Octav Chipara

List of Publications by Year
in descending order

48 papers	1,196 citations	1039880 9 h-index	752573 20 g-index
48 all docs	48 docs citations	48 times ranked	932 citing authors

#	Article	IF	Citations
1	Real-time Power-Aware Routing in Sensor Networks. IEEE International Workshop on Quality of Service, 2006, , .	0.0	244
2	Reliable clinical monitoring using wireless sensor networks. , 2010, , .		172
3	Characteristics of Real-World Signal to Noise Ratios and Speech Listening Situations of Older Adults With Mild to Moderate Hearing Loss. Ear and Hearing, 2018, 39, 293-304.	1.0	107
4	A component-based architecture for power-efficient media access control in wireless sensor networks. , 2007, , .		101
5	Robust topology control for indoor wireless sensor networks. , 2008, , .		65
6	Real-Time Query Scheduling for Wireless Sensor Networks. , 2007, , .		55
7	Efficacy and Effectiveness of Advanced Hearing Aid Directional and Noise Reduction Technologies for Older Adults With Mild to Moderate Hearing Loss. Ear and Hearing, 2019, 40, 805-822.	1.0	52
8	Dynamic Conflict-free Query Scheduling for Wireless Sensor Networks. , 2006, , .		33
9	APE: an annotation language and middleware for energy-efficient mobile application development. , 2014, , .		32
10	Dynamic Conflict-Free Transmission Scheduling for Sensor Network Queries. IEEE Transactions on Mobile Computing, 2011, 10, 734-748.	3.9	30
11	Interference-Aware Real-Time Flow Scheduling for Wireless Sensor Networks. , 2011, , .		28
12	Real-Time Query Scheduling for Wireless Sensor Networks. IEEE Transactions on Computers, 2013, 62, 1850-1865.	2.4	26
13	Practical modeling and prediction of radio coverage of indoor sensor networks. , 2010, , .		22
14	WIISARD. , 2012, , .		20
15	A Flexible Retransmission Policy for Industrial Wireless Sensor Actuator Networks. , 2018, , .		19
16	AudioSense: Enabling real-time evaluation of hearing aid technology in-situ. , 2013, 2013, 167-172.		18
17	REWIMO. ACM Transactions on Sensor Networks, 2017, 13, 1-42.	2.3	18
18	The Influence of Forced Social Isolation on the Auditory Ecology and Psychosocial Functions of Listeners With Cochlear Implants During COVID-19 Mitigation Efforts. Ear and Hearing, 2021, 42, 20-28.	1.0	17

#	Article	IF	Citations
19	Evaluating Auditory Contexts and Their Impacts on Hearing Aid Outcomes with Mobile Phones. , 2014, , .		16
20	Towards unified radio power management for wireless sensor networks. Wireless Communications and Mobile Computing, 2009, 9, 313-323.	0.8	13
21	Predicting three-month and 12-month post-fitting real-world hearing-aid outcome using pre-fitting acceptable noise level (ANL). International Journal of Audiology, 2016, 55, 285-294.	0.9	13
22	Mobility-aware real-time scheduling for low-power wireless networks. , 2016, , .		11
23	Secure Scalable Disaster Electronic Medical Record and Tracking System. Prehospital and Disaster Medicine, 2013, 28, 498-501.	0.7	10
24	Managing the Energy-Delay Tradeoff in Mobile Applications with Tempus. , 2015, , .		8
25	Test-Retest Reliability of Ecological Momentary Assessment in Audiology Research. Journal of the American Academy of Audiology, 2020, 31, 599-612.	0.4	8
26	Why Ecological Momentary Assessment Surveys Go Incomplete: When It Happens and How It Impacts Data. Journal of the American Academy of Audiology, 2021, 32, 016-026.	0.4	8
27	Indoor Particulate Matter From Smoker Homes Induces Bacterial Growth, Biofilm Formation, and Impairs Airway Antimicrobial Activity. A Pilot Study. Frontiers in Public Health, 2019, 7, 418.	1.3	7
28	Comparison of In-Situ and Retrospective Self-Reports on Assessing Hearing Aid Outcomes. Journal of the American Academy of Audiology, 2020, 31, 746-762.	0.4	6
29	GPS predicts stability of listening environment characteristics in one location over time among older hearing aid users. International Journal of Audiology, 2021, 60, 328-340.	0.9	5
30	MobiQuery. , 2004, , .		4
31	Common Configurations of Real-Ear Aided Response Targets Prescribed by NAL-NL2 for Older Adults With Mild-to-Moderate Hearing Loss. American Journal of Audiology, 2020, 29, 460-475.	0.5	4
32	Recorp: Receiver-oriented Policies for Industrial Wireless Networks. ACM Transactions on Sensor Networks, 2021, 17, 1-32.	2.3	3
33	Personalizing over-the-counter hearing aids using pairwise comparisons. Smart Health, 2022, 23, 100231.	2.0	3
34	Secure scalable disaster electronic medical record and tracking system. , 2011, , .		2
35	In-Situ Measurement and Prediction of Hearing Aid Outcomes Using Mobile Phones. , 2015, , .		2
36	Real-time communication in low-power mobile wireless networks. , 2016, , .		2

#	Article	IF	Citations
37	Assessing the performance of hearing aids using surveys and audio data collected in situ. , 2017, , .		2
38	Workload Shaping Energy Optimizations with Predictable Performance for Mobile Sensing. , 2018, , .		2
39	Continuous in-home PM2.5 concentrations of smokers with and without a history of respiratory exacerbations in Iowa, during and after an air purifier intervention. Journal of Exposure Science and Environmental Epidemiology, 2020, 30, 778-784.	1.8	2
40	GRAPEVINE. , 2012, , .		1
41	GRAPEVINE. Mobile Computing and Communications Review, 2013, 17, 61-70.	1.7	1
42	CSense: A stream-processing toolkit for robust and high-rate mobile sensing applications. , 2014, , .		1
43	PHASER â€" A Phase-Shifting Antenna for Low-Power Directional Communication. , 2017, , .		1
44	Recorp: Receiver-Oriented Policies for Industrial Wireless Networks. , 2020, , .		1
45	WARP. , 2021, , .		1
46	Towards predictable wireless cyber-physical applications. ACM SIGBED Review, 2008, 5, 1-2.	1.8	0
47	Static memory management for efficient mobile sensing applications. , 2015, , .		0
48	From Schedules to Programs â€" Reimagining Networking Infrastructure for Future Cyber-Physical Systems. , 2021, , .		0