Ivan Marsa-Maestre

List of Publications by Year
in descending order

61	594	623699	677123
papers	citations	14 h-index	22 g-index

63	63	63	504
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the Benefits of Channel Bonding in Dense, Decentralized Wi-Fi 4 Networks. Wireless Communications and Mobile Computing, 2022, 2022, 1-11.	1.2	2
2	Distributed Remote E-Voting System Based on Shamirâ€™s Secret Sharing Scheme. Electronics (Switzerland), 2021, 10, 3075.	3.1	4
3	Flight Level Assignment Using Graph Coloring. Applied Sciences (Switzerland), 2020, 10, 6157.	2.5	2
4	A Cluster-Based Channel Assignment Technique in IEEE 802.11 Networks. Telecom, 2020, 1, 228-241.	2.6	2
5	A Variable-Length Chromosome Genetic Algorithm to Solve a Road Traffic Coordination Multipath Problem. IEEE Access, 2019, 7, 111968-111981.	4.2	14
6	REACT: reactive resilience for critical infrastructures using graph-coloring techniques. Journal of Network and Computer Applications, 2019, 145, 102402.	9.1	6
7	Automated Optimization of Intersections Using a Genetic Algorithm. IEEE Access, 2019, 7, 15452-15468.	4.2	32
8	A Coral Reefs Optimization algorithm with substrate layer for robust Wi-Fi channel assignment. Soft Computing, 2019, 23, 12621-12640.	3.6	20
9	Efficient Spectrum Usage for Wireless Communications. Wireless Communications and Mobile Computing, 2019, 2019, 1-2.	1.2	3
10	Nonlinear Negotiation Approaches for Complex-Network Optimization: A Study Inspired by Wi-Fi Channel Assignment. Group Decision and Negotiation, 2019, 28, 175-196.	3.3	12
11	Spectrum graph coloring to improve Wi-Fi channel assignment in a real-world scenario via edge contraction. Discrete Applied Mathematics, 2019, 263, 234-243.	0.9	8
12	On the Goodness of Using Orthogonal Channels in WLAN IEEE 802.11 in Realistic Scenarios. Wireless Communications and Mobile Computing, 2018, 2018, 1-11.	1.2	8
13	Optimized Sensor Network and Multi-Agent Decision Support for Smart Traffic Light Management. Sensors, 2018, 18, 435.	3.8	29
14	Access Control Mechanism for IoT Environments Based on Modelling Communication Procedures as Resources. Sensors, 2018, 18, 917.	3.8	51
15	Spectrum Graph Coloring and Applications to Wi-Fi Channel Assignment. Symmetry, 2018, 10, 65.	2.2	22
16	A Machine Learning Approach for Mechanism Selection in Complex Negotiations. Journal of Systems Science and Systems Engineering, 2018, 27, 134-155.	1.6	7
17	Nonlinear Negotiation Approaches for Complex-Network Optimization: A Study Inspired by Wi-Fi Channel Assignment. Lecture Notes in Computer Science, 2017, , 51-65.	1.3	0
18	Protecting Sensors in an IoT Environment by Modelling Communications as Resources. Proceedings (mdpi), 2017, 1, .	0.2	2

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19	Competitive Belief Propagation to Efficiently Solve Complex Multi-agent Negotiations with Network Structure. Lecture Notes in Computer Science, 2017, , 1-16.	1.3	2
20	Using Graph Properties and Clustering Techniques to Select Division Mechanisms for Scalable Negotiations. Studies in Computational Intelligence, 2017, , 67-84.	0.9	0
21	A Cooperative Framework for Mediated Group Decision Making. Studies in Computational Intelligence, 2017, , 35-50.	0.9	0
22	Ontology-Based Architecture for Intelligent Transportation Systems Using a Traffic Sensor Network. Sensors, 2016, 16, 1287.	3.8	34
23	Bounds on spectrum graph coloring. Electronic Notes in Discrete Mathematics, 2016, 54, 63-68.	0.4	3
24	TOWER: Topology Optimization for netWork Enhanced Resilience. , 2016, , .		0
25	Automated Negotiation for Resource Assignment in Wireless Surveillance Sensor Networks. Sensors, 2015, 15, 29547-29568.	3.8	24
26	Applying an Unified Access Control for IoT-based Intelligent Agent Systems. , 2015, , .		23
27	ADDRESSING UTILITY SPACE COMPLEXITY IN NEGOTIATIONS INVOLVING HIGHLY UNCORRELATED, CONSTRAINTâ€BASED UTILITY SPACES. Computational Intelligence, 2014, 30, 1-29.	3.2	9
28	From problems to protocols: Towards a negotiation handbook. Decision Support Systems, 2014, 60, 39-54.	5.9	49
29	Detecting and defeating advanced man-in-the-middle attacks against TLS. , 2014, , .		8
30	Design and evaluation of a learning environment to effectively provide network security skills. Computers and Education, 2013, 69, 225-236.	8.3	15
31	A Recursive Protocol for Negotiating Contracts Under Non-monotonic Preference Structures. Group Decision and Negotiation, 2013, 22, 1-43.	3.3	13
32	Ontology Alignment Architecture for Semantic Sensor Web Integration. Sensors, 2013, 13, 12581-12604.	3.8	29
33	Path-Moose: A Scalable All-Path Bridging Protocol. IEICE Transactions on Communications, 2013, E96.B, 756-763.	0.7	3
34	Trends in Multiagent Negotiation: From Bilateral Bargaining to Consensus Policies. , 2013, , 405-415.		2
35	Consortium Formation Using a Consensus Policy Based Negotiation Framework. Studies in Computational Intelligence, 2013, , 3-22.	0.9	2
36	Using a scenario generation framework for education on system and internet security. , 2012, , .		4

