Sascha Ossowski

List of Publications by Citations

124 papers	**1,162** citations	**17** h-index	**29** g-index
140 ext. papers	**1,357** ext. citations	**2.1** avg, IF	**4.5** L-index

#	Paper	IF	Citations
124	An Agent-Based Approach to Virtual Power Plants of Wind Power Generators and Electric Vehicles. *IEEE Transactions on Smart Grid*, **2013**, 4, 1314-1322	10.7	148
123	Multiagent architectures for intelligent traffic management systems. *Transportation Research Part C: Emerging Technologies*, **2002**, 10, 473-506	8.4	82
122	Event-driven architecture for decision support in traffic management systems. *Expert Systems With Applications*, **2011**, 38, 6530-6539	7.8	57
121	Objective versus Subjective Coordination in the Engineering of Agent Systems. *Lecture Notes in Computer Science*, **2003**, 179-202	0.9	43
120	Route guidance: Bridging system and user optimization in traffic assignment. *Neurocomputing*, **2015**, 151, 449-460	5.4	35
119	A Computational Market for Distributed Control of Urban Road Traffic Systems. *IEEE Transactions on Intelligent Transportation Systems*, **2011**, 12, 313-321	6.1	35
118	Agreement Computing. *KI - Kunstliche Intelligenz*, **2011**, 25, 57-61	1.8	29
117	Trust-based service provider selection in open environments **2007**,		29
116	Decision support for traffic management based on organisational and communicative multiagent abstractions. *Transportation Research Part C: Emerging Technologies*, **2005**, 13, 272-298	8.4	28
115	Dynamic coordination of ambulances for emergency medical assistance services. *Knowledge-Based Systems*, **2014**, 70, 268-280	7.3	27
114	. *IEEE Intelligent Systems*, **2006**, 21, 11-20	4.2	27
113	Dynamic Coordination in Fleet Management Systems: Toward Smart Cyber Fleets. *IEEE Intelligent Systems*, **2014**, 29, 70-76	4.2	26
112	A distributed architecture for real-time evacuation guidance in large smart buildings. *Computer Science and Information Systems*, **2017**, 14, 257-282	0.8	26
111	Smart consumer load balancing: state of the art and an empirical evaluation in the Spanish electricity market. *Artificial Intelligence Review*, **2013**, 39, 81-95	9.7	25
110	Coordination Infrastructures in the Engineering of Multiagent Systems **2004**, 273-296		24
109	On coordination and its significance to distributed and multi-agent systems. *Concurrency Computation Practice and Experience*, **2006**, 18, 359-370	1.4	20
108	Dynamic Coalition Adaptation for Efficient Agent-Based Virtual Power Plants. *Lecture Notes in Computer Science*, **2011**, 101-112	0.9	18

107	Learning to Win by Reading Manuals in a Monte-Carlo Framework. *Journal of Artificial Intelligence Research*,43, 661-704	4	17
106	Organising MAS **2009**,		16
105	Taxi dispatching strategies with compensations. *Expert Systems With Applications*, **2019**, 122, 173-182	7.8	16
104	Automated negotiation in open and distributed environments. *Expert Systems With Applications*, **2013**, 40, 6195-6212	7.8	14
103	Preface to the special issue on Agreement Technologies. *Artificial Intelligence Review*, **2013**, 39, 1-3	9.7	14
102	MULTI-AGENT SYSTEMS FOR DECISION SUPPORT: A CASE STUDY IN THE TRANSPORTATION MANAGEMENT DOMAIN. *Applied Artificial Intelligence*, **2004**, 18, 779-795	2.3	14
101	A proportional share allocation mechanism for coordination of plug-in electric vehiclecharging. *Engineering Applications of Artificial Intelligence*, **2013**, 26, 1185-1197	7.2	13
100	Agreement Technologies: A Computing Perspective **2013**, 3-16		13
99	Coordination knowledge engineering. *Knowledge Engineering Review*, **2002**, 17, 309-316	2.1	12
98	The Governing Environment. *Lecture Notes in Computer Science*, **2006**, 88-104	0.9	12
97	Evacuation route optimization architecture considering human factor. *AI Communications*, **2017**, 30, 53-66	6.8	11
96	. *IEEE Intelligent Systems*, **2002**, 17, 62-72	4.2	11
95	A Multiagent Approach to the Dynamic Enactment of Semantic Transportation Services. *IEEE Transactions on Intelligent Transportation Systems*, **2011**, 12, 333-342	6.1	10
94	Event-Driven Architecture for Decision Support in Traffic Management Systems **2008**,		10
93	Towards Smart Open Dynamic Fleets. *Lecture Notes in Computer Science*, **2016**, 410-424	0.9	10
92	LEARNING AND COORDINATION FOR AUTONOMOUS INTERSECTION CONTROL. *Applied Artificial Intelligence*, **2011**, 25, 193-216	2.3	9
91	Multiagent service architectures for bus fleet management. *Integrated Computer-Aided Engineering*, **2004**, 11, 101-115	5.2	9
90	On the Impact of Agent Communication Languages on the Implementation of Agent Systems. *Lecture Notes in Computer Science*, **2004**, 92-106	0.9	9

