

Michael Devetsikiotis

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

4,160
citations

686830

13
h-index

752256

20
g-index

66
all docs

66
docs citations

66
times ranked

4332
citing authors

#	ARTICLE	IF	CITATIONS
1	Blockchains and Smart Contracts for the Internet of Things. IEEE Access, 2016, 4, 2292-2303.	2.6	2,964
2	Electric Power Allocation in a Network of Fast Charging Stations. IEEE Journal on Selected Areas in Communications, 2013, 31, 1235-1246.	9.7	136
3	EV charging stations and modes: International standards. , 2014, , .		121
4	Wireless powered Public Safety IoT: A UAV-assisted adaptive-learning approach towards energy efficiency. Journal of Network and Computer Applications, 2018, 123, 69-79.	5.8	81
5	Unsplittable Load Balancing in a Network of Charging Stations Under QoS Guarantees. IEEE Transactions on Smart Grid, 2015, 6, 1292-1302.	6.2	73
6	Demand response control for PHEV charging stations by dynamic price adjustments. , 2012, , .		61
7	Jointly Optimizing Client Selection and Resource Management in Wireless Federated Learning for Internet of Things. IEEE Internet of Things Journal, 2022, 9, 4385-4395.	5.5	54
8	Post-Quantum Authentication in TLS 1.3: A Performance Study. , 2020, , .		54
9	A survey on next generation mobile WiMAX networks: objectives, features and technical challenges. IEEE Communications Surveys and Tutorials, 2009, 11, 3-18.	24.8	51
10	A Hierarchical Optimization Model for a Network of Electric Vehicle Charging Stations. Energies, 2017, 10, 675.	1.6	48
11	Local energy storage sizing in plug-in hybrid electric vehicle charging stations under blocking probability constraints. , 2011, , .		45
12	A Theoretical Discussion and Survey of Network Automation for IoT: Challenges and Opportunity. IEEE Internet of Things Journal, 2021, 8, 12021-12045.	5.5	34
13	A framework for designing and evaluating realistic blockchain-based local energy markets. Applied Energy, 2021, 281, 115963.	5.1	32
14	Decentralized control of electric vehicles in a network of fast charging stations. , 2013, , .		31
15	Unsupervised Crowd-Assisted Learning Enabling Location-Aware Facilities. IEEE Internet of Things Journal, 2018, 5, 4699-4713.	5.5	30
16	Enhancing the accuracy of iBeacons for indoor proximity-based services. , 2017, , .		26
17	Revenue Optimization Frameworks for Multi-Class PEV Charging Stations. IEEE Access, 2015, 3, 2140-2150.	2.6	24
18	Aggregated-DAG Scheduling for Job Flow Maximization in Heterogeneous Cloud Computing. , 2011, , .		22

#	ARTICLE	IF	CITATIONS
19	A blockchain-based mechanism for secure data exchange in smart grid protection systems. , 2020, , .		22
20	Optimal Power Allocation Under Communication Network Externalities. IEEE Transactions on Smart Grid, 2012, 3, 162-173.	6.2	21
21	Electric power resource provisioning for large scale public EV charging facilities. , 2013, , .		21
22	Profit-oriented resource allocation using online scheduling in flexible heterogeneous networks. Telecommunication Systems, 2006, 31, 289-303.	1.6	15
23	Flow classification using clustering and association rule mining. , 2010, , .		14
24	A Framework for Optimizing Measurement-Based Power Distribution under Communication Network Constraints. , 2010, , .		14
25	The future interaction between virtual aggregator-TSO-DSO to increase DG penetration. , 2015, , .		12
26	Social Distance Aware Resource Allocation in Wireless Networks. , 2009, , .		10
27	Enhancing Computing Power by Exploiting Underutilized Resources in the Community Cloud. , 2011, , .		10
28	A real-subject evaluation trial for location-aware smart buildings. , 2017, , .		10
29	Self-Adaptive Energy Efficient Operation in UAV-Assisted Public Safety Networks. , 2018, , .		10
30	Pricing and Measurement-based Optimal Resource Allocation in Next Generation Network Services. , 2007, , .		9
31	Optimal design of electric vehicle charging stations for commercial premises. International Journal of Energy Research, 2022, 46, 10040-10051.	2.2	8
32	Chunk and object level deduplication for web optimization: A hybrid approach. , 2012, , .		7
33	QRP01-2: Challenges in Service-Oriented Networking. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	6
34	A decentralized algorithm for optimal resource allocation in smartgrids with communication network externalities. , 2011, , .		6
35	Average delay SLAs in Cloud computing. , 2012, , .		6
36	Strategies for competing energy storage technologies for in DC fast charging stations. , 2012, , .		6

