

Metin AġztA¹/₄rk

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

402
citations

932766

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1058022

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all docs

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docs citations

32
times ranked

335
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel deep learning driven, low-cost mobility prediction approach for 5G cellular networks: The case of the Control/Data Separation Architecture (CDSA). <i>Neurocomputing</i> , 2019, 358, 479-489.	3.5	63
2	DEKCS: A Dynamic Clustering Protocol to Prolong Underwater Sensor Networks. <i>IEEE Sensors Journal</i> , 2021, 21, 9457-9464.	2.4	51
3	A Survey of Machine Learning Applications to Handover Management in 5G and Beyond. <i>IEEE Access</i> , 2021, 9, 45770-45802.	2.6	44
4	Energy-Aware Smart Connectivity for IoT Networks: Enabling Smart Ports. <i>Wireless Communications and Mobile Computing</i> , 2018, 2018, 1-11.	0.8	30
5	Novel QoS-Aware Proactive Spectrum Access Techniques for Cognitive Radio Using Machine Learning. <i>IEEE Access</i> , 2019, 7, 70811-70827.	2.6	28
6	The Role of Artificial Intelligence Driven 5G Networks in COVID-19 Outbreak: Opportunities, Challenges, and Future Outlook. <i>Frontiers in Communications and Networks</i> , 2020, 1, .	1.9	28
7	Intelligent handover decision scheme using double deep reinforcement learning. <i>Physical Communication</i> , 2020, 42, 101133.	1.2	28
8	Non-Invasive Hydration Level Estimation in Human Body Using Galvanic Skin Response. <i>IEEE Sensors Journal</i> , 2020, 20, 4891-4900.	2.4	24
9	Energy Optimization in Ultra-Dense Radio Access Networks via Traffic-Aware Cell Switching. <i>IEEE Transactions on Green Communications and Networking</i> , 2021, 5, 832-845.	3.5	14
10	Q-Learning Assisted Energy-Aware Traffic Offloading and Cell Switching in Heterogeneous Networks. , 2019, , .		10
11	Mobility Management-Based Autonomous Energy-Aware Framework Using Machine Learning Approach in Dense Mobile Networks. <i>Signals</i> , 2020, 1, 170-187.	1.2	10
12	Introducing a Novel Minimum Accuracy Concept for Predictive Mobility Management Schemes. , 2018, , .		8
13	Clustering Based UAV Base Station Positioning for Enhanced Network Capacity. , 2020, , .		8
14	Reinforcement Learning driven Energy Efficient Mobile Communication and Applications. , 2019, , .		7
15	Coverage Analysis for Indoor-Outdoor Coexistence for Millimetre-Wave Communication. , 2019, , .		6
16	Handover Management in Dense Networks with Coverage Prediction from Sparse Networks. , 2019, , .		6
17	3D Transition Matrix Solution for a Path Dependency Problem of Markov Chains-Based Prediction in Cellular Networks. , 2017, , .		5
18	Improvement on the Performance of Predictive Handover Management by Setting a Threshold. , 2017, , .		5

#	ARTICLE	IF	CITATIONS
19	Reinforcement Learning Based Mobility Load Balancing with the Cell Individual Offset. , 2021, , .		5
20	A lightweight cell switching and traffic offloading scheme for energy optimization in ultra-dense heterogeneous networks. Physical Communication, 2022, 52, 101643.	1.2	4
21	Motion Sensor-Based Small Cell Sleep Scheduling for 5G Networks. , 2019, , .		3
22	Flexible SDN/NFV-based SON testbed for 5G mobile networks. , 2019, , .		3
23	Multi-Objective UAV Positioning Mechanism for Sustainable Wireless Connectivity in Environments with Forbidden Flying Zones. Algorithms, 2021, 14, 302.	1.2	2
24	Context-Aware Wireless Connectivity and Processing Unit Optimization for IoT Networks. IEEE Internet of Things Journal, 2022, 9, 16028-16043.	5.5	2
25	Revenue Maximization Through Cell Switching and Spectrum Leasing in 5G HetNets. IEEE Access, 2022, 10, 48301-48317.	2.6	2
26	Spectrum Cost Optimization for Cognitive Radio Transmission over TV White Spaces using Artificial Neural Networks. , 2019, , .		1
27	Load-Aware Cell Switching in Ultra-Dense Networks: An Artificial Neural Network Approach. , 2020, , .		1