

Judith Kelner

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

1,388
citations

623734

14
h-index

395702

33
g-index

104
all docs

104
docs citations

104
times ranked

1194
citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey on Internet Traffic Identification. IEEE Communications Surveys and Tutorials, 2009, 11, 37-52.	39.4	294
2	Resource allocation for distributed cloud: concepts and research challenges. IEEE Network, 2011, 25, 42-46.	6.9	161
3	Mires: a publish/subscribe middleware for sensor networks. Personal and Ubiquitous Computing, 2006, 10, 37-44.	2.8	129
4	Better network traffic identification through the independent combination of techniques. Journal of Network and Computer Applications, 2010, 33, 433-446.	9.1	79
5	High availability in clouds: systematic review and research challenges. Journal of Cloud Computing: Advances, Systems and Applications, 2016, 5, .	3.9	61
6	Deep packet inspection tools and techniques in commodity platforms: Challenges and trends. Journal of Network and Computer Applications, 2012, 35, 1863-1878.	9.1	40
7	When 5G Meets Deep Learning: A Systematic Review. Algorithms, 2020, 13, 208.	2.1	32
8	Photorealistic rendering for Augmented Reality: A global illumination and BRDF solution. , 2010, , .		31
9	Minimizing and Managing Cloud Failures. Computer, 2017, 50, 86-90.	1.1	29
10	CloudML: An Integrated Language for Resource, Service and Request Description for D-Clouds. , 2011, , .		24
11	Analyzing the IT subsystem failure impact on availability of cloud services. , 2017, , .		24
12	Service Function Chain Placement in Distributed Scenarios: A Systematic Review. Journal of Network and Systems Management, 2022, 30, 1.	4.9	24
13	A stratified traffic sampling methodology for seeing the big picture. Computer Networks, 2008, 52, 2677-2689.	5.1	18
14	Massively Parallel Nearest Neighbor Queries for Dynamic Point Clouds on the GPU. , 2009, , .		17
15	Nearest Neighbor Searches on the GPU. International Journal of Parallel Programming, 2012, 40, 313-330.	1.5	16
16	A middleware for industry. Computers in Industry, 2015, 71, 58-76.	9.9	16
17	Toy user interfaces: Systematic and industrial mapping. Journal of Systems Architecture, 2019, 97, 77-106.	4.3	16
18	Privacy in smart toys: Risks and proposed solutions. Electronic Commerce Research and Applications, 2020, 39, 100922.	5.0	16

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19	Characterizing signature sets for testing DPI systems. , 2011, , .		15
20	Understanding the Efficiency of kD-tree Ray-Traversal Techniques over a GPGPU Architecture. International Journal of Parallel Programming, 2012, 40, 331-352.	1.5	15
21	Design and optimizations for efficient regular expression matching in DPI systems. Computer Communications, 2015, 61, 103-120.	5.1	15
22	Deterministic Finite Automaton for scalable traffic identification: The power of compressing by range. , 2012, , .		14
23	How to Improve Cloud Services Availability? Investigating the Impact of Power and It Subsystems Failures. , 2018, , .		13
24	Evaluating the cooling subsystem availability on a Cloud data center. , 2017, , .		12
25	Approaches to resource reservation for migrating real-time sessions in future mobile wireless networks. Wireless Networks, 2010, 16, 39-56.	3.0	11
26	Altered reality: Augmenting and diminishing reality in real time. , 2011, , .		11
27	User Satisfaction through Empathy and Orientation in Three-Dimensional Worlds. Cyberpsychology, Behavior and Social Networking, 2002, 5, 451-459.	2.2	10
28	Convolutional Extreme Learning Machines: A Systematic Review. Informatics, 2021, 8, 33.	3.9	10
29	RPR-SORS: Real-time photorealistic rendering of synthetic objects into real scenes. Computers and Graphics, 2012, 36, 50-69.	2.5	9
30	Resource allocation based on redundancy models for high availability cloud. Computing (Vienna/New) Tj ETQq0 0 0,rgBT /Overlock 10 TF	4.8	9
31	A methodology to assess the availability of next-generation data centers. Journal of Supercomputing, 2019, 75, 6361-6385.	3.6	8
32	Availability-aware and energy-aware dynamic SFC placement using reinforcement learning. Journal of Supercomputing, 2021, 77, 12711-12740.	3.6	8
33	kD-Tree Traversal Implementations for Ray Tracing on Massive Multiprocessors: A Comparative Study. , 2009, , .		7
34	An adaptive-predictive architecture for video streaming servers. Journal of Network and Computer Applications, 2011, 34, 1683-1694.	9.1	7
35	HTR: A framework for interconnecting wireless heterogeneous devices. , 2012, , .		7
36	Usability Heuristics for Collaborative Augmented Reality Remote Systems. , 2014, , .		7