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37	Occupant tracking in smart facilities: An experimental study. , 2017, , .		6
38	Context-Aware Wireless-Protocol Selection in Heterogeneous Public Safety Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 2009-2013.	3.9	6
39	Aggregation Network Design Methodologies for Triple Play Services. , 2010, , .		5
40	Socio-Physical Energy-Efficient Operation in the Internet of Multipurpose Things. , 2018, , .		5
41	An algorithm for joint guidance and power control for electric vehicles in the smart grid. , 2012, , .		4
42	Optimal charging framework for electric vehicles on the wireless charging highway. , 2016, , .		4
43	Socio-spatial Resource Management in Wireless Powered Public Safety Networks. , 2018, , .		4
44	Cloud-Based Charging Management of Electric Vehicles in a Network of Charging Stations. , 2018, , .		4
45	Cloud-Based Charging Management of Heterogeneous Electric Vehicles in a Network of Charging Stations: Price Incentive Versus Capacity Expansion. IEEE Transactions on Services Computing, 2022, 15, 1693-1706.	3.2	4
46	Bandwidth Allocation in Self-Sizing Networks Under Uncertain Constraints. , 2006, , .		3
47	Extension and Comparison of QoS-Enabled Wi-Fi Models in the Presence of Errors. , 2007, , .		3
48	An apparatus for P2P classification in Netflow traces. , 2010, , .		2
49	A metamodeling approach for cross-layer optimization: A framework and application to Voice over WiFi. Simulation Modelling Practice and Theory, 2011, 19, 2117-2129.	2.2	2
50	Optimal Functionality Placement for Multiplay Service Provider Architectures. IEEE Transactions on Network and Service Management, 2012, 9, 359-372.	3.2	2
51	Interactive energy: An approach for the dynamic pricing and dispatching of EV charging service. , 2014, , .		2
52	Fast power charging strategy for EV/PHEV in parking campus with deployment of renewable energy. , 2014, , .		2
53	Modeling of user Quality of Experience in location aware smart spaces. , 2016, , .		2
54	Simulated Annealing Based Bandwidth Reservation for QoS Routing. , 2006, , .		1

#	ARTICLE	IF	CITATIONS
55	An Automatic Framework for Efficient Software Performance Evaluation and Optimization. , 2007, , .		1
56	Pricing in WiMAX Networks. , 0, , 69-84.		1
57	Performance modeling of virtual collaborative environments. , 2010, , .		1
58	Towards improved scalability in smart grid modeling: Simplifying generator dynamics analysis via spectral graph sparsification. , 2011, , .		1
59	Content-update process performance under energy saving schemes in mobile opportunistic networks. , 2011, , .		0
60	A content freshness enhancement with infrastructures in mobile opportunistic networks. , 2011, , .		0
61	Guest editorialâ€”special issue on service modeling and design for the future Internet. Journal of Internet Services and Applications, 2011, 2, 67-68.	1.6	0
62	Network Decomposition in Practice: An Application to Optimal Resource Allocation. , 2011, , .		0
63	Balancing network connectivity and the life-time of sensors through percolation and consensus. , 2012, , .		0
64	Modeling of managed resources in a location aware smart building. , 2016, , .		0