Josiah Hester

List of Publications by Year
in descending order

42 papers	1,068 citations	1478505 6 h-index	1588992 8 g-index
46 all docs	46 docs citations	46 times ranked	436 citing authors

#	Article	IF	Citations
1	AdaSens: Adaptive Environment Monitoring by Coordinating Intermittently-Powered Sensors. , 2022, , .		1
2	Battery-free MakeCode. , 2022, 6, 1-35.		7
3	ActiSight: Wearer Foreground Extraction Using a Practical RGB-Thermal Wearable. , 2022, , .		5
4	WARio: efficient code generation for intermittent computing. , 2022, , .		4
5	REHASH. , 2021, 5, 1-42.		20
6	Battery-Free Game Boy. GetMobile (New York, N Y), 2021, 25, 22-26.	1.0	1
7	FaceBit. , 2021, 5, 1-44.		19
8	Reliable Timekeeping for Intermittent Computing. , 2020, , .		57
9	Time-sensitive Intermittent Computing Meets Legacy Software. , 2020, , .		56
10	NeckSense. , 2020, 4, 1-26.		47
11	Battery-Free Game Boy. , 2020, 4, 1-34.		51
12	BFree. , 2020, 4, 1-39.		13
13	To Mask or Not to Mask?. , 2019, 3, 1-29.		19
14	Counting Bites With Bits: Expert Workshop Addressing Calorie and Macronutrient Intake Monitoring. Journal of Medical Internet Research, 2019, 21, e14904.	4.3	19
15	On the Accuracy of Network Synchronization Using Persistent Hourglass Clocks. , 2019, , .		0
16	Batteries not included. Xrds, 2019, 26, 23-27.	0.3	7
17	Experience. , 2019, 2019, .		13
18	Backing out of backscatter for intermittent wireless networks. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
19	Holistic Energy Management with Î¼Processor Co-Optimization in Fully Integrated Battery-Less IoTs. , 2018, , .		1
20	Making sense of intermittent energy harvesting. , 2018, , .		7
21	InK. , 2018, , .		79
22	Feasibility of multi-tenancy on intermittent power. , 2018, , .		3
23	The Energy Harvesting Mode Abstraction. , 2018, , .		1
24	Realistic and Repeatable Emulation of Energy Harvesting Environments. ACM Transactions on Sensor Networks, 2017, 13, 1-33.	3.6	13
25	Deploying Data-Driven Security Solutions on Resource-Constrained Wearable IoT Systems. , 2017, , .		7
26	Remote and Wireless Long-term Vibration Monitoring of Historic Monuments. Procedia Engineering, 2017, 199, 3302-3307.	1.2	10
27	Personalized Medicine in the Wearable Era. , 2017, , .		1
28	The Future of Sensing is Batteryless, Intermittent, and Awesome. , 2017, , .		111
29	Flicker. , 2017, , .		83
30	Timely Execution on Intermittently Powered Batteryless Sensors. , 2017, , .		116
31	Amulet. , 2016, , .		46
32	Persistent Clocks for Batteryless Sensing Devices. Transactions on Embedded Computing Systems, 2016, 15, 1-28.	2.9	53
33	Realistic Simulation for Tiny Batteryless Sensors. , 2016, , .		19
34	Shoulder Angel: An Open Platform for Reprogramming Wayward Wireless Sensors. IEEE Embedded Systems Letters, 2016, 8, 73-76.	1.9	1
35	The Amulet Wearable Platform. , 2016, , .		1
36	Tragedy of the Coulombs. , 2015, , .		75

#	Article	IF	Citations
37	Classroom Uses for BeSocratic. Human-computer Interaction Series, 2015, , 127-136.	0.6	8
38	Sophisticated Sensing on Transient Power. , 2015, , .		0
39	Ekho. , 2014, , .		33
40	Ekho. , 2014, , .		36
41	uRespond: iPad as Interactive, Personal Response System. Journal of Chemical Education, 2014, 91, 357-363.	2.3	16
42	Enabling sustainable sensing in adverse environments. , 2013, , .		2