

Ryan Robucci

List of Publications by Year in descending order

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25
papers

174
citations

1684188

5
h-index

1372567

10
g-index

25
all docs

25
docs citations

25
times ranked

197
citing authors

#	ARTICLE	IF	CITATIONS
1	RestEaze: An Emerging Technology to Characterize Leg Movements During Sleep. Journal of Medical Devices, Transactions of the ASME, 2022, 16, .	0.7	2
2	Pilot study: can machine learning analyses of movement discriminate between leg movements in sleep (LMS) with vs. without cortical arousals?. Sleep and Breathing, 2021, 25, 373-379.	1.7	4
3	Instruction Sequence Identification and Disassembly Using Power Supply Side-Channel Analysis. IEEE Transactions on Computers, 2020, 69, 1639-1653.	3.4	4
4	Side-Channel Power Resistance for Encryption Algorithms Using Implementation Diversity. Cryptography, 2020, 4, 13.	2.3	5
5	A resilient framework for sensor-based attacks on cyber-physical systems using trust-based consensus and self-triggered control. Control Engineering Practice, 2020, 101, 104509.	5.5	12
6	RestEaZe: Low-power accurate sleep monitoring using a wearable multi-sensor ankle band. Smart Health, 2020, 16, 100113.	3.2	13
7	Implementation-Based Design Fingerprinting for Robust IC Fraud Detection. Journal of Hardware and Systems Security, 2019, 3, 426-439.	1.3	0
8	Integrating end-user feedback in the concept stage of development of a novel sensor access system for environmental control. Disability and Rehabilitation: Assistive Technology, 2018, 13, 366-372.	2.2	2
9	Design-Based Fingerprinting Using Side-Channel Power Analysis for Protection Against IC Piracy. , 2018, , .		1
10	Fiscal: Firmware identification using side-channel power analysis. , 2017, , .		9
11	PreSight: Enabling Real-Time Detection of Accessibility Problems on Sidewalks. , 2017, , .		3
12	Cross-Level Detection Framework for Attacks on Cyber-Physical Systems. Journal of Hardware and Systems Security, 2017, 1, 356-369.	1.3	5
13	Cross-level Detection of Sensor-based Deception Attacks on Cyber-Physical Systems. , 2017, , .		4
14	LastStep. , 2016, , .		0
15	Micro-radar wearable respiration monitor. , 2016, , .		4
16	Event-Driven Low-Power Gesture Recognition Using Differential Capacitance. IEEE Sensors Journal, 2016, 16, 4955-4967.	4.7	20
17	Adaptive and Personalized Gesture Recognition Using Textile Capacitive Sensor Arrays. IEEE Transactions on Multi-Scale Computing Systems, 2015, 1, 62-75.	2.4	25
18	Transient current estimation using S3C (Standard cell current transient characterization). , 2015, , .		0

#	ARTICLE	IF	CITATIONS
19	Estimation of dynamic current waveforms using pre-characterization of standard cells. , 2015, , .		1
20	Inviz: Low-power personalized gesture recognition using wearable textile capacitive sensor arrays. , 2015, , .		29
21	Demo abstract: Inviz: Low-power personalized gesture recognition using wearable textile capacitive sensor arrays. , 2015, , .		1
22	Post-layout estimation of side-channel power supply signatures. , 2015, , .		5
23	Simulation Based Framework for Accurately Estimating Dynamic Power-Supply Noise and Path Delay. Journal of Electronic Testing: Theory and Applications (JETTA), 2014, 30, 125-147.	1.2	6
24	Scalable dynamic technique for accurately predicting power-supply noise and path delay. , 2013, , .		11
25	Estimating Power Supply Noise and its impact on path delay. , 2012, , .		8