

Hermann De Meer

List of Publications by Year in descending order

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59
papers

2,583
citations

759233

12
h-index

395702

33
g-index

61
all docs

61
docs citations

61
times ranked

2169
citing authors

#	ARTICLE	IF	CITATIONS
1	Virtual Network Embedding: A Survey. IEEE Communications Surveys and Tutorials, 2013, 15, 1888-1906.	39.4	1,014
2	Energy Efficient Virtual Network Embedding. IEEE Communications Letters, 2012, 16, 756-759.	4.1	168
3	Performance tradeoffs of energy-aware virtual machine consolidation. Cluster Computing, 2013, 16, 481-496.	5.0	60
4	Distributed and scalable embedding of virtual networks. Journal of Network and Computer Applications, 2015, 56, 124-136.	9.1	38
5	Finite-source retrial queue with search for balking and impatient customers from the orbit. Computer Networks, 2009, 53, 1264-1273.	5.1	37
6	Optimal mapping of virtual networks with hidden hops. Telecommunication Systems, 2012, 51, 273-282.	2.5	36
7	Physical Intrusion Games—Optimizing Surveillance by Simulation and Game Theory. IEEE Access, 2017, 5, 8394-8407.	4.2	32
8	Analysis and model-based predictions of solar PV and battery adoption in Germany: an agent-based approach. Computer Science - Research and Development, 2017, 32, 211-223.	2.7	28
9	A simulation framework for Virtual Network Embedding algorithms. , 2014, , .		26
10	Virtualization of 802.11 interfaces for Wireless Mesh Networks. , 2011, , .		23
11	A distributed, parallel, and generic virtual network embedding framework. , 2013, , .		23
12	Software- Defined Networking as an Enabler for Future Industrial Network Management. , 2018, , .		23
13	Context-based wireless mesh networks: a case for network virtualization. Telecommunication Systems, 2012, 51, 259-272.	2.5	20
14	Generating Virtual Network Embedding Problems With Guaranteed Solutions. IEEE Transactions on Network and Service Management, 2016, 13, 504-517.	4.9	19
15	Distributed energy efficiency in future home environments. Annales Des Telecommunications/Annals of Telecommunications, 2008, 63, 473-485.	2.5	17
16	A NEW FINITE-SOURCE QUEUEING MODEL FOR MOBILE CELLULAR NETWORKS APPLYING SPECTRUM RENTING. Asia-Pacific Journal of Operational Research, 2014, 31, 1440004.	1.3	17
17	Wide-Area Virtual Machine Migration as Resilience Mechanism. , 2011, , .		16
18	Integration of Mobile Devices into Popular Peer-to-Peer Networks. , 2009, , .		12

#	ARTICLE	IF	CITATIONS
19	An energy consumption model for virtualized office environments. Future Generation Computer Systems, 2011, 27, 1047-1055.	7.5	12
20	Future Internet services and architectures: trends and visions. Telecommunication Systems, 2012, 51, 219-220.	2.5	12
21	Schedulability Analysis and GCL Computation for Time-Sensitive Networks. , 2019, , .		12
22	An Efficient Signcryption Protocol for Hop-by-Hop Data Aggregations in Smart Grids. IEEE Journal on Selected Areas in Communications, 2020, 38, 132-140.	14.0	12
23	A Novelty-Driven Approach to Intrusion Alert Correlation Based on Distributed Hash Tables. Proceedings - International Symposium on Computers and Communications, 2007, , .	0.0	11
24	Network virtualization in energy-efficient office environments. Computer Networks, 2010, 54, 2856-2868.	5.1	10
25	Position Paper: Secure Virtual Network Embedding. PIK - Praxis Der Informationsverarbeitung Und Kommunikation, 2011, 34, .	0.2	10
26	Scope of Security Properties of Sanitizable Signatures Revisited. , 2013, , .		10
27	Constructing Dependable Smart Grid Networks using Network Functions Virtualization. Journal of Network and Systems Management, 2016, 24, 449-469.	4.9	10
28	Comparing solar photovoltaic and battery adoption in Ontario and Germany: an agent-based approach. Energy Informatics, 2018, 1, .	2.3	10
29	A Heuristics-Based Policy to Reduce the Curtailment of Solar-Power Generation Empowered by Energy-Storage Systems. Electronics (Switzerland), 2018, 7, 349.	3.1	9
30	Network Slicing : An Industry Perspective. , 2019, , .		8
31	Green Data Centers. , 0, , 159-196.		8
32	Misbehavior Scenarios in Cognitive Radio Networks. Future Internet, 2010, 2, 212-237.	3.8	7
33	Towards Automated Processing of the Right of Access in Inter-organizational Web Service Compositions. , 2010, , .		7
34	Greensdas leveraging power adaption collaboration between energy provider and data centres. , 2013, , .		7
35	Flexibility Disaggregation under Forecast Conditions. , 2021, , .		7
36	Sustainable Energy Management in Data Centers through Collaboration. Lecture Notes in Computer Science, 2012, , 13-24.	1.3	7

