

# Ganapati Bhat

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

454  
citations

933447

10  
h-index

996975

15  
g-index

29  
all docs

29  
docs citations

29  
times ranked

350  
citing authors

#	ARTICLE	IF	CITATIONS
1	ECO: Enabling Energy-Neutral IoT Devices Through Runtime Allocation of Harvested Energy. IEEE Internet of Things Journal, 2022, 9, 4833-4848.	8.7	8
2	<i>MGait</i> : Model-Based Gait Analysis Using Wearable Bend and Inertial Sensors. ACM Transactions on Internet of Things, 2022, 3, 1-24.	4.6	10
3	Robust Human Activity Recognition Using Generative Adversarial Imputation Networks. , 2022, , .		3
4	DIET: A Dynamic Energy Management Approach for Wearable Health Monitoring Devices. , 2022, , .		4
5	Analysis and Control of Powerâ€“Temperature Dynamics in Heterogeneous Multiprocessors. IEEE Transactions on Control Systems Technology, 2021, 29, 329-341.	5.2	6
6	Online Solar Energy Prediction for Energy-Harvesting Internet of Things Devices. , 2021, , .		10
7	Per-Core Power Modeling for Heterogenous SoCs. Electronics (Switzerland), 2021, 10, 2428.	3.1	1
8	Learning Pareto-Frontier Resource Management Policies for Heterogeneous SoCs: An Information-Theoretic Approach. , 2021, , .		5
9	Voltage-Frequency Domain Optimization for Energy-Neutral Wearable Health Devices. Sensors, 2020, 20, 5255.	3.8	2
10	w-HAR: An Activity Recognition Dataset and Framework Using Low-Power Wearable Devices. Sensors, 2020, 20, 5356.	3.8	47
11	Special Session: Physically Flexible Devices for Health and Activity Monitoring: Challenges from Design to Test. , 2020, , .		3
12	Determining Mechanical Stress Testing Parameters for FHE Designs with Low Computational Overhead. IEEE Design and Test, 2020, 37, 35-41.	1.2	1
13	Energy per Operation Optimization for Energy-Harvesting Wearable IoT Devices. Sensors, 2020, 20, 764.	3.8	24
14	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
15	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
16	An Ultra-Low Energy Human Activity Recognition Accelerator for Wearable Health Applications. Transactions on Embedded Computing Systems, 2019, 18, 1-22.	2.9	26
17	Power and Thermal Analysis of Commercial Mobile Platforms: Experiments and Case Studies. , 2019, , .		10
18	Optimized Stress Testing for Flexible Hybrid Electronics Designs. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
19	REAP. , 2019, , .		5
20	OpenHealth: Open-Source Platform for Wearable Health Monitoring. IEEE Design and Test, 2019, 36, 27-34.	1.2	29
21	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
22	Energy-Optimal Gesture Recognition using Self-Powered Wearable Devices. , 2018, , .		1
23	Online human activity recognition using low-power wearable devices. , 2018, , .		40
24	Online learning for adaptive optimization of heterogeneous SoCs. , 2018, , .		5
25	Power-Temperature Stability and Safety Analysis for Multiprocessor Systems. Transactions on Embedded Computing Systems, 2017, 16, 1-19.	2.9	13
26	Near-optimal energy allocation for self-powered wearable systems. , 2017, , .		15
27	DyPO. Transactions on Embedded Computing Systems, 2017, 16, 1-20.	2.9	46
28	Multi-objective design optimization for flexible hybrid electronics. , 2016, , .		4