Michele C Weigle

List of Publications by Year
in descending order

101 papers	1,911 citations	623574 14 h-index	414303 32 g-index
105 all docs	105 docs citations	105 times ranked	1408 citing authors

#	Article	IF	Citations
1	Providing VANET security through active position detection. Computer Communications, 2008, 31, 2883-2897.	3.1	267
2	Security challenges in vehicular cloud computing. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 284-294.	4.7	216
3	Tmix. Computer Communication Review, 2006, 36, 65-76.	1.5	108
4	TDMA cluster-based MAC for VANETs (TC-MAC). , 2012, , .		77
5	CASCADE: Cluster-Based Accurate Syntactic Compression of Aggregated Data in VANETs. , 2008, , .		71
6	Providing location security in vehicular Ad Hoc networks. IEEE Wireless Communications, 2009, 16, 48-55.	6.6	65
7	How much of the web is archived?. , 2011, , .		61
8	Highway mobility and vehicular ad-hoc networks in ns-3. , 2010, , .		57
9	Dynamic Adaptation of Joint Transmission Power and Contention Window in VANET. , 2009, , .		47
10	p-IVG: Probabilistic Inter-Vehicle Geocast for Dense Vehicular Networks. , 2009, , .		44
11	Profiling web archive coverage for top-level domain and content language. International Journal on Digital Libraries, 2014, 14, 149-166.	1.1	35
12	Not all mementos are created equal: measuring the impact of missing resources. International Journal on Digital Libraries, 2015, 16, 283-301.	1.1	29
13	Optimizing Energy Consumption in Terahertz Band Nanonetworks. IEEE Journal on Selected Areas in Communications, 2014, 32, 2432-2441.	9.7	28
14	Providing VANET security through active position detection. , 2007, , .		27
15	Delay-based early congestion detection and adaptation in TCP: impact on web performance. Computer Communications, 2005, 28, 837-850.	3.1	26
16	NOTICE: An Architecture for the Notification of Traffic Incidents. IEEE Vehicular Technology Conference, 2008, , .	0.2	26
17	Securing Vehicular Ad-hoc Networks Against Malicious Drivers: A Probabilistic Approach. , 2011, , .		26
18	Access patterns for robots and humans in web archives. , 2013, , .		24

#	Article	IF	Citations
19	DRIH-MAC: A Distributed Receiver-Initiated Harvesting-Aware MAC for Nanonetworks. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2015, 1, 97-110.	1.4	24
20	SmartParking: A Secure and Intelligent Parking System Using NOTICE. , 2008, , .		23
21	ASH: Application-aware SWANS with highway mobility. , 2008, , .		21
22	Who and what links to the Internet Archive. International Journal on Digital Libraries, 2014, 14, 101-115.	1.1	21
23	The impact of JavaScript on archivability. International Journal on Digital Libraries, 2016, 17, 95-117.	1.1	21
24	Using vehicular networks to collect common traffic data. , 2009, , .		20
25	Performance of Competing High-Speed TCP Flows. Lecture Notes in Computer Science, 2006, , 476-487.	1.0	19
26	Accurate data aggregation for VANETs. , 2007, , .		18
27	RIH-MAC. , 2014, , .		18
28	Optimizing CASCADE data aggregation for VANETs. , 2008, , .		17
29	Visualizing digital collections at archive-it. , 2012, , .		16
30	Impact of 802.11e EDCA on mixed TCP-based applications. , 2006, , .		15
31	A Novel Approach to Reduce Traffic Chaos in Emergency and Evacuation Scenarios. Vehicular Technology Conference-Fall (VTC-FALL), Proceedings, IEEE, 2007, , .	0.0	15
32	Using DTMon to monitor transient flow traffic. , 2010, , .		14
33	Optimizing communication energy consumption in perpetual wireless nanosensor networks. , 2013, , .		14
34	On the Change in Archivability of Websites Over Time. Lecture Notes in Computer Science, 2013, , 35-47.	1.0	14
35	Monitoring free flow traffic using vehicular networks. , 2011, , .		13
36	A modified TC-MAC protocol for multi-hop cluster communications in VANETs. , 2013, , .		13

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#	Article	IF	Citations
37	Generating Stories From Archived Collections. , 2017, , .		13
38	InterPlanetary Wayback: Peer-To-Peer Permanence of Web Archives. Lecture Notes in Computer Science, 2016, , 411-416.	1.0	12
39	Not all mementos are created equal: Measuring the impact of missing resources. , 2014, , .		11
40	Energy Harvesting in Electromagnetic Nanonetworks. Computer, 2017, 50, 59-67.	1.2	11
41	NIDS: Neural Network based Intrusion Detection System. , 2018, , .		11
42	Mining the Web to approximate university rankings. Information Discovery and Delivery, 2018, 46, 173-183.	1.6	11
43	Cross-layer location verification enhancement in vehicular networks. , 2010, , .		10
44	Cooperative Collision Warning through mobility and probability prediction. , 2010, , .		10
45	WARCreate. , 2012, , .		10
46	On aggregating information in actor networks. Mobile Computing and Communications Review, 2014, 18, 85-96.	1.7	9
47	How Well Are Arabic Websites Archived?. , 2015, , .		9
48	Bootstrapping Web Archive Collections from Social Media. , 2018, , .		9
49	Detecting off-topic pages within TimeMaps in Web archives. International Journal on Digital Libraries, 2016, 17, 203-221.	1.1	8
50	A Framework for Aggregating Private and Public Web Archives. , 2018, , .		8
51	Scraping SERPs for Archival Seeds. , 2018, , .		8
52	Profiling Web Archive Coverage for Top-Level Domain and Content Language. Lecture Notes in Computer Science, 2013, , 60-71.	1.0	8
53	Improving Confidence in Network Simulations. , 2006, , .		7
54	Intelligent Highway Infrastructure for Planned Evacuations. Performance, Computing and Communications Conference (IPCCC), IEEE International, 2007, , .	0.0	7