#	ARTICLE	IF	CITATIONS
37	Critical Infrastructure Surveillance Using Secure Wireless Sensor Networks. Journal of Sensor and Actuator Networks, 2015, 4, 336-370.	3.9	6
38	Data centresâ€™ power profile selecting policies for Demand Response: Insights of Green Supply Demand Agreement. Ad Hoc Networks, 2015, 25, 581-594.	5.5	6
39	Combined contention and TDMA-based communication in wireless sensor networks. , 2012, , .		4
40	Surveillance and security: protecting electricity utilities and other critical infrastructures. Energy Informatics, 2018, 1, .	2.3	4
41	Modeling Security Requirements for VNE algorithms. , 2017, , .		4
42	DBvLEA: A Demand-Based Approach to Virtual Link Mapping for Multi-Service Industrial Applications. , 2019, , .		3
43	Application Topology-Aware Virtual Network Mapping and Service Provisioning in Programmable Networks. , 2019, , .		3
44	Integrating mobile cellular devices into popular peer-to-peer systems. Telecommunication Systems, 2011, 48, 173-184.	2.5	2
45	Quantifying IT Energy Efficiency. Advances in Computers, 2012, 87, 55-87.	1.6	2
46	Smart Grid Considerations: Energy Efficiency vs. Security. Advances in Computers, 2013, 88, 159-198.	1.6	2
47	Game-theoretic risk assessment in communication networks. , 2016, , .		2
48	A Model-based Time-to-Compromise Estimator to Assess the Security Posture of Vulnerable Networks. , 2019, , .		2
49	Policy-Based Composition and Embedding of Extended Virtual Networks and SFCs for IIoT. Algorithms, 2020, 13, 240.	2.1	2
50	Worst-Case Delay Slicing for Time-Sensitive Applications in Softwarized Industrial Networks. , 2020, , .		2
51	Virtual Energy Information Network: a resilience perspective. Elektrotechnik Und Informationstechnik, 2013, 130, 121-126.	1.1	1
52	Constraint-Based Virtualization of Industrial Networks. Springer Series in Reliability Engineering, 2016, , 567-586.	0.5	1
53	Virtualized Software Defined Buildings: a Key Enabler of The Future Smart Cities. , 2018, , .		1
54	Green Wired Networks. , 0, , 41-80.		1

#	ARTICLE	IF	CITATIONS
55	European Transactions on Telecommunication: Special Issue on P2P Networking and P2P Services. European Transactions on Telecommunications, 2004, 15, 507-509.	1.2	0
56	Reasoner-Based Flow Context Aggregation. , 2007, , .		0
57	ASPECTS: Agile spectrum security. , 2011, , .		0
58	Modeling Security Requirements for VNE Algorithms: A Practical Approach. EAI/Springer Innovations in Communication and Computing, 2019, , 165-179.	1.1	0
59	Greener Bits: Formal Analysis of Demand Response. Lecture Notes in Computer Science, 2016, , 323-339.	1.3	0