT. , 2018, , .		7
120	simpA. , 2007, , .		6
121	Nature-Inspired Spatial Metaphors for Pervasive Service Ecosystems. , 2008, , .		6
122	A Framework for Modelling and Simulating Networks of Cells. Electronic Notes in Theoretical Computer Science, 2010, 268, 115-129.	0.9	6
123	Description spaces with fuzziness. , 2011, , .		6
124	Engineering Resilient Collaborative Edge-Enabled IoT. , 2019, , .		6
125	simpA: A Simple Agent-Oriented Java Extension for Developing Concurrent Applications. Lecture Notes in Computer Science, 2008, , 261-278.	1.0	6
126	Applying Self-Organizing Coordination to Emergent Tuple Organization in Distributed Networks. , 2008, , .		5

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127	A Coordination Approach to Adaptive Pervasive Service Ecosystems. , 2011, , .		5
128	A model for drosophila melanogaster development from a single cell to stripe pattern formation. , 2012, , .		5
129	Self-Organising Semantic Resource Discovery for Pervasive Systems. , 2012, , .		5
130	Semantic tuple centres. Science of Computer Programming, 2013, 78, 569-582.	1.5	5
131	A framework supporting multi-compartment stochastic simulation and parameter optimisation for investigating biological system development. Simulation, 2015, 91, 666-685.	1.1	5
132	Transparent Protection of Aggregate Computations from Byzantine Behaviours via Blockchain. , 2018, , .		5
133	ScaFi-Web: A Web-Based Application for Field-Based Coordination Programming. Lecture Notes in Computer Science, 2021, , 285-299.	1.0	5
134	A Programming Approach to Collective Autonomy. Journal of Sensor and Actuator Networks, 2021, 10, 27.	2.3	5
135	Externalisation and Internalization: A New Perspective on Agent Modularisation in Multi-Agent System Programming. Lecture Notes in Computer Science, 2010, , 35-54.	1.0	5
136	Towards a Pervasive Infrastructure for Chemical-Inspired Self-organising Services. Lecture Notes in Computer Science, 2010, , 152-176.	1.0	5
137	On Access Restriction with Java Wildcards.. Journal of Object Technology, 2005, 4, 117.	0.8	5
138	Effective and Efficient Compilation of Run-Time Generics in Java. Electronic Notes in Theoretical Computer Science, 2005, 138, 95-116.	0.9	4
139	On the Problem of Over-clustering in Tuple-based Coordination Systems. , 2007, , .		4
140	Prototyping A&A ReSpecT in Maude. Electronic Notes in Theoretical Computer Science, 2008, 194, 93-109.	0.9	4
141	Self Organization in Coordination Systems Using a WordNet-Based Ontology. , 2010, , .		4
142	Towards a Coordination Approach to Adaptive Pervasive Service Ecosystems. , 2011, , .		4
143	Security in Collective Adaptive Systems: A Roadmap. , 2019, , .		4
144	A Calculus of Agents and Artifacts. Communications in Computer and Information Science, 2011, , 124-136.	0.4	4

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145	Self-organising Pervasive Ecosystems: A Crowd Evacuation Example. Lecture Notes in Computer Science, 2011, , 115-129.	1.0	4
146	Process-algebraic approaches for multi-agent systems: an overview. Applicable Algebra in Engineering, Communications and Computing, 2005, 16, 69-75.	0.3	3
147	A timed extension of ReSpecT. , 2005, , .		3
148	Self-organized over-clustering avoidance in tuple-space systems. , 2007, , .		3
149	A computational framework for modelling multicellular biochemistry. , 2009, , .		3
150	Towards Situated Awareness in Urban Networks: A Bio-Inspired Approach. , 2012, , .		3
151	Toward Approximate Stochastic Model Checking of Computational Fields for Pervasive Computing Systems. , 2012, , .		3
152	Spatial awareness in pervasive ecosystems. Knowledge Engineering Review, 2016, 31, 343-366.	2.1	3
153	Distributed Real-Time Shortest-Paths Computations with the Field Calculus. , 2018, , .		3
154	Tuple-Based Coordination in Large-Scale Situated Systems. Lecture Notes in Computer Science, 2021, , 149-167.	1.0	3
155	Aggregate centrality measures for IoT-based coordination. Science of Computer Programming, 2021, 203, 102584.	1.5	3
156	Multi-agent Systems Meet Aggregate Programming: Towards a Notion of Aggregate Plan. Lecture Notes in Computer Science, 2015, , 49-64.	1.0	3
157	From SOA to Pervasive Service Ecosystems. Advances in Web Technologies and Engineering Book Series, 0, , 207-237.	0.4	3
158	The share Operator for Field-Based Coordination. Lecture Notes in Computer Science, 2019, , 54-71.	1.0	3
159	A Framework for Engineering Interactions in Java-based Component Systems. Electronic Notes in Theoretical Computer Science, 2006, 154, 43-61.	0.9	2
160	Reifying wildcards in Java using the EGO approach. , 2007, , .		2
161	A self-organising solution to the collective sort problem in distributed tuple spaces. , 2007, , .		2
162	A Prolog-oriented extension of Java programming based on generics and annotations. , 2007, , .		2