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55	Multicast Encryption Infrastructure for Security in Sensor Networks. International Journal of Distributed Sensor Networks, 2009, 5, 139-157.	1.3	7
56	A novel parking service using wireless networks. , 2009, , .		7
57	Local Memory Project: Providing Tools to Build Collections of Stories for Local Events from Local Sources. , 2017, , .		7
58	Client-Side Reconstruction of Composite Mementos Using ServiceWorker. , 2017, , .		7
59	Archive Assisted Archival Fixity Verification Framework. , 2019, , .		7
60	Social Cards Probably Provide For Better Understanding Of Web Archive Collections. , 2019, , .		7
61	A Traffic Chaos Reduction Approach for Emergency Scenarios. Performance, Computing and Communications Conference (IPCCC), IEEE International, 2007, , .	0.0	6
62	Peer-to-peer file sharing in VANETs using TC-MAC. , 2013, , .		6
63	The Archival Acid Test: Evaluating archive performance on advanced HTML and JavaScript. , 2014, , .		6
64	Archival Crawlers and JavaScript: Discover More Stuff but Crawl More Slowly. , 2017, , .		6
65	Who and What Links to the Internet Archive. Lecture Notes in Computer Science, 2013, , 346-357.	1.0	6
66	Strategies for Sensor Data Aggregation in Support of Emergency Response. , 2014, , .		5
67	Characteristics of social media stories. International Journal on Digital Libraries, 2016, 17, 239-256.	1.1	5
68	Comparing the Archival Rate of Arabic, English, Danish, and Korean Language Web Pages. ACM Transactions on Information Systems, 2018, 36, 1-34.	3.8	5
69	Impact of URI Canonicalization on Memento Count. , 2017, , .		5
70	Unobtrusive and Extensible Archival Replay Banners Using Custom Elements. , 2018, , .		5
71	Interoperability for Accessing Versions of Web Resources with the Memento Protocol. , 2021, , 101-126.		5
72	Where Did the Web Archive Go?. Lecture Notes in Computer Science, 2021, , 73-84.	1.0	5

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73	Profiling Web Archival Voids for Memento Routing. , 2021, , .		5
74	Replaying Archived Twitter: When your bird is broken, will it bring you down?. , 2021, , .		5
75	<title>Experiments in best-effort multimedia networking for a distributed virtual environment</title>. , 2000, 4312, 88.		4
76	Mink: Integrating the live and archived web viewing experience using web browsers and memento. , 2014, , .		4
77	ArchiveNow. , 2018, , .		4
78	Towards an optimized and secure cascade for data aggregation in vanets. , 2008, , .		4
79	Quantifying the effects of recent protocol improvements to standards-track TCP. , 0, , .		3
80	Generalized stochastic performance models for loss-based congestion control. Computer Communications, 2010, 33, 513-525.	3.1	3
81	Toward aggregating time-discounted information. , 2013, , .		3
82	Hypercane. SIGWEB Newsletter: the Newsletter of ACM's Special Interest Group on Hypertext and Hypermedia, 2021, , 1-14.	0.5	3
83	Hypercane: Intelligent Sampling for Web Archive Collections. , 2021, , .		3
84	Towards Building Asset Registry in Emergency Response. , 2014, , .		2
85	Mobile Mink. , 2015, , .		2
86	Energy Harvesting in Nanonetworks. Modeling and Optimization in Science and Technologies, 2017, , 319-347.	0.7	2
87	Quantifying Orphaned Annotations in Hypothes.is. Lecture Notes in Computer Science, 2015, , 15-27.	1.0	2
88	Leveraging Heritrix and the Wayback Machine on a Corporate Intranet: A Case Study on Improving Corporate Archives. D-Lib Magazine, 2016, 22, .	0.5	2
89	A Method for Identifying Personalized Representations in the Archives. D-Lib Magazine, 2013, 19, .	0.5	2
90	It's All About The Cards: Sharing on Social Media Encouraged HTML Metadata Growth. , 2021, , .		2

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91	Quantifying the effects of recent protocol improvements to TCP: Impact on Web performance. Computer Communications, 2006, 29, 2853-2866.	3.1	1
92	Highlights: IEEE ITS Society Technical Committee on Mobile Communications Networks for ITS [Technical Committees]. IEEE Intelligent Transportation Systems Magazine, 2012, 4, 33-35.	2.6	1
93	A Retasking Framework for Wireless Sensor Networks. , 2014, , .		1
94	WAIL: Collection-Based Personal Web Archiving. , 2017, , .		1
95	Garbage, Glitter, or Gold: Assigning Multi-Dimensional Quality Scores to Social Media Seeds for Web Archive Collections. , 2021, , .		1
96	GEN05-6: Assessing the Impact of Multiple Active Queue Management Routers. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	0
97	Optimal Layout of Multicast Groups Using Network Embedded Multicast Security in Ad Hoc Sensor Networks. International Journal of Distributed Sensor Networks, 2007, 3, 273-287.	1.3	0
98	A framework for assessing the quality of event detection in sensor networks. , 2013, , .		0
99	Introduction to the focused issue on the 2016 ACM/IEEE-CS Joint Conference on Digital Libraries JCDL 2016. International Journal on Digital Libraries, 2019, 20, 285-285.	1.1	0
100	Hybrid Intrusion Detection System for Worm Attacks Based on Their Network Behavior. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 225-234.	0.2	0
101	Making Recommendations from Web Archives for. , 2020, , .		0