Ulf Kulau

List of Publications by Year
in descending order

30	220	1684188 5	1372567 10
papers	citations	h-index	g-index

30	30	30	154
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Architecture and evaluation of INGA an inexpensive node for general applications. , 2012, , .		30
2	Comparison and validation of capacitive accelerometers for health care applications. Computer Methods and Programs in Biomedicine, 2012, 106, 79-88.	4.7	28
3	Undervolting in WSNs: Theory and Practice. IEEE Internet of Things Journal, 2015, 2, 190-198.	8.7	19
4	Dynamic sample rate adaptation for long-term IoT sensing applications. , 2016, , .		19
5	INBED: A Highly Specialized System for Bed-Exit-Detection and Fall Prevention on a Geriatric Ward. Sensors, 2019, 19, 1017.	3.8	19
6	Undervolting in Real World WSN Applications: A Long-Term Study. , 2016, , .		14
7	IdealVolting. ACM Transactions on Sensor Networks, 2016, 12, 1-38.	3.6	13
8	A Feasibility Study on Energy Harvesting from Soil Temperature Differences. , 2018, , .		10
9	A Precise, Parallel and Scalable Measurement System for Ballistocardiographic Research. Smart Health, 2021, 19, 100169.	3.2	8
10	Demo: A Node's Life -- Increasing WSN Lifetime by Dynamic Voltage Scaling. , 2013, , .		7
11	Energy efficiency impact of transient node failures when using RPL. , 2017, , .		7
12	HeartBeat the Odds. , 2017, , .		7
13	A Node's Life: Increasing WSN Lifetime by Dynamic Voltage Scaling. , 2013, , .		6
14	Wireless Compose-2: A wireless communication network with a Ballistocardiography Smart-Shirt experiment in the ISS Columbus module. , 2021, , .		6
15	Undervolting in WSNs — A feasibility analysis. , 2014, , .		5
16	AWuR: An Adaptive Routing Protocol for Energy Efficient Two-Platform Nodes in Wireless DTNs. , 2017, , .		3
17	Investigation & Mitigation of the Energy Efficiency Impact of Node Resets in RPL. Ad Hoc Networks, 2021, 114, 102417.	5.5	3
18	A High-Performance Data Processing Unit for Next Generation Satellite Transceivers. , 2020, , .		3

#	Article	IF	Citations
19	ns-3-leo: Evaluation Tool for Satellite Swarm Communication Protocols. IEEE Access, 2022, 10, 11527-11537.	4.2	3
20	Towards Accurate Bit Error Simulation in Wireless Sensor Networks Including Environmental Influences. Journal of Computer Science and Technology, 2020, 35, 809-824.	1.5	2
21	Wireless Sensor Network for Fall Prevention on Geriatric Wards: A Report. Studies in Health Technology and Informatics, 2019, 264, 620-624.	0.3	2
22	First Feasibility Analysis of Ballistocardiography on a Passenger Flight. Studies in Health Technology and Informatics, 2019, 264, 1648-1649.	0.3	2
23	A Wireless Communication Network With a Ballistocardiography Experiment on the ISS: Scenario, Components and Preflight Demonstration. IEEE Journal of Radio Frequency Identification, 2022, 6, 258-268.	2.3	2
24	How Different Transceiver Hardware Effects Concurrent Transmissions in WSNs. , 2018, , .		1
25	The HPDPUâ€"High-Performance Data Processing Unit for Future Satellite Communication Systems. IEEE Journal of Radio Frequency Identification, 2021, 5, 278-286.	2.3	1
26	A clustering-based characteristic model for unreliable Sensor Network data. , 2015, , .		0
27	REAPer — Adaptive Micro-Source Energy-Harvester for Wireless Sensor Nodes. , 2017, , .		0
28	Course: Energy Efficiency in Embedded Systems â€“ A System-Level Perspective for Computer Scientists. , 2018, , .		0
29	Poster: SCARABÂ² - Scalable, Robust and Adaptive on Board Ballistocardiography. , 2018, , .		0
30	Towards modular and scalable on-board computer architecture. IT - Information Technology, 2021, 63, 185-197.	0.9	0