89	Distributed coordination of emergency medical service for angioplasty patients. *Annals of Mathematics and Artificial Intelligence*, **2016**, 78, 73-100	0.8	8
88	Using Normative Markov Decision Processes for evaluating electronic contracts. *AI Communications*, **2012**, 25, 1-17	0.8	8
87	INJECTING SEMANTICS INTO EVENT-DRIVEN ARCHITECTURES **2009**,		8
86	Coordination in Multi-Agent Systems: Towards a Technology of Agreement. *Lecture Notes in Computer Science*, **2008**, 2-12	0.9	8
85	The Pragmatics of Software Agents: Analysis and Design of Agent Communication Languages. *Lecture Notes in Computer Science*, **2003**, 234-273	0.9	8
84	Engineering Agent Systems for Decision Support. *Lecture Notes in Computer Science*, **2003**, 184-198	0.9	8
83	Coordinating open fleets. A taxi assignment example. *AI Communications*, **2017**, 30, 37-52	0.8	7
82	Learning and evolving combat game controllers **2012**,		7
81	A Case of Multiagent Decision Support: Using Autonomous Agents for Urban Traffic Control. *Lecture Notes in Computer Science*, **1998**, 100-111	0.9	7
80	COORDINATION AND COLLABORATION ACTIVITIES IN COOPERATIVE INFORMATION SYSTEMS. *International Journal of Cooperative Information Systems*, **2004**, 13, 1-7	0.6	7
79	Towards Dynamic Rebalancing of Bike Sharing Systems: An Event-Driven Agents Approach. *Lecture Notes in Computer Science*, **2017**, 309-320	0.9	7
78	Social Structure in Artificial Agent Societies: Implications for Autonomous Problem-Solving Agents. *Lecture Notes in Computer Science*, **1999**, 133-148	0.9	7
77	Trust-based role coordination in task-oriented multiagent systems. *Knowledge-Based Systems*, **2013**, 52, 78-90	7.3	6
76	Fair route guidance: Bridging system and user optimization **2014**,		6
75	Constraint Based Coordination of Autonomous Agents. *Electronic Notes in Theoretical Computer Science*, **2001**, 48, 211-226	0.7	6
74	Integrating Trust in Virtual Organisations. *Lecture Notes in Computer Science*, **2006**, 19-31	0.9	6
73	Effective Use of Organisational Abstractions for Confidence Models **2006**, 368-383		6
72	Design and evaluation of norm-aware agents based on Normative Markov Decision Processes. *International Journal of Approximate Reasoning*, **2016**, 78, 33-61	3.6	5

