Ganapati Bhat

List of Publications by Year
in descending order

		933447	996975
28 papers	**454** citations	**10** h-index	**15** g-index
29 all docs	**29** docs citations	**29** times ranked	**350** citing authors

#	Article	IF	Citations
1	Algorithmic Optimization of Thermal and Power Management for Heterogeneous Mobile Platforms. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2018, 26, 544-557.	3.1	64
2	w-HAR: An Activity Recognition Dataset and Framework Using Low-Power Wearable Devices. Sensors, 2020, 20, 5356.	3.8	47
3	DyPO. Transactions on Embedded Computing Systems, 2017, 16, 1-20.	2.9	46
4	Online human activity recognition using low-power wearable devices. , 2018, , .		40
5	Dynamic Resource Management of Heterogeneous Mobile Platforms via Imitation Learning. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2019, 27, 2842-2854.	3.1	39
6	OpenHealth: Open-Source Platform for Wearable Health Monitoring. IEEE Design and Test, 2019, 36, 27-34.	1.2	29
7	An Ultra-Low Energy Human Activity Recognition Accelerator for Wearable Health Applications. Transactions on Embedded Computing Systems, 2019, 18, 1-22.	2.9	26
8	Energy per Operation Optimization for Energy-Harvesting Wearable IoT Devices. Sensors, 2020, 20, 764.	3.8	24
9	An Energy-aware Online Learning Framework for Resource Management in Heterogeneous Platforms. ACM Transactions on Design Automation of Electronic Systems, 2020, 25, 1-26.	2.6	20
10	Near-optimal energy allocation for self-powered wearable systems. , 2017, , .		15
11	Power-Temperature Stability and Safety Analysis for Multiprocessor Systems. Transactions on Embedded Computing Systems, 2017, 16, 1-19.	2.9	13
12	Power and Thermal Analysis of Commercial Mobile Platforms: Experiments and Case Studies. , 2019, , .		10
13	Online Solar Energy Prediction for Energy-Harvesting Internet of Things Devices. , 2021, , .		10
14	*MGait* : Model-Based Gait Analysis Using Wearable Bend and Inertial Sensors. ACM Transactions on Internet of Things, 2022, 3, 1-24.	4.6	10
15	ECO: Enabling Energy-Neutral IoT Devices Through Runtime Allocation of Harvested Energy. IEEE Internet of Things Journal, 2022, 9, 4833-4848.	8.7	8
16	Analysis and Control of Power–Temperature Dynamics in Heterogeneous Multiprocessors. IEEE Transactions on Control Systems Technology, 2021, 29, 329-341.	5.2	6
17	Online learning for adaptive optimization of heterogeneous SoCs. , 2018, , .		5
18	REAP. , 2019, , .		5

#	ARTICLE	IF	CITATIONS
19	Learning Pareto-Frontier Resource Management Policies for Heterogeneous SoCs: An Information-Theoretic Approach. , 2021, , .		5
20	Multi-objective design optimization for flexible hybrid electronics. , 2016, , .		4
21	DIET: A Dynamic Energy Management Approach for Wearable Health Monitoring Devices. , 2022, , .		4
22	Special Session: Physically Flexible Devices for Health and Activity Monitoring: Challenges from Design to Test. , 2020, , .		3
23	Robust Human Activity Recognition Using Generative Adversarial Imputation Networks. , 2022, , .		3
24	Optimized Stress Testing for Flexible Hybrid Electronics Designs. , 2019, , .		2
25	Voltage-Frequency Domain Optimization for Energy-Neutral Wearable Health Devices. Sensors, 2020, 20, 5255.	3.8	2
26	Energy-Optimal Gesture Recognition using Self-Powered Wearable Devices. , 2018, , .		1
27	Determining Mechanical Stress Testing Parameters for FHE Designs with Low Computational Overhead. IEEE Design and Test, 2020, 37, 35-41.	1.2	1
28	Per-Core Power Modeling for Heterogenous SoCs. Electronics (Switzerland), 2021, 10, 2428.	3.1	1