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37	Toy user interface designâ€”Tools for Childâ€”Computer Interaction. International Journal of Child-Computer Interaction, 2021, 30, 100307.	3.5	7
38	A Reliable Subcasting Protocol for Wireless Environments. Lecture Notes in Computer Science, 2000, , 174-185.	1.3	7
39	Autonomic Cloud Computing: Giving Intelligence to Simpleton Nodes. , 2011, , .		6
40	D-CRAS: Distributed cloud resource allocation system. , 2012, , .		6
41	A Standard to Rule Them All: Redfish. IEEE Communications Standards Magazine, 2019, 3, 36-43.	4.9	6
42	Standardization Efforts for Traditional Data Center Infrastructure Management: The Big Picture. IEEE Engineering Management Review, 2020, 48, 92-103.	1.3	6
43	Optimizing NFV placement for distributing micro-data centers in cellular networks. Journal of Supercomputing, 2021, 77, 8995-9019.	3.6	6
44	A High Performance Massively Parallel Approach for Real Time Deformable Body Physics Simulation. , 2008, , .		5
45	RPR-SORS: An Authoring Toolkit for Photorealistic AR. , 2011, , .		5
46	On the performance of heterogeneous MANETs. Wireless Networks, 2015, 21, 139-160.	3.0	5
47	Risk-based model for availability estimation of SAF redundancy models. , 2016, , .		5
48	Multi-Device Classification Model for Game Interaction Techniques. International Journal of Human-Computer Interaction, 2018, 34, 716-731.	4.8	5
49	Optimizing Resource Availability in Composable Data Center Infrastructures. , 2019, , .		5
50	Availability analysis of design configurations to compose virtual performanceâ€”optimized data center systems in nextâ€”generation cloud data centers. Software - Practice and Experience, 2020, 50, 805-826.	3.6	5
51	A New Mechanism for Collision Detection in Humanâ€”Robot Collaboration using Deep Learning Techniques. Journal of Control, Automation and Electrical Systems, 2022, 33, 406-418.	2.0	5
52	Non-personal Data Collection for Toy User Interfaces. , 2019, , .		5
53	Modeling and assessing an intelligent system for safety in human-robot collaboration using deep and machine learning techniques. Multimedia Tools and Applications, 2022, 81, 2213-2239.	3.9	5
54	An experimental investigation of Round-Trip Time and virtualization. Computer Communications, 2022, 184, 73-85.	5.1	5

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55	RIP – A robust IP access architecture. Computers and Security, 2009, 28, 359-380.	6.0	4
56	3D routing. , 2010, , .		4
57	Guitar Tuner and Song Performance Evaluation Using a NAO robot. , 2020, , .		4
58	Predicting short-term mobile Internet traffic from Internet activity using recurrent neural networks. International Journal of Network Management, 2022, 32, e2191.	2.2	4
59	An autonomous addressing mechanism as support for auto-configuration in dynamic networks. , 2009, , .		3
60	On the load balancing of virtual networks in distributed clouds. , 2013, , .		3
61	A look under the hood: Revealing performance issues in the DPI engine. , 2013, , .		3
62	Role-Based Self-Appointment for Autonomic Management of Resources. , 2014, , .		3
63	Multi-Factor Authentication with OpenId in Virtualized Environments. IEEE Latin America Transactions, 2017, 15, 528-533.	1.6	3
64	Measuring the impact of data center failures on a cloud-based emergency medical call system. Concurrency Computation Practice and Experience, 2019, 31, e5156.	2.2	3
65	Comparative Analysis of Current Transducers for Development of Smart Plug through Rank Order Centroid Method. IEEE Latin America Transactions, 2020, 18, 147-155.	1.6	3
66	Gripper Design for Radio Base Station Autonomous Maintenance System. International Journal of Automation and Computing, 2021, 18, 645-653.	4.5	3
67	Assessing Deep Learning Models for Human-Robot Collaboration Collision Detection in Industrial Environments. Lecture Notes in Computer Science, 2020, , 240-255.	1.3	3
68	The internet of things for healthcare: optimising e-health system availability in the fog and cloud. International Journal of Computational Science and Engineering, 2020, 21, 615.	0.5	3
69	Privacy enhanced mail design and implementation perspectives. Computer Communication Review, 1994, 24, 38-46.	1.8	2
70	FPGA infrastructure for the development of augmented reality applications. , 2007, , .		2
71	An On-Line Access Selection Algorithm for ABC Networks Supporting Elastic Services. , 2008, , .		2
72	A Global Illumination and BRDF Solution Applied to Photorealistic Augmented Reality. , 2009, , .		2