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163	Integrating Java and Prolog through generic methods and type inference. , 2008, , .		2
164	An experience on probabilistic model checking and stochastic simulation to design self-organizing systems. , 2009, , .		2
165	Using probabilistic model checking and simulation for designing self-organizing systems. , 2009, , .		2
166	General-Purpose Coordination Abstractions for Managing Interaction in MAS. , 2009, , .		2
167	Spatial Coordination of Pervasive Systems through Chemical-Inspired Tuple Spaces. , 2010, , .		2
168	Spatial Tuples: Augmenting reality with tuples. Expert Systems, 2018, 35, e12273.	2.9	2
169	Operational Semantics for Agents by Iterated Refinement. Lecture Notes in Computer Science, 2004, , 37-53.	1.0	2
170	Agent Interaction Semantics by Timed Operating Instructions. Lecture Notes in Computer Science, 2005, , 173-192.	1.0	2
171	Using Antâ€™s Brood Sorting to Increase Fault Tolerance in Lindaâ€™s Tuple Distribution Mechanism. Lecture Notes in Computer Science, 2007, , 255-269.	1.0	2
172	Aggregate Graph Statistics. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 264, 18-22.	0.8	2
173	Standard Type Soundness for Agents and Artifacts. Scientific Annals of Computer Science, 2012, , 267-326.	0.4	2
174	Resilient Distributed Collection Through Information Speed Thresholds. Lecture Notes in Computer Science, 2020, , 211-229.	1.0	2
175	Augmented Collective Digital Twins for Self-Organising Cyber-Physical Systems. , 2021, , .		2
176	An Observation Approach to the Semantics of Agent Communication Languages. Applied Artificial Intelligence, 2002, 16, 775-793.	2.0	1
177	Comparing semantic frameworks for coordination. , 2003, , .		1
178	Verifying Properties of Coordination by Well-Structured Transition Systems. Electronic Notes in Theoretical Computer Science, 2004, 97, 67-96.	0.9	1
179	Understanding access restriction of variant parametric types and Java wildcards. , 2005, , .		1
180	Variant path types for scalable extensibility. ACM SIGPLAN Notices, 2007, 42, 113-132.	0.2	1

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181	ReSpecT Nets: Towards an Analysis Methodology for ReSpecT Specifications. Electronic Notes in Theoretical Computer Science, 2007, 180, 123-144.	0.9	1
182	On the reification of Java wildcards. Science of Computer Programming, 2008, 73, 59-75.	1.5	1
183	A biochemical metaphor for developing eternally adaptive service ecosystems. , 2009, , .		1
184	Programming coordination laws of artifacts in CArtAgO. , 2011, , .		1
185	A quarter-century of The Knowledge Engineering Review: Introduction to the Special Issue. Knowledge Engineering Review, 2011, 26, 1-3.	2.1	1
186	Formal foundations of sensor network applications. SIGSPATIAL Special, 2015, 7, 36-42.	2.5	1
187	Fluidware: An Approach Towards Adaptive and Scalable Programming of the IoT. Lecture Notes in Computer Science, 2019, , 411-427.	1.0	1
188	Collective Adaptive Systems as Coordination Media: The Case of Tuples in Space-Time. , 2020, , .		1
189	A Computational Framework for Multilevel Morphologies. Understanding Complex Systems, 2012, , 383-405.	0.3	1
190	Resiliency with Aggregate Computing: State of the Art and Roadmap. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 217, 5-18.	0.8	1
191	On Distributed Runtime Verification by Aggregate Computing. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 302, 47-61.	0.8	1
192	Agents, Intelligence and Tools. Lecture Notes in Computer Science, 2009, , 157-173.	1.0	1
193	Formalising the Environment in MAS Programming: A Formal Model for Artifact-Based Environments. Lecture Notes in Computer Science, 2010, , 133-150.	1.0	1
194	Engineering Pervasive Multiagent Systems in SAPERE. Lecture Notes in Computer Science, 2013, , 196-214.	1.0	1
195	Towards Pulverised Architectures for Collective Adaptive Systems through Multi-Tier Programming. , 2021, , .		1
196	Collective Sort and Emergent Patterns of Tuple Distribution in Grid-Like Networks. , 2008, , .		0
197	Dynamic composition of coordination abstractions for pervasive systems. , 2012, , .		0
198	Predictable Self-Organization with Computational Fields. , 2014, , .		0

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199	Programming very-large scale systems of wearables. , 2015, , .		0
200	Computational Fields Meet Augmented Reality: Perspectives and Challenges. , 2015, , .		0
201	Spatial computing: introduction to the special issue. Knowledge Engineering Review, 2016, 31, 323-324.	2.1	0
202	Towards Adaptive Flow Programming for the IoT: The Fluidware Approach. , 2019, , .		0
203	Guest Editorial.. Journal of Object Technology, 2004, 3, .	0.8	0
204	An Organisation Infrastructure for Multi-agent Systems Based on Agent Coordination Contexts. Lecture Notes in Computer Science, 2005, , 198-211.	1.0	0
205	Guest Editorial.. Journal of Object Technology, 2007, 6, .	0.8	0
206	Guest Editorial.. Journal of Object Technology, 2008, 7, .	0.8	0
207	Middleware Infrastructures for Self-organising Pervasive Computing Systems. Natural Computing Series, 2011, , 313-344.	2.2	0
208	Aggregate plans for multiagent systems. International Journal of Agent Oriented Software Engineering, 2017, 5, 336.	0.1	0
209	Big data from the cloud to the edge. , 2019, , .		0
210	Time-Fluid Field-Based Coordination. Lecture Notes in Computer Science, 2020, , 193-210.	1.0	0