

# 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 New Mechanism for Collision Detection in Human-Robot Collaboration using Deep Learning Techniques. Journal of Control, Automation and Electrical Systems, 2022, 33, 406-418.	2.0	5
2	Service Function Chain Placement in Distributed Scenarios: A Systematic Review. Journal of Network and Systems Management, 2022, 30, 1.	4.9	24
3	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
4	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
5	Predicting short-term mobile Internet traffic from Internet activity using recurrent neural networks. International Journal of Network Management, 2022, 32, e2191.	2.2	4
6	An experimental investigation of Round-Trip Time and virtualization. Computer Communications, 2022, 184, 73-85.	5.1	5
7	Comparing Social Robot Embodiment for Child Musical Education. Journal of Intelligent and Robotic Systems: Theory and Applications, 2022, 105, .	3.4	1
8	Experimental network performance evaluation for human-robot interaction collision detection using cameras. Research, Society and Development, 2022, 11, e8811830543.	0.1	0
9	Aggregating data center measurements for availability analysis. Software - Practice and Experience, 2021, 51, 868-892.	3.6	1
10	Optimizing NFV placement for distributing micro-data centers in cellular networks. Journal of Supercomputing, 2021, 77, 8995-9019.	3.6	6
11	Availability-aware and energy-aware dynamic SFC placement using reinforcement learning. Journal of Supercomputing, 2021, 77, 12711-12740.	3.6	8
12	Convolutional Extreme Learning Machines: A Systematic Review. Informatics, 2021, 8, 33.	3.9	10
13	Gripper Design for Radio Base Station Autonomous Maintenance System. International Journal of Automation and Computing, 2021, 18, 645-653.	4.5	3
14	Toy user interface design-Tools for Child-Computer Interaction. International Journal of Child-Computer Interaction, 2021, 30, 100307.	3.5	7
15	Resource allocation based on redundancy models for high availability cloud. Computing (Vienna/New) Tj ETQq1 1 0,784314 rgBT /Overl	4.8	9
16	Privacy in smart toys: Risks and proposed solutions. Electronic Commerce Research and Applications, 2020, 39, 100922.	5.0	16
17	IoT4Fun rapid prototyping tools for Toy User Interfaces. Electronic Commerce Research and Applications, 2020, 44, 101009.	5.0	1
18	When 5G Meets Deep Learning: A Systematic Review. Algorithms, 2020, 13, 208.	2.1	32

#	ARTICLE	IF	CITATIONS
19	Availability analysis of design configurations to compose virtual performance-optimized data center systems in next-generation cloud data centers. <i>Software - Practice and Experience</i> , 2020, 50, 805-826.	3.6	5
20	Standardization Efforts for Traditional Data Center Infrastructure Management: The Big Picture. <i>IEEE Engineering Management Review</i> , 2020, 48, 92-103.	1.3	6
21	Comparative Analysis of Current Transducers for Development of Smart Plug through Rank Order Centroid Method. <i>IEEE Latin America Transactions</i> , 2020, 18, 147-155.	1.6	3
22	Assessing Deep Learning Models for Human-Robot Collaboration Collision Detection in Industrial Environments. <i>Lecture Notes in Computer Science</i> , 2020, , 240-255.	1.3	3
23	Guitar Tuner and Song Performance Evaluation Using a NAO robot. , 2020, , .		4
24	How do checkpoint mechanisms and power infrastructure failures impact on cloud applications. <i>International Journal of Grid and Utility Computing</i> , 2020, 11, 615.	0.2	0
25	Human-Centered Design Tools for Smart Toys. <i>Lecture Notes in Computer Science</i> , 2020, , 327-343.	1.3	0
26	The internet of things for healthcare: optimising e-health system availability in the fog and cloud. <i>International Journal of Computational Science and Engineering</i> , 2020, 21, 615.	0.5	3
27	DCAV: A software system to evaluate next-generation cloud data center availability through a friendly graphical interface. <i>Software - Practice and Experience</i> , 2019, 49, 1573-1599.	3.6	2
28	A Standard to Rule Them All: Redfish. <i>IEEE Communications Standards Magazine</i> , 2019, 3, 36-43.	4.9	6
29	A methodology to assess the availability of next-generation data centers. <i>Journal of Supercomputing</i> , 2019, 75, 6361-6385.	3.6	8
30	Measuring the impact of data center failures on a cloud-based emergency medical call system. <i>Concurrency Computation Practice and Experience</i> , 2019, 31, e5156.	2.2	3
31	Optimizing Resource Availability in Composable Data Center Infrastructures. , 2019, , .		5
32	Toy user interfaces: Systematic and industrial mapping. <i>Journal of Systems Architecture</i> , 2019, 97, 77-106.	4.3	16
33	Non-personal Data Collection for Toy User Interfaces. , 2019, , .		5
34	Don't lose the point, check it: Is your cloud application using the right strategy. <i>International Journal of Grid and Utility Computing</i> , 2019, 10, 681.	0.2	0
35	Multi-Device Classification Model for Game Interaction Techniques. <i>International Journal of Human-Computer Interaction</i> , 2018, 34, 716-731.	4.8	5
36	How to Improve Cloud Services Availability? Investigating the Impact of Power and It Subsystems Failures. , 2018, , .		13

