

# Massimo Conti

## List of Publications by Year in descending order

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116  
papers

819  
citations

759233

12  
h-index

752698

20  
g-index

123  
all docs

123  
docs citations

123  
times ranked

533  
citing authors

#	ARTICLE	IF	CITATIONS
1	EVO-NFC: Extra Virgin Olive Oil Traceability Using NFC Suitable for Small-Medium Farms. IEEE Access, 2022, 10, 20345-20356.	4.2	13
2	Overview of the Low Complexity Enhancement Video Coding (LCEVC) Standard. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 7983-7995.	8.3	9
3	Staged management of cardiac disease and concomitant early lung cancer: a 20-year single-center experience. European Journal of Cardio-thoracic Surgery, 2021, 59, 610-616.	1.4	2
4	Medication adherence supported by mHealth and NFC. Informatics in Medicine Unlocked, 2021, 23, 100552.	3.4	5
5	An Exploratory Study of the Policies and Legislative Perspectives on the End-of-Life of Lithium-Ion Batteries from the Perspective of Producer Obligation. Sustainability, 2021, 13, 11154.	3.2	7
6	Food Traceability in Fruit and Vegetables Supply Chain. , 2020, , .		5
7	EV Smart Charging with Advance Reservation Extension to the OCPP Standard. Energies, 2020, 13, 3263.	3.1	10
8	Methodology for Modeling and Comparing Video Codecs: HEVC, EVC, and VVC. Electronics (Switzerland), 2020, 9, 1579.	3.1	8
9	Uncertainty Quantification of Lithium-Ion Batteries with Polynomial Chaos. , 2020, , .		0
10	Modeling of Failure Probability for Reliability and Component Reuse of Electric and Electronic Equipment. Energies, 2020, 13, 2843.	3.1	10
11	Modular Design of Electronic Appliances for Reliability Enhancement in a Circular Economy Perspective. Lecture Notes in Electrical Engineering, 2020, , 51-63.	0.4	1
12	Experimental Analysis of Battery Management System Algorithms of Li-ion Batteries. Lecture Notes in Electrical Engineering, 2019, , 221-233.	0.4	0
13	Home Hospital e-Health Centers for Barrier-Free and Cross-Border Telemedicine. Smart Innovation, Systems and Technologies, 2019, , 307-316.	0.6	1
14	Chamberlin State-Variable Filter Structure in FPGA for Musical Applications. Lecture Notes in Electrical Engineering, 2019, , 469-475.	0.4	0
15	Cloud-based sustainable management of electrical and electronic equipment from production to end-of-life. International Journal of Quality and Reliability Management, 2019, 36, 98-119.	2.0	18
16	Performance analysis of an indoor and outdoor real time localization system. , 2019, , .		2
17	From Microelectronics to Nanoelectronics: Fifty Years of Advancements in Electronics. , 2019, , 1-22.		0
18	SystemC/TLM Controller for Efficient NAND Flash Management in Electronic Musical Instruments. Electronics (Switzerland), 2018, 7, 75.	3.1	1

#	ARTICLE	IF	CITATIONS
19	Cell Battery Emulator for Hardware-in-the-Loop BMS Test. , 2018, , .		8
20	Electric Vehicles Charging Reservation Based on OCPP. , 2018, , .		9
21	A Review of Health Monitoring Systems Using Sensors on Bed or Cushion. Lecture Notes in Computer Science, 2018, , 347-358.	1.3	12
22	HW platform for BMS algorithm validation. , 2018, , .		1
23	Pattern recognition techniques and classification sets supporting behavioural tagging when using a limited number of body sensors. IFMBE Proceedings, 2018, , 924-927.	0.3	0
24	An Energy Harvester Interface for Self-Powered Wireless Speed Sensor. IEEE Sensors Journal, 2017, 17, 1097-1104.	4.7	16
25	Statistical characterization of lithium-ion batteries using SystemC-WMS. , 2017, , .		2
26	FPGA implementation of JPEG encoder architectures for wireless networks. Eurasip Journal on Embedded Systems, 2017, 2017, , .	1.2	2
27	NFC-Based Traceability in the Food Chain. Sustainability, 2017, 9, 1910.	3.2	53
28	Lithium-ion Battery Electrothermal Model, Parameter Estimation, and Simulation Environment. Energies, 2017, 10, 375.	3.1	32
29	Real Time Localization Using Bluetooth Low Energy. Lecture Notes in Computer Science, 2017, , 584-595.	1.3	4
30	Design and energetic analysis of a self-powered Bluetooth low energy speed sensor. , 2016, , .		2
31	Fall Detection Using Wearable Accelerometers and Smartphone. Lecture Notes in Electrical Engineering, 2016, , 299-311.	0.4	1
32	Piezoelectric Energy Harvesting on Running Shoes. Lecture Notes in Electrical Engineering, 2016, , 91-107.	0.4	2
33	Battery Management System (BMS) simulation environment for electric vehicles. , 2016, , .		27
34	Energy estimation in SystemC with Powersim. The Integration VLSI Journal, 2016, 55, 118-128.	2.1	8
35	State of Charge Monitor for Wireless Sensor Networks. Lecture Notes in Electrical Engineering, 2016, , 65-78.	0.4	0
36	Transaction-level power analysis of VLSI digital systems. The Integration VLSI Journal, 2015, 50, 116-126.	2.1	13

