Steven Davy

List of Publications by Year
in descending order

31 papers	699 citations	1163117 8 h-index	940533 16 g-index
32 all docs	32 docs citations	32 times ranked	710 citing authors

#	Article	IF	Citations
1	Design and evaluation of algorithms for mapping and scheduling of virtual network functions. , 2015, , .		219
2	Topology-Aware Prediction of Virtual Network Function Resource Requirements. IEEE Transactions on Network and Service Management, 2017, 14, 106-120.	4.9	104
3	Challenges to support edge-as-a-service. , 2014, 52, 132-139.		43
4	The policy continuumâ€"Policy authoring and conflict analysis. Computer Communications, 2008, 31, 2981-2995.	5.1	42
5	The Design of a New Policy Model to Support Ontology-Driven Reasoning for Autonomic Networking. Journal of Network and Systems Management, 2009, 17, 5-32.	4.9	39
6	A connectionist approach to dynamic resource management for virtualised network functions. , 2016, , .		35
7	Server placement and assignment in virtualized radio access networks. , 2015, , .		33
8	The Design of a New Policy Model to Support Ontology-Driven Reasoning for Autonomic Networking. , 2007, , .		24
9	A Model Based Approach for Policy Tool Generation and Policy Analysis. , 2007, , .		22
10	The design of a novel context-aware policy model to support machine-based learning and reasoning. Cluster Computing, 2009, 12, 17-43.	5.0	21
11	Efficient Policy Conflict Analysis for Autonomic Network Management. , 2008, , .		19
12	Application domain independent policy conflict analysis using information models. , 2008, , .		15
13	Self-organising Management Overlays for Future Internet Services. Lecture Notes in Computer Science, 2008, , 74-89.	1.3	14
14	Policy-constrained bio-inspired processes for autonomic route management. Computer Networks, 2009, 53, 1666-1682.	5.1	11
15	Conflict Prevention Via Model-Driven Policy Refinement. Lecture Notes in Computer Science, 2006, , 209-220.	1.3	10
16	Policy Interactions and Management of Traffic Engineering Services Based on Ontologies. , 2007, , .		9
17	Towards an Information Model That Supports Service-Aware, Self-managing Virtual Resources. Lecture Notes in Computer Science, 2008, , 102-107.	1.3	8
18	Using an Information Model and Associated Ontology for Selection of Policies for Conflict Analysis. , 2008, , .		6

#	Article	IF	Citations
19	On harnessing information models and ontologies for policy conflict analysis. , 2009, , .		5
20	Conflict analysis during authoring of management policies for federations. , 2011, , .		5
21	Review and Designs of Federated Management in FutureÂInternet Architectures. Lecture Notes in Computer Science, 2011, , 51-66.	1.3	4
22	A Policy Authoring Process and DEN-ng Model Extension for Federation Governance. Lecture Notes in Computer Science, 2010, , 73-86.	1.3	2
23	A model based approach to autonomic management of virtual networks. , 2009, , .		1
24	Intrinsic monitoring within an IPv6 network: mapping node information to network paths. , 2010, , .		1
25	A service-centric orchestration protocol for self-organizing autonomic management systems. IEEE Network, 2011, 25, 16-23.	6.9	1
26	A Business-Oriented Management Framework for Mobile Communication Systems. Mobile Networks and Applications, 2012, 17, 479-491.	3.3	1
27	A Constrained Guess-Check Approach for Resource Allocation in the Robot Control System Design. Mechanisms and Machine Science, 2016, , 913-925.	0.5	1
28	Future Internet Management Platforms for Network Virtualisation and Service Clouds. Lecture Notes in Computer Science, 2010, , 235-237.	1.3	1
29	Preliminary Classification of Selected Farmland Habitats in Ireland Using Deep Neural Networks. Sensors, 2022, 22, 2190.	3.8	1
30	On Minimizing Network Wide Node Update Time. , 2010, , .		0
31	Collaborative Framework for Monitoring Reliability of Distributed Components of Composed Services. Lecture Notes in Computer Science, 2016, , 65-73.	1.3	0