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37	Multi-Factor Authentication with OpenId in Virtualized Environments. IEEE Latin America Transactions, 2017, 15, 528-533.	1.6	3
38	Minimizing and Managing Cloud Failures. Computer, 2017, 50, 86-90.	1.1	29
39	Evaluating the cooling subsystem availability on a Cloud data center. , 2017, , .		12
40	Analyzing the IT subsystem failure impact on availability of cloud services. , 2017, , .		24
41	Risk-based model for availability estimation of SAF redundancy models. , 2016, , .		5
42	High availability in clouds: systematic review and research challenges. Journal of Cloud Computing: Advances, Systems and Applications, 2016, 5, .	3.9	61
43	Design and optimizations for efficient regular expression matching in DPI systems. Computer Communications, 2015, 61, 103-120.	5.1	15
44	A middleware for industry. Computers in Industry, 2015, 71, 58-76.	9.9	16
45	On the performance of heterogeneous MANETs. Wireless Networks, 2015, 21, 139-160.	3.0	5
46	Designing Information for Mediated Reality Systems. Lecture Notes in Computer Science, 2014, , 647-658.	1.3	0
47	An Analytical View of Multiple CDNs Collaboration. , 2014, , .		1
48	Role-Based Self-Appointment for Autonomic Management of Resources. , 2014, , .		3
49	Scissors " A Precise Pointing Widget for Touch Screen Devices. Lecture Notes in Computer Science, 2014, , 184-192.	1.3	2
50	Usability Heuristics for Collaborative Augmented Reality Remote Systems. , 2014, , .		7
51	A Multipath Extension for the Heterogeneous Technology Routing Protocol. Lecture Notes in Computer Science, 2014, , 15-28.	1.3	1
52	Self-management of Live Streaming Application in Distributed Cloud Infrastructure. Lecture Notes in Computer Science, 2014, , 165-179.	1.3	0
53	Aspects for untangling cross-layer design and policy support. International Journal of Communication Systems, 2013, 26, 1308-1326.	2.5	0
54	Experiences in Image-Based 3D Reconstruction of Underwater Environments. , 2013, , .		1

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55	On the load balancing of virtual networks in distributed clouds. , 2013, , .		3
56	On the tuning of wireless heterogeneous routing. , 2013, , .		1
57	A look under the hood: Revealing performance issues in the DPI engine. , 2013, , .		3
58	Benchmarking of compressed DFAs for traffic identification: Decoupling data structures from models. , 2012, , .		2
59	HTR: A framework for interconnecting wireless heterogeneous devices. , 2012, , .		7
60	D-CRAS: Distributed cloud resource allocation system. , 2012, , .		6
61	Deterministic Finite Automaton for scalable traffic identification: The power of compressing by range. , 2012, , .		14
62	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
63	Nearest Neighbor Searches on the GPU. International Journal of Parallel Programming, 2012, 40, 313-330.	1.5	16
64	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
65	RPR-SORS: Real-time photorealistic rendering of synthetic objects into real scenes. Computers and Graphics, 2012, 36, 50-69.	2.5	9
66	Altered reality: Augmenting and diminishing reality in real time. , 2011, , .		11
67	CloudML: An Integrated Language for Resource, Service and Request Description for D-Clouds. , 2011, , .		24
68	Geometric Modifications Applied to Real Elements in Augmented Reality. , 2011, , .		1
69	RPR-SORS: An Authoring Toolkit for Photorealistic AR. , 2011, , .		5
70	Autonomic Cloud Computing: Giving Intelligence to Simpleton Nodes. , 2011, , .		6
71	Resource allocation for distributed cloud: concepts and research challenges. IEEE Network, 2011, 25, 42-46.	6.9	161
72	An adaptive-predictive architecture for video streaming servers. Journal of Network and Computer Applications, 2011, 34, 1683-1694.	9.1	7