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37	Energy-Aware task scheduler for self-powered sensor nodes: From model to firmware. Ad Hoc Networks, 2015, 24, 73-91.	5.5	10
38	Low Power Fall Detection System. IFMBE Proceedings, 2015, , 897-901.	0.3	2
39	Active role of a NFC enabled smartphone in EV-EVSE charging process. , 2014, , .		7
40	A SystemC Bluetooth network simulator. , 2014, , .		1
41	SystemC-WMS: wave mixed signal simulator for non-linear heterogeneous systems. International Journal of Embedded Systems, 2014, 6, 277.	0.3	7
42	Near Field Communication Technology for AAL. , 2014, , 33-42.		1
43	Dynamic OSR dithered sigma-delta modulation in solid state light dimming. International Journal of Circuit Theory and Applications, 2013, 41, 387-395.	2.0	10
44	Energy harvesting with piezoelectric applied on shoes. Proceedings of SPIE, 2013, , .	0.8	10
45	A micropower supervisor for wireless nodes with a digital pulse frequency modulator battery monitor. , 2013, , .		2
46	Protocol-level noise analysis of networked systems based on simulation/analytical approach. Proceedings of SPIE, 2013, , .	0.8	1
47	Selected Papers from the Symposium on Integrated Circuits and Systems Design (SBCCI 2011). International Journal of Reconfigurable Computing, 2013, 2013, 1-2.	0.2	0
48	Performance analysis of 802.15.4 wireless standard. , 2011, , .		4
49	SystemC modelling of wireless communication channel. , 2011, , .		1
50	Wireless videosurveillance over 802.15.4. , 2011, , .		0
51	System-level energy estimation with Powersim. , 2011, , .		15
52	Dynamic oversampling ratio sigma-delta modulation for the control of switching power converter. , 2011, , .		1
53	A Sigma-Delta Controlled Power Converter for Energy Harvesting Applications. Lecture Notes in Electrical Engineering, 2011, , 257-270.	0.4	3
54	Power Analysis of Embedded Systems. Lecture Notes in Electrical Engineering, 2011, , 301-314.	0.4	1

#	ARTICLE	IF	CITATIONS
55	A Multiprocessor Platform for Efficient Data Processing in Electronic Musical Instruments. Lecture Notes in Electrical Engineering, 2011, , 121-133.	0.4	0
56	DC-AC power converter using sigma-delta modulation. , 2010, , .		2
57	Design refinement for the development of an audio dynamic range controller. , 2010, , .		0
58	Performance analysis of JPEG 2000 over 802.15.4 wireless image sensor network. , 2010, , .		4
59	Power Optimization in Multi-Core System-on-Chip. Embedded Multi-core Systems, 2010, , 71-109.	0.1	4
60	Smart Wireless Image Sensors for Video Surveillance. Lecture Notes in Electrical Engineering, 2009, , 3-16.	0.4	2
61	Traction Control System for Motorcycles. Eurasip Journal on Embedded Systems, 2009, 2009, 1-10.	1.2	7
62	Dynamic power management of network-on-chip. Proceedings of SPIE, 2009, , .	0.8	0
63	Dynamic OSR "controller for monolithic switching converters. , 2009, , .		3
64	Performance analysis of mixed communication architectures: bus and network-on-chip. Proceedings of SPIE, 2009, , .	0.8	0
65	Digital Open-Loop Control of a Piezoelectric Valve for Household Appliances. Lecture Notes in Electrical Engineering, 2009, , 189-202.	0.4	0
66	Real Time Implementation of Fuzz-Face Electric Guitar Effect. Lecture Notes in Electrical Engineering, 2009, , 89-100.	0.4	0
67	A traction control system for motocross and supermotard. , 2008, , .		6
68	Transaction Level Modeling and Performance Analysis in SystemC of IEEE 802.15.4 Wireless Standard. , 2008, , .		2
69	WirelessUSB &#150; Performance Analysis of an Embedded System in a Peer-to-Peer Application. , 2008, , .		0
70	System Level Modelling of RF IC in SystemC-WMS. Eurasip Journal on Embedded Systems, 2008, 2008, 371768.	1.2	11
71	Bluetooth Baseband power analysis with PKtool. , 2007, , .		0
72	Dynamic power management of a system on chip based on AMBA AHB bus. , 2007, 6590, 496.		0

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73	Powerline LonTalk protocol performance analysis in SystemC. , 2007, , .		0
74	Mixed signal SystemC modelling of a SoC architecture with Dynamic Voltage Scaling. , 2