71	Organisational structures in next-generation distributed systems: Towards a technology of agreement1. *Multiagent and Grid Systems*, **2011**, 7, 109-125	0.5	5
70	Dynamic Evolution of Role Taxonomies through Multidimensional Clustering in Multiagent Organizations. *Lecture Notes in Computer Science*, **2009**, 587-594	0.9	5
69	Value of Incomplete Information in Mobile Target Allocation. *Lecture Notes in Computer Science*, **2011**, 89-100	0.9	5
68	Bike3S: A tool for bike sharing systems simulation. *Journal of Simulation*, **2020**, 14, 278-294	1.9	4
67	Intelligent event processing for emergency medical assistance **2014**,		4
66	A Role-Based Support Mechanism for Service Description and Discovery **2007**, 132-146		4
65	Collective-Based Multiagent Coordination: A Case Study. *Lecture Notes in Computer Science*, **2007**, 240-253	0.9	4
64	Supporting Medical Emergencies by MAS. *Lecture Notes in Computer Science*, **2009**, 823-833	0.9	4
63	An Organizational Approach to Agent-Based Virtual Power Stations via Coalitional Games. *Advances in Intelligent and Soft Computing*, **2011**, 125-134		4
62	Representing Emotion and Mood States for Virtual Agents. *Lecture Notes in Computer Science*, **2011**, 181-188	0.9	4
61	EEP A lightweight emotional model: Application to RPG video game characters **2011**,		3
60	Semantic E-Learning Agents **2006**, 237-244		3
59	System architecture of a distributed expert system for the management of a national data network. *Lecture Notes in Computer Science*, **1998**, 438-451	0.9	3
58	Intelligent People Flow Coordination in Smart Spaces. *Lecture Notes in Computer Science*, **2016**, 34-49	0.9	3
57	Coordination and Agreement in Multi-Agent Systems. *Lecture Notes in Computer Science*, **2008**, 16-23	0.9	3
56	An Artificial Market for Efficient Allocation of Road Transport Networks. *Lecture Notes in Computer Science*, **2011**, 189-196	0.9	3
55	Applying Event Stream Processing on Traffic Problem Detection. *Lecture Notes in Computer Science*, **2009**, 27-38	0.9	3
54	Agreement Technologies for Coordination in Smart Cities. *Applied Sciences (Switzerland)*, **2018**, 8, 816	2.6	3

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53	An Organizational Metamodel for the Design of Catalogues of Communicative Actions. *Lecture Notes in Computer Science*, **2002**, 92-108	0.9	3
52	ECOOP: Applying Dynamic Coalition Formation to the Power Regulation Problem in Smart Grids. *Computational Intelligence*, **2017**, 33, 401-427	2.5	2
51	Special issue on agreement technologies. *Information Systems Frontiers*, **2015**, 17, 707-711	4	2
50	A framework for fraud discovery via illicit agreements in energy markets. *AI Communications*, **2015**, 28, 607-616	0.8	2
49	Towards reservation-based intersection coordination: an economic approach **2008**,		2
48	On multiagent co-ordination architectures: a traffic management case study		2
47	The design of agent communication languages **2002**,		2
46	The Design of Communicative Act Libraries: A Linguistic Perspective. *Applied Artificial Intelligence*, **2002**, 16, 753-774	2.3	2
45	Social co-ordination among autonomous problem-solving agents. *Lecture Notes in Computer Science*, **1998**, 134-148	0.9	2
44	Reusable Components for Implementing Agent Interactions. *Lecture Notes in Computer Science*, **2006**, 101-119	0.9	2
43	Event-Driven Agents: Enhanced Perception for Multi-Agent Systems Using Complex Event Processing. *Lecture Notes in Computer Science*, **2018**, 463-475	0.9	2
42	Optimizing Emergency Medical Assistance Coordination in After-Hours Urgent Surgery Patients. *Lecture Notes in Computer Science*, **2015**, 316-331	0.9	2
41	A Proposal for Situation-Aware Evacuation Guidance Based on Semantic Technologies. *Lecture Notes in Computer Science*, **2017**, 493-508	0.9	2
40	An Organisational Approach to the Design of Interaction Protocols. *Lecture Notes in Computer Science*, **2003**, 194-208	0.9	2
39	An Organisation-Based Multiagent System for Medical Emergency Assistance. *Lecture Notes in Computer Science*, **2009**, 561-568	0.9	2
38	Adaptation Patterns in Multi-Agent Architectures: The Gathering Pattern. *Lecture Notes in Computer Science*, **2011**, 657-661	0.9	2
37	Inducing Desirable Behaviour through an Incentives Infrastructure. *Lecture Notes in Computer Science*, **2010**, 64-75	0.9	2
36	Modeling Administrative Discretion Using Goal-Directed Answer Set Programming. *Lecture Notes in Computer Science*, **2021**, 258-267	0.9	2