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37	Addressing stability issues in mediated complex contract negotiations for constraint-based, non-monotonic utility spaces. Autonomous Agents and Multi-Agent Systems, 2012, 24, 485-535.	2.1	22
38	Simulation of Coordinated Anticipatory Vehicle Routing Strategies on MATSim. Lecture Notes in Computer Science, 2012, , 90-108.	1.3	2
39	Effect of Anticipatory Stigmergy on Decentralized Traffic Congestion Control. Lecture Notes in Computer Science, 2012, , 214-227.	1.3	1
40	A REGIONâ€BASED MULTIâ€ISSUE NEGOTIATION PROTOCOL FOR NONMONOTONIC UTILITY SPACES. Computational Intelligence, 2011, 27, 166-217.	3.2	18
41	Consensus Policy Based Multi-agent Negotiation. Lecture Notes in Computer Science, 2011, , 159-173.	1.3	6
42	Negowiki: A Set of Community Tools for the Consistent Comparison of Negotiation Approaches. Lecture Notes in Computer Science, 2011, , 424-435.	1.3	4
43	Strategies for offer generation and relaxation in fuzzy constraint-based negotiation models. Multiagent and Grid Systems, 2010, 6, 503-525.	0.9	0
44	TRE+: Extended Tree-Based Routing Ethernet. ETRI Journal, 2010, 32, 157-159.	2.0	4
45	Improving trade-offs in automated bilateral negotiations for expressive and inexpressive scenarios. Journal of Intelligent and Fuzzy Systems, 2010, 21, 165-174.	1.4	6
46	Using RFID to Enhance Security in Off-Site Data Storage. Sensors, 2010, 10, 8010-8027.	3.8	5
47	Do-it-yourself creation of pervasive, tangible applications. , 2010, , .		0
48	An Infocard-Based Proposal for Unified Single Sign on. , 2009, , .		3
49	NegoExplorer: A Region-Based Recursive Approach to Bilateral Multi-attribute Negotiation. Lecture Notes in Computer Science, 2009, , 261-275.	1.3	0
50	Using Clustering Techniques to Improve Fuzzy Constraint Based Automated Purchase Negotiations. Studies in Computational Intelligence, 2009, , 89-117.	0.9	0
51	A hierarchical, agent-based service oriented architecture for smart environments. Service Oriented Computing and Applications, 2008, 2, 167-185.	1.6	9
52	Using Expressive Dialogues and Gradient Information to Improve Trade-Offs in Bilateral Negotiations. Lecture Notes in Computer Science, 2008, , 71-80.	1.3	1
53	Mobile Agents for Service Personalization in Smart Environments. Journal of Networks, 2008, 3, .	0.4	45
54	Improving Trade-Offs in Bilateral Negotiations under Complete and Incomplete Information Settings. Lecture Notes in Computer Science, 2008, , 275-286.	1.3	2

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55	Anegsys: An automated negotiation based recommender system for local e-marketplaces. IEEE Latin America Transactions, 2007, 5, 409-416.	1.6	4
56	Clustering Techniques in Automated Purchase Negotiations. Lecture Notes in Computer Science, 2007, , 310-312.	1.3	0
57	Mobile Devices for Personal Smart Spaces. , 2007, , .		3
58	The Agentsâ€™ Attitudes in Fuzzy Constraint Based Automated Purchase Negotiations. Lecture Notes in Computer Science, 2007, , 246-255.	1.3	10
59	Diversec Voting - VotaciÃ³n remota distribuida para una seguridad en profundidad. ColecciÃ³n Jornadas Y Congresos, 0, , .	0.0	0
60	CloudWall: A Cloud-enabled Resiliency Framework for HealthCare IT Infrastructures. ColecciÃ³n Jornadas Y Congresos, 0, , .	0.0	0
61	Intelligent Traffic Light Management using Multi-Behavioral Agents. , 0, , .		3