

# Juan Jose Alcaraz

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

590  
citations

623734

14  
h-index

642732

23  
g-index

69  
all docs

69  
docs citations

69  
times ranked

661  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiframe Maximum-Likelihood Tag Estimation for RFID Anticollision Protocols. IEEE Transactions on Industrial Informatics, 2011, 7, 487-496.	11.3	82
2	Control-based scheduling with QoS support for vehicle to infrastructure communications. IEEE Wireless Communications, 2009, 16, 32-39.	9.0	48
3	SAETA: A Smart Coaching Assistant for Professional Volleyball Training. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 1138-1150.	9.3	40
4	Rich vehicle routing problem with last-mile outsourcing decisions. Transportation Research, Part E: Logistics and Transportation Review, 2019, 129, 263-286.	7.4	37
5	On the optimal random deployment of wireless sensor networks in non-homogeneous scenarios. Ad Hoc Networks, 2013, 11, 846-860.	5.5	31
6	Statistical Beaconing Congestion Control for Vehicular Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 4162-4181.	6.3	28
7	Optimizing TCP and RLC interaction in the UMTS radio access network. IEEE Network, 2006, 20, 56-64.	6.9	25
8	Performance of single-relay cooperative ARQ retransmission strategies. IEEE Communications Letters, 2009, 13, 121-123.	4.1	22
9	Dynamic system model for optimal configuration of mobile RFID systems. Computer Networks, 2011, 55, 74-83.	5.1	20
10	A Stochastic Shortest Path Model to Minimize the Reading Time in DFSA-Based RFID Systems. IEEE Communications Letters, 2013, 17, 341-344.	4.1	20
11	Online Learning for Energy Saving and Interference Coordination in HetNets. IEEE Journal on Selected Areas in Communications, 2019, 37, 1374-1388.	14.0	20
12	Ambient intelligence assistant for running sports based on k-NN classifiers. , 2010, , .		17
13	Automated spectrum trading mechanisms: understanding the big picture. Wireless Networks, 2015, 21, 685-708.	3.0	15
14	Optimal Planning of WSN Deployments for <i>In Situ</i> Lunar Surveys. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 1866-1879.	4.7	15
15	OSL: An optimization-based scheduler for RFID Dense-Reader Environments. Ad Hoc Networks, 2016, 37, 512-525.	5.5	14
16	RFID Reader Scheduling for Reliable Identification of Moving Tags. IEEE Transactions on Automation Science and Engineering, 2013, 10, 816-828.	5.2	13
17	Optimal configuration of roadside beacons in V2I communications. Computer Networks, 2011, 55, 3142-3153.	5.1	12
18	Link-Layer Scheduling in Vehicle to Infrastructure Networks: An Optimal Control Approach. IEEE Journal on Selected Areas in Communications, 2011, 29, 103-112.	14.0	11

#	ARTICLE	IF	CITATIONS
19	Coalitional Games With Intervention: Application to Spectrum Leasing in Cognitive Radio. IEEE Transactions on Wireless Communications, 2014, 13, 6166-6179.	9.2	11
20	Energy Saving and Interference Coordination in HetNets Using Dynamic Programming and CEC. IEEE Access, 2018, 6, 71110-71121.	4.2	11
21	On the Allocation of Computing Tasks under QoS Constraints in Hierarchical MEC Architectures. , 2019, , .		9
22	Online reinforcement learning for adaptive interference coordination. Transactions on Emerging Telecommunications Technologies, 2020, 31, e4087.	3.9	9
23	Online Optimization of Interference Coordination Parameters in Small Cell Networks. IEEE Transactions on Wireless Communications, 2017, 16, 6635-6647.	9.2	8
24	Data-Driven Configuration of Interference Coordination Parameters in HetNets. IEEE Transactions on Vehicular Technology, 2018, 67, 5174-5187.	6.3	8
25	Bandwidth Reservation as a Coexistence Strategy in Opportunistic Spectrum Access Environments. IEEE Journal on Selected Areas in Communications, 2014, 32, 478-488.	14.0	7
26	On the Optimal Identification of Tag Sets in Time-Constrained RFID Configurations. Sensors, 2011, 11, 2946-2960.	3.8	6
27	A Superprocess with Upper Confidence Bounds for Cooperative Spectrum Sharing. IEEE Transactions on Mobile Computing, 2016, 15, 2939-2953.	5.8	6
28	Using buffer management in 3G radio bearers to enhance end-to-end TCP performance. , 2006, , .		5
29	Analytical Computation of the Mean Number of Tag Identifications During a Time Interval in FSA. IEEE Communications Letters, 2014, 18, 1923-1926.	4.1	4
30	A Dynamic Programming Approach for Ambient Intelligence Platforms in Running Sports Based on Markov Decision Processes. Advances in Intelligent and Soft Computing, 2012, , 165-181.	0.2	4
31	Optimal scheduling in dual reader RFID environments. , 2011, , .		3
32	Performance analysis of optimal schedulers in single channel dense radio frequency identification environments. Eurasip Journal on Embedded Systems, 2013, 2013, .	1.2	3
33	Analysis of the Power Outage Effects in RFID. IEEE Communications Letters, 2017, 21, 306-309.	4.1	3
34	CSMA Multi-stage Anti-collision Protocol for Active RFID Systems. , 2010, , .		3
35	Analysis of Tag Loss Ratio in dynamic RFID systems. International Journal of RF Technologies: Research and Applications, 2010, 2, 135-154.	0.7	2
36	An effort control system for training elite team-sport athletes. , 2013, , .		2

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37	Conditions for rate stability in constrained RFID networks. , 2018, , .		2
38	LBTM: Listen-before-Talk Protocol for Multiclass UHF RFID Networks. Sensors, 2020, 20, 2313.	3.8	2
39	Using Design Patterns in a HSDPA System Simulator. , 2006, , .		1
40	A Control-Based Approach to Transport Channel Synchronization in UTRAN. IEEE Communications Letters, 2007, 11, 595-597.	4.1	1
41	Performance Evaluation of Multiple-Relay Cooperative ARQ Strategies for Mobile Networks. , 2009, , .		1
42	Using buffer management in 3G radio bearers to enhance end-to-end TCP performance. International Journal of Wireless and Mobile Computing, 2009, 3, 177.	0.2	1
43	Decision support in Aml sport environments. , 2011, , .		1
44	Multi-armed bandits with dependent arms for Cooperative Spectrum Sharing. , 2015, , .		1
45	A bivariate DTMC model of the RFID FSA reading process to study the continuous wave outage effect. , 2015, , .		1
46	Background detection of primary user activity in Opportunistic Spectrum Access. , 2015, , .		1
47	Contextual Bandit Approach for Energy Saving and Interference Coordination in HetNets. , 2018, , .		1
48	Optimal power stationary policies for synchronous queued RFID networks. , 2019, , .		1
49	LBTM: A LBT protocol for Ubiquitous Applications in Multi-class RFID Networks. , 2019, , .		1
50	Online model-based reinforcement learning for decision-making in long distance routes. Transportation Research, Part E: Logistics and Transportation Review, 2022, 164, 102790.	7.4	1
51	Improving TCP Performance over 3G Links with an ACK Rate Control Algorithm. , 2006, , .		0
52	Combining ACK rate control and AQM to enhance TCP performance over 3G links. , 2006, , .		0
53	Slope based discard. , 2006, , .		0
54	Development of a Cooperative Application for Sending SMS on WiFi Mobile Phones. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
55	Discrete-time control analysis of transport channel synchronization in 3G radio access networks. Computer Communications, 2009, 32, 1505-1514.	5.1	0
56	Passive Receiver Subsystems for Third Generation Cellular Networks. Wireless Personal Communications, 2012, 66, 717-738.	2.7	0
57	Optimal Scheduling in Single Channel Dense Reader RFID Environments. , 2012, , .		0
58	An MDP framework for centralized dynamic spectrum auction. , 2012, , .		0
59	Intervention framework for counteracting collusion in spectrum leasing systems. , 2014, , .		0
60	Combining dual tessellation and temporal opportunities for spectrum reuse in cellular systems. , 2014, , .		0
61	Response surface methodology for efficient spectrum reuse in cellular networks. , 2015, , .		0
62	Online learning for interference coordination in heterogeneous networks. , 2017, , .		0
63	Stability of Synchronous Queued RFID Networks. IEEE Access, 2019, 7, 148828-148842.	4.2	0
64	Performance Evaluation of AQM Schemes in Rate-Varying 3G Links. Lecture Notes in Computer Science, 2006, , 310-321.	1.3	0
65	ACK RATE CONTROL STRATEGY AT THE LINK LAYER TO ENHANCE TCP OVER 3G LINKS. , 2006, , .		0
66	Improving the Performance of DCH Timing Adjustment in 3G Networks. Lecture Notes in Computer Science, 2008, , 768-779.	1.3	0
67	PROBABILISTIC RETRANSMISSION STRATEGY FOR SINGLE-RELAY COOPERATIVE ARQ. , 2008, , .		0
68	Evaluation of Team-Sport Training Effort Control Systems. Advances in Intelligent Systems and Computing, 2014, , 337-355.	0.6	0