Sascha Ossowski

List of Publications by Year in Descending Order

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	Reducing Emissions Prioritising Transport Utility. *Lecture Notes in Networks and Systems*, **2022**, 300-311	0.5	
123	Smart Cyber Victimization Discovery on Twitter. *Lecture Notes in Networks and Systems*, **2022**, 289-299	0.5	1
122	Smart Recommendations for Renting Bikes in Bike-Sharing Systems. *Applied Sciences (Switzerland)*, **2021**, 11, 9654	2.6	0
121	Modeling Administrative Discretion Using Goal-Directed Answer Set Programming. *Lecture Notes in Computer Science*, **2021**, 258-267	0.9	2
120	Bike3S: A tool for bike sharing systems simulation. *Journal of Simulation*, **2020**, 14, 278-294	1.9	4
119	Legal Implications of Novel Taxi Assignment Strategies. *Communications in Computer and Information Science*, **2020**, 361-372	0.3	
118	Evaluating Crowdshipping Systems with Agent-Based Simulation. *Lecture Notes in Computer Science*, **2020**, 396-411	0.9	1
117	Scalable Distributed Decision-Making and Coordination in Large and Complex Systems: Methods, Techniques, and Models. *Complexity*, **2020**, 2020, 1-3	1.6	
116	Decentralizing Coordination in Open Vehicle Fleets for Scalable and Dynamic Task Allocation. *Complexity*, **2020**, 2020, 1-21	1.6	1
115	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
114	Stream-based perception for cognitive agents in mobile ecosystems. *AI Communications*, **2019**, 32, 271-286	0.8	
113	Stream-Based Perception for Agents on Mobile Devices. *Lecture Notes in Computer Science*, **2019**, 73-87	0.9	1
112	Taxi dispatching strategies with compensations. *Expert Systems With Applications*, **2019**, 122, 173-182	7.8	16
111	Event-Driven Agents: Enhanced Perception for Multi-Agent Systems Using Complex Event Processing. *Lecture Notes in Computer Science*, **2018**, 463-475	0.9	2
110	Agreement Technologies for Coordination in Smart Cities. *Applied Sciences (Switzerland)*, **2018**, 8, 816	2.6	3
109	ECOOP: Applying Dynamic Coalition Formation to the Power Regulation Problem in Smart Grids. *Computational Intelligence*, **2017**, 33, 401-427	2.5	2
108	Evacuation route optimization architecture considering human factor. *AI Communications*, **2017**, 30, 53-66	0.8	11

107	Coordinating open fleets. A taxi assignment example. *AI Communications*, **2017**, 30, 37-52	0.8	7
106	A distributed architecture for real-time evacuation guidance in large smart buildings. *Computer Science and Information Systems*, **2017**, 14, 257-282	0.8	26
105	A Proposal for Situation-Aware Evacuation Guidance Based on Semantic Technologies. *Lecture Notes in Computer Science*, **2017**, 493-508	0.9	2
104	Towards Dynamic Rebalancing of Bike Sharing Systems: An Event-Driven Agents Approach. *Lecture Notes in Computer Science*, **2017**, 309-320	0.9	7
103	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
102	Distributed coordination of emergency medical service for angioplasty patients. *Annals of Mathematics and Artificial Intelligence*, **2016**, 78, 73-100	0.8	8
101	Intelligent People Flow Coordination in Smart Spaces. *Lecture Notes in Computer Science*, **2016**, 34-49	0.9	3
100	Towards Smart Open Dynamic Fleets. *Lecture Notes in Computer Science*, **2016**, 410-424	0.9	10
99	On avoiding panic by pedestrian route recommendation in smart spaces **2016**,		1
98	Route guidance: Bridging system and user optimization in traffic assignment. *Neurocomputing*, **2015**, 151, 449-460	5.4	35
97	Special issue on agreement technologies. *Information Systems Frontiers*, **2015**, 17, 707-711	4	2
96	A framework for fraud discovery via illicit agreements in energy markets. *AI Communications*, **2015**, 28, 607-616	0.8	2
95	Optimizing Emergency Medical Assistance Coordination in After-Hours Urgent Surgery Patients. *Lecture Notes in Computer Science*, **2015**, 316-331	0.9	2
94	Intelligent event processing for emergency medical assistance **2014**,		4
93	Dynamic Coordination in Fleet Management Systems: Toward Smart Cyber Fleets. *IEEE Intelligent Systems*, **2014**, 29, 70-76	4.2	26
92	Dynamic coordination of ambulances for emergency medical assistance services. *Knowledge-Based Systems*, **2014**, 70, 268-280	7.3	27
91	Fair route guidance: Bridging system and user optimization **2014**,		6
90	Imperfect Norm Enforcement in Stochastic Environments: An Analysis of Efficiency and Cost Tradeoffs. *Lecture Notes in Computer Science*, **2014**, 523-535	0.9	1