35	Knowledge Modelling in Multiagent Systems: The Case of the Management of a National Network. *Lecture Notes in Computer Science*, **1999**, 501-513	0.9	2
34	Stream-Based Perception for Agents on Mobile Devices. *Lecture Notes in Computer Science*, **2019**, 73-87	0.9	1
33	Soft computing for content generation: Trading market in a basketball management video game **2013**,		1
32	Enabling Distributed Intelligent Systems in Open Environments through Agreement Technologies **2012**,		1
31	Normative Reasoning with an Adaptive Self-interested Agent Model Based on Markov Decision Processes. *Lecture Notes in Computer Science*, **2010**, 274-283	0.9	1
30	An abstract architecture for semantic service coordination in agent-based intelligent peer-to-peer environments **2006**,		1
29	The ¥MECIMPLANY¥Approach to Agent-Based Strategic Planning **2006**,		1
28	Towards a Generic Multiagent Model for Decision Support: Two Case Studies. *Lecture Notes in Computer Science*, **2004**, 597-607	0.9	1
27	Semantic Service Composition in Service-Oriented Multiagent Systems: A Filtering Approach. *Lecture Notes in Computer Science*, **2007**, 78-91	0.9	1
26	Evaluating Crowdshipping Systems with Agent-Based Simulation. *Lecture Notes in Computer Science* , **2020**, 396-411	0.9	1
25	Imperfect Norm Enforcement in Stochastic Environments: An Analysis of Efficiency and Cost Tradeoffs. *Lecture Notes in Computer Science*, **2014**, 523-535	0.9	1
24	Exploring the Potential of Multiagent Learning for Autonomous Intersection Control. *Advances in Mechatronics and Mechanical Engineering*, **2009**, 280-290	0.5	1
23	Towards Adaptive Service Ecosystems with Agreement Technologies. *Lecture Notes in Computer Science*, **2010**, 77-87	0.9	1
22	eCOOP: Privacy-Preserving Dynamic Coalition Formation for Power Regulation in the Smart Grid. *Lecture Notes in Computer Science*, **2013**, 19-31	0.9	1
21	Decentralizing Coordination in Open Vehicle Fleets for Scalable and Dynamic Task Allocation. *Complexity*, **2020**, 2020, 1-21	1.6	1
20	On avoiding panic by pedestrian route recommendation in smart spaces **2016**,		1
19	Legal and ethical implications of applications based on agreement technologies: the case of auction-based road intersections. *Artificial Intelligence and Law*, **2020**, 28, 385-414	2.2	1
18	Smart Cyber Victimization Discovery on Twitter. *Lecture Notes in Networks and Systems*, **2022**, 289-299	0.5	1

17 A knowledge-level model of co-ordination. *Lecture Notes in Computer Science*, **1996**, 46-57   0.9   1

16 Smart Recommendations for Renting Bikes in Bike-Sharing Systems. *Applied Sciences (Switzerland)*, **2021**, 11, 9654   2.6   0

15 Tentative Exploration on Reinforcement Learning Algorithms for Stochastic Rewards. *Lecture Notes in Computer Science*, **2009**, 336-343   0.9   0

14 Stream-based perception for cognitive agents in mobile ecosystems. *AI Communications*, **2019**, 32, 271-288   0.8

13 From theory to practice in multiagent system design: The case of structural co-operation. *Lecture Notes in Computer Science*, **1998**, 105-116   0.9

12 An Approach to Agent Communication Based on Organisational Roles. *Lecture Notes in Computer Science*, **2002**, 241-248   0.9

11 Applying Advisory Agents on the Semantic Web for E-Learning. *International Journal of Intelligent Information Technologies*, **2006**, 2, 40-55   0.9

10 On the Relevance of Organizational Structures for a Technology of Agreement. *Lecture Notes in Computer Science*, **2008**, 138-149   0.9

9 Legal Implications of Novel Taxi Assignment Strategies. *Communications in Computer and Information Science*, **2020**, 361-372   0.3

8 Designing Organized Multiagent Systems through MDPs. *Lecture Notes in Computer Science*, **2009**, 183-188   0

7 An Investigation of Emergent Collaboration under Uncertainty and Minimal Information in Energy Domains. *Lecture Notes in Computer Science*, **2011**, 472-483   0.9

6 A Computational Monetary Market for Plug-In Electric Vehicle Charging. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2012**, 88-99   0.2

5 On Mobile Target Allocation with Incomplete Information in Defensive Environments. *Lecture Notes in Computer Science*, **2012**, 4-13   0.9

4 Agent-Based Applications for the Smart Grid: A Playground for Agreement Technologies. *Communications in Computer and Information Science*, **2013**, 13-16   0.3

3 Lifecycle of Adaptive Agreements: A Pattern Language. *Lecture Notes in Computer Science*, **2013**, 48-62   0.9

2 Scalable Distributed Decision-Making and Coordination in Large and Complex Systems: Methods, Techniques, and Models. *Complexity*, **2020**, 2020, 1-3   1.6

1 Reducing Emissions Prioritising Transport Utility. *Lecture Notes in Networks and Systems*, **2022**, 300-311   0.5