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73	Special Section on Virtual Reality in Brazil. Computers and Graphics, 2011, 35, iii.	2.5	0
74	Characterizing signature sets for testing DPI systems. , 2011, , .		15
75	Approaches to resource reservation for migrating real-time sessions in future mobile wireless networks. Wireless Networks, 2010, 16, 39-56.	3.0	11
76	Better network traffic identification through the independent combination of techniques. Journal of Network and Computer Applications, 2010, 33, 433-446.	9.1	79
77	3D routing. , 2010, , .		4
78	Photorealistic rendering for Augmented Reality: A global illumination and BRDF solution. , 2010, , .		31
79	New Routing Paradigms for the Next Internet. International Federation for Information Processing, 2010, , 194-205.	0.4	1
80	An autonomous addressing mechanism as support for auto-configuration in dynamic networks. , 2009, , .		3
81	RIP â€“ A robust IP access architecture. Computers and Security, 2009, 28, 359-380.	6.0	4
82	A Survey on Internet Traffic Identification. IEEE Communications Surveys and Tutorials, 2009, 11, 37-52.	39.4	294
83	kD-Tree Traversal Implementations for Ray Tracing on Massive Multiprocessors: A Comparative Study. , 2009, , .		7
84	Massively Parallel Nearest Neighbor Queries for Dynamic Point Clouds on the GPU. , 2009, , .		17
85	A Global Illumination and BRDF Solution Applied to Photorealistic Augmented Reality. , 2009, , .		2
86	A stratified traffic sampling methodology for seeing the big picture. Computer Networks, 2008, 52, 2677-2689.	5.1	18
87	A High Performance Massively Parallel Approach for Real Time Deformable Body Physics Simulation. , 2008, , .		5
88	An On-Line Access Selection Algorithm for ABC Networks Supporting Elastic Services. , 2008, , .		2
89	Enhancement of radar based DEMs using 3D techniques. , 2007, , .		1
90	OpenStereo. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
91	FPGA infrastructure for the development of augmented reality applications. , 2007, , .		2
92	Augmented Ambient: An Interactive Mobility Scenario. Lecture Notes in Computer Science, 2007, , 565-574.	1.8	2
93	Mires: a publish/subscribe middleware for sensor networks. Personal and Ubiquitous Computing, 2006, 10, 37-44.	2.8	129
94	ProNet: A policy network environment. Annales Des Telecommunications/Annals of Telecommunications, 2004, 59, 70-87.	2.5	0
95	Micromobility protocols performance in differentiated services networks. , 2003, , .		0
96	A Simple Performance Policy Management Environment. IFIP Advances in Information and Communication Technology, 2003, , 215-226.	0.7	0
97	User Satisfaction through Empathy and Orientation in Three-Dimensional Worlds. Cyberpsychology, Behavior and Social Networking, 2002, 5, 451-459.	2.2	10
98	An in-depth evaluation of bluetooth ad hoc networks. Teletraffic Science and Engineering, 2001, 4, 299-310.	0.4	0
99	A Policy Management Framework Using Traffic Engineering in DiffServ Networks. Lecture Notes in Computer Science, 2001, , 331-345.	1.3	0
100	A Reliable Subcasting Protocol for Wireless Environments. Lecture Notes in Computer Science, 2000, , 174-185.	1.3	7
101	Privacy enhanced mail design and implementation perspectives. Computer Communication Review, 1994, 24, 38-46.	1.8	2
102	Self-addressing for Autonomous Networking Systems. , 0, , 150-178.		0