89	Automated negotiation in open and distributed environments. *Expert Systems With Applications*, **2013**, 40, 6195-6212	7.8	14
88	Trust-based role coordination in task-oriented multiagent systems. *Knowledge-Based Systems*, **2013**, 52, 78-90	7.3	6
87	Soft computing for content generation: Trading market in a basketball management video game **2013**,		1
86	A proportional share allocation mechanism for coordination of plug-in electric vehiclecharging. *Engineering Applications of Artificial Intelligence*, **2013**, 26, 1185-1197	7.2	13
85	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
84	Preface to the special issue on Agreement Technologies. *Artificial Intelligence Review*, **2013**, 39, 1-3	9.7	14
83	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
82	Agreement Technologies: A Computing Perspective **2013**, 3-16		13
81	eCOOP: Privacy-Preserving Dynamic Coalition Formation for Power Regulation in the Smart Grid. *Lecture Notes in Computer Science*, **2013**, 19-31	0.9	1
80	Agent-Based Applications for the Smart Grid: A Playground for Agreement Technologies. *Communications in Computer and Information Science*, **2013**, 13-16	0.3	
79	Lifecycle of Adaptive Agreements: A Pattern Language. *Lecture Notes in Computer Science*, **2013**, 48-62	0.9	
78	Enabling Distributed Intelligent Systems in Open Environments through Agreement Technologies **2012**,		1
77	Learning and evolving combat game controllers **2012**,		7
76	Using Normative Markov Decision Processes for evaluating electronic contracts. *AI Communications*, **2012**, 25, 1-17	0.8	8
75	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	
74	On Mobile Target Allocation with Incomplete Information in Defensive Environments. *Lecture Notes in Computer Science*, **2012**, 4-13	0.9	
73	Organisational structures in next-generation distributed systems: Towards a technology of agreement1. *Multiagent and Grid Systems*, **2011**, 7, 109-125	0.5	5
72	Agreement Computing. *KI - Kunstliche Intelligenz*, **2011**, 25, 57-61	1.8	29

#			
71	A Computational Market for Distributed Control of Urban Road Traffic Systems. *IEEE Transactions on Intelligent Transportation Systems*, **2011**, 12, 313-321	6.1	35
70	EEP ⎕A lightweight emotional model: Application to RPG video game characters **2011**,		3
69	A Multiagent Approach to the Dynamic Enactment of Semantic Transportation Services. *IEEE Transactions on Intelligent Transportation Systems*, **2011**, 12, 333-342	6.1	10
68	LEARNING AND COORDINATION FOR AUTONOMOUS INTERSECTION CONTROL. *Applied Artificial Intelligence*, **2011**, 25, 193-216	2.3	9
67	Event-driven architecture for decision support in traffic management systems. *Expert Systems With Applications*, **2011**, 38, 6530-6539	7.8	57
66	An Organizational Approach to Agent-Based Virtual Power Stations via Coalitional Games. *Advances in Intelligent and Soft Computing*, **2011**, 125-134		4
65	Value of Incomplete Information in Mobile Target Allocation. *Lecture Notes in Computer Science*, **2011**, 89-100	0.9	5
64	Dynamic Coalition Adaptation for Efficient Agent-Based Virtual Power Plants. *Lecture Notes in Computer Science*, **2011**, 101-112	0.9	18
63	An Artificial Market for Efficient Allocation of Road Transport Networks. *Lecture Notes in Computer Science*, **2011**, 189-196	0.9	3
62	Adaptation Patterns in Multi-Agent Architectures: The Gathering Pattern. *Lecture Notes in Computer Science*, **2011**, 657-661	0.9	2
61	An Investigation of Emergent Collaboration under Uncertainty and Minimal Information in Energy Domains. *Lecture Notes in Computer Science*, **2011**, 472-483	0.9	
60	Representing Emotion and Mood States for Virtual Agents. *Lecture Notes in Computer Science*, **2011**, 181-188	0.9	4
59	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
58	Towards Adaptive Service Ecosystems with Agreement Technologies. *Lecture Notes in Computer Science*, **2010**, 77-87	0.9	1
57	Inducing Desirable Behaviour through an Incentives Infrastructure. *Lecture Notes in Computer Science*, **2010**, 64-75	0.9	2
56	Organising MAS **2009**,		16
55	INJECTING SEMANTICS INTO EVENT-DRIVEN ARCHITECTURES **2009**,		8
54	Supporting Medical Emergencies by MAS. *Lecture Notes in Computer Science*, **2009**, 823-833	0.9	4

53	An Organisation-Based Multiagent System for Medical Emergency Assistance. *Lecture Notes in Computer Science*, **2009**, 561-568	0.9	2
52	Dynamic Evolution of Role Taxonomies through Multidimensional Clustering in Multiagent Organizations. *Lecture Notes in Computer Science*, **2009**, 587-594	0.9	5
51	Applying Event Stream Processing on Traffic Problem Detection. *Lecture Notes in Computer Science*, **2009**, 27-38	0.9	3
50	Designing Organized Multiagent Systems through MDPs. *Lecture Notes in Computer Science*, **2009**, 183-188	0.9	8
49	Tentative Exploration on Reinforcement Learning Algorithms for Stochastic Rewards. *Lecture Notes in Computer Science*, **2009**, 336-343	0.9	0
48	Exploring the Potential of Multiagent Learning for Autonomous Intersection Control. *Advances in Mechatronics and Mechanical Engineering*, **2009**, 280-290	0.5	1
47	Towards reservation-based intersection coordination: an economic approach **2008**,		2
46	Event-Driven Architecture for Decision Support in Traffic Management Systems **2008**,		10
45	On the Relevance of Organizational Structures for a Technology of Agreement. *Lecture Notes in Computer Science*, **2008**, 138-149	0.9	
44	Coordination and Agreement in Multi-Agent Systems. *Lecture Notes in Computer Science*, **2008**, 16-23	0.9	3
43	Coordination in Multi-Agent Systems: Towards a Technology of Agreement. *Lecture Notes in Computer Science*, **2008**, 2-12	0.9	8
42	Trust-based service provider selection in open environments **2007**,		29
41	Semantic Service Composition in Service-Oriented Multiagent Systems: A Filtering Approach. *Lecture Notes in Computer Science*, **2007**, 78-91	0.9	1
40	A Role-Based Support Mechanism for Service Description and Discovery **2007**, 132-146		4
39	Collective-Based Multiagent Coordination: A Case Study. *Lecture Notes in Computer Science*, **2007**, 240-253	0.9	4
38	On coordination and its significance to distributed and multi-agent systems. *Concurrency Computation Practice and Experience*, **2006**, 18, 359-370	1.4	20
37	An abstract architecture for semantic service coordination in agent-based intelligent peer-to-peer environments **2006**,		1
36	The ʏMECIMPLANYApproach to Agent-Based Strategic Planning **2006**,		1

17	Multiagent architectures for intelligent traffic management systems. *Transportation Research Part C: Emerging Technologies*, **2002**, 10, 473-506	8.4	82
16	Coordination knowledge engineering. *Knowledge Engineering Review*, **2002**, 17, 309-316	2.1	12
15	The design of agent communication languages **2002**,		2
14	. *IEEE Intelligent Systems*, **2002**, 17, 62-72	4.2	11
13	The Design of Communicative Act Libraries: A Linguistic Perspective. *Applied Artificial Intelligence*, **2002**, 16, 753-774	2.3	2
12	An Approach to Agent Communication Based on Organisational Roles. *Lecture Notes in Computer Science*, **2002**, 241-248	0.9	
11	An Organizational Metamodel for the Design of Catalogues of Communicative Actions. *Lecture Notes in Computer Science*, **2002**, 92-108	0.9	3
10	Constraint Based Coordination of Autonomous Agents. *Electronic Notes in Theoretical Computer Science*, **2001**, 48, 211-226	0.7	6
9	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
8	Social Structure in Artificial Agent Societies: Implications for Autonomous Problem-Solving Agents. *Lecture Notes in Computer Science*, **1999**, 133-148	0.9	7
7	A Case of Multiagent Decision Support: Using Autonomous Agents for Urban Traffic Control. *Lecture Notes in Computer Science*, **1998**, 100-111	0.9	7
6	Social co-ordination among autonomous problem-solving agents. *Lecture Notes in Computer Science*, **1998**, 134-148	0.9	2
5	From theory to practice in multiagent system design: The case of structural co-operation. *Lecture Notes in Computer Science*, **1998**, 105-116	0.9	
4	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
3	A knowledge-level model of co-ordination. *Lecture Notes in Computer Science*, **1996**, 46-57	0.9	1
2	On multiagent co-ordination architectures: a traffic management case study		2
1	Learning to Win by Reading Manuals in a Monte-Carlo Framework. *Journal of Artificial Intelligence Research*, 43, 661-704	4	17