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73	Benchmarking of compressed DFAs for traffic identification: Decoupling data structures from models. , 2012, , .		2
74	Scissors â€“ A Precise Pointing Widget for Touch Screen Devices. Lecture Notes in Computer Science, 2014, , 184-192.	1.3	2
75	DCAV: A software system to evaluate nextâ€­generation cloud data center availability through a friendly graphical interface. Software - Practice and Experience, 2019, 49, 1573-1599.	3.6	2
76	Augmented Ambient: An Interactive Mobility Scenario. Lecture Notes in Computer Science, 2007, , 565-574.	1.3	2
77	Enhancement of radar based DEMs using 3D techniques. , 2007, , .		1
78	Geometric Modifications Applied to Real Elements in Augmented Reality. , 2011, , .		1
79	Experiences in Image-Based 3D Reconstruction of Underwater Environments. , 2013, , .		1
80	On the tuning of wireless heterogeneous routing. , 2013, , .		1
81	An Analytical View of Multiple CDNs Collaboration. , 2014, , .		1
82	A Multipath Extension for the Heterogeneous Technology Routing Protocol. Lecture Notes in Computer Science, 2014, , 15-28.	1.3	1
83	IoT4Fun rapid prototyping tools for Toy User Interfaces. Electronic Commerce Research and Applications, 2020, 44, 101009.	5.0	1
84	Aggregating data center measurements for availability analysis. Software - Practice and Experience, 2021, 51, 868-892.	3.6	1
85	Rbot: development of a robot-driven radio base station maintenance system. International Journal of Intelligent Robotics and Applications, 2022, 6, 270-287.	2.8	1
86	New Routing Paradigms for the Next Internet. International Federation for Information Processing, 2010, , 194-205.	0.4	1
87	Comparing Social Robot Embodiment for Child Musical Education. Journal of Intelligent and Robotic Systems: Theory and Applications, 2022, 105, .	3.4	1
88	An in-depth evaluation of bluetooth ad hoc networks. Teletraffic Science and Engineering, 2001, 4, 299-310.	0.4	0
89	Micromobility protocols performance in differentiated services networks. , 2003, , .		0
90	ProNet: A policy network environment. Annales Des Telecommunications/Annals of Telecommunications, 2004, 59, 70-87.	2.5	0

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91	OpenStereo. , 2007, , .		0
92	Special Section on Virtual Reality in Brazil. Computers and Graphics, 2011, 35, iii.	2.5	0
93	Aspects for untangling cross-layer design and policy support. International Journal of Communication Systems, 2013, 26, 1308-1326.	2.5	0
94	Designing Information for Mediated Reality Systems. Lecture Notes in Computer Science, 2014, , 647-658.	1.3	0
95	A Policy Management Framework Using Traffic Engineering in DiffServ Networks. Lecture Notes in Computer Science, 2001, , 331-345.	1.3	0
96	A Simple Performance Policy Management Environment. IFIP Advances in Information and Communication Technology, 2003, , 215-226.	0.7	0
97	Self-management of Live Streaming Application in Distributed Cloud Infrastructure. Lecture Notes in Computer Science, 2014, , 165-179.	1.3	0
98	Don't lose the point, check it: Is your cloud application using the right strategy. International Journal of Grid and Utility Computing, 2019, 10, 681.	0.2	0
99	How do checkpoint mechanisms and power infrastructure failures impact on cloud applications. International Journal of Grid and Utility Computing, 2020, 11, 615.	0.2	0
100	Human-Centered Design Tools for Smart Toys. Lecture Notes in Computer Science, 2020, , 327-343.	1.3	0
101	Self-addressing for Autonomous Networking Systems. , 0, , 150-178.		0
102	Experimental network performance evaluation for human-robot interaction collision detection using cameras. Research, Society and Development, 2022, 11, e8811830543.	0.1	0