

# Raman Paranjape

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

389  
citations

1307594

7  
h-index

940533

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g-index

47  
all docs

47  
docs citations

47  
times ranked

451  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Residential Demand Response for Multiple Heterogeneous Homes With Real-Time Price Prediction in a Multiagent Framework. IEEE Transactions on Smart Grid, 2017, 8, 1173-1184.	9.0	99
2	Optimization of Handover Parameters for LTE/LTE-A in-Building Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 5260-5273.	6.3	34
3	An Evaluation of Electric Vehicle Penetration under Demand Response in a Multi-Agent Based Simulation. , 2014, , .		33
4	Stochastic Optimization for Residential Demand Response With Unit Commitment and Time of Use. IEEE Transactions on Industry Applications, 2021, 57, 1767-1778.	4.9	28
5	Smart home automation system for intrusion detection. , 2015, , .		24
6	Layered stochastic approach for residential demand response based on real-time pricing and incentive mechanism. IET Generation, Transmission and Distribution, 2020, 14, 423-431.	2.5	21
7	Multi-Agent Optimization for Residential Demand Response under Real-Time Pricing. Energies, 2019, 12, 2867.	3.1	16
8	The self-aware diabetic patient software agent model. Computers in Biology and Medicine, 2013, 43, 1900-1909.	7.0	12
9	Optimal scheduling algorithm for charging electric vehicle in a residential sector under demand response. , 2015, , .		12
10	Local Tuning of a Site-Specific Propagation Path Loss Model for Microcell Environments. Wireless Personal Communications, 2016, 91, 709-728.	2.7	11
11	Agent-Based Simulation of Healthcare for Type II Diabetes. , 2010, , .		8
12	Agent-based simulation of home energy management system in residential demand response. , 2014, , .		8
13	Precise 3D Positioning of a Robotic Arm Using a Single Camera and a Flat Mirror. International Journal of Optomechatronics, 2008, 2, 205-232.	6.6	7
14	A multi-agent system for course timetabling. Intelligent Decision Technologies, 2011, 5, 113-131.	0.9	7
15	Evaluating self-monitoring blood glucose strategies using a diabetic-patient software agent. , 2013, , .		7
16	4-DOF pose estimation of a pipe crawling robot using a Collimated Laser, a conic mirror, and a fish-eye camera. , 2014, , .		7
17	Walk test simulator for LTE/LTE-A network planning. , 2016, , .		6
18	A signal processing application for evaluating self-monitoring blood glucose strategies in a software agent model. Computer Methods and Programs in Biomedicine, 2015, 120, 77-87.	4.7	5

#	ARTICLE	IF	CITATIONS
19	Dynamic Analysis of Load Balancing Algorithms in LTE/LTE-A HetNets. <i>Wireless Personal Communications</i> , 2017, 96, 3297-3315.	2.7	5
20	A system model for university course timetabling using mobile agents. <i>Multiagent and Grid Systems</i> , 2006, 2, 267-275.	0.9	4
21	An agent-based simulation system for modelling a diabetic patient. <i>International Journal of Intelligent Information and Database Systems</i> , 2010, 4, 264.	0.3	4
22	Optimal Spatial Resolution of Omnidirectional Imaging Systems for Pipe Inspection Applications. <i>International Journal of Optomechatronics</i> , 2015, 9, 261-294.	6.6	4
23	A distributed load balancing algorithm for LTE/LTE-A heterogeneous networks. , 2015, , .		4
24	Evaluation of electric vehicle penetration in a residential sector under demand response considering both cost and convenience. , 2017, , .		4
25	Stochastic Optimization for Residential Demand Response under Time of Use. , 2020, , .		4
26	Estimation of coverage areas in microcells. , 2013, , .		3
27	A Distributed Optimal Load Control Model for Heterogeneous Homes Responding to Time of Use. , 2017, , .		3
28	Analysis of Acquired Indoor LTE-A Data from an Actual HetNet Cellular Deployment. <i>Wireless Personal Communications</i> , 2020, 114, 545-563.	2.7	2
29	Mobile agent strategies for the provision of public goods: An experimental study. <i>Electronic Commerce Research and Applications</i> , 2006, 5, 140-146.	5.0	1
30	Dynamic analysis and control of a robotic pipe crawler. , 2008, , .		1
31	Optimal Spatial Resolution in Catadioptric Sensors for Pipe Inspection Applications. , 2014, , .		1
32	A multi-agent system of evaluating residential demand response. , 2016, , .		1
33	Ultrasonic inspection of underwater guy wires with applications to floating oil platforms. , 2016, , .		1
34	Increasing Cell Throughput and Network Capacity in a Real-world HetNet Environment. , 2020, , .		1
35	A Fairness Guaranteed Dynamic PF scheduler in LTE-A Networks. , 2020, , .		1
36	Localization of a Team of Heterogeneous Robots for a Distributed Sensing Task. , 2006, , .		0

#	ARTICLE	IF	CITATIONS
37	An Agent Model of a Diabetic Patient. , 2007, , .		0
38	Leader-follower formation control for a team of mobile robots using an acoustic array. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	0
39	Optimal spatial resolution in vision-based inspection of pipes using Catadioptric sensors. , 2012, , .		0
40	A Dynamic User Interface for Transit Tracking Applications. , 2014, , .		0
41	The Diabetic Patient Agent. Intelligent Systems Reference Library, 2018, , .	1.2	0
42	The Ackerman Mathematical Model. Intelligent Systems Reference Library, 2018, , 15-22.	1.2	0
43	The Instrumentation of a Ride-on Car to Quantitatively Assess Performance and Progress for Children With Mobility Impairments. , 2019, , .		0
44	An Evaluation of the Proportional Fair Scheduler in a Physically Deployed LTE-A Network. , 2019, , .		0
45	Capacity optimization of an actual HetNet deployment with applications to 5G. , 2019, , .		0
46	Measurement and Analysis of Small Cell Splitting in a Real-world LTE-A HetNet. , 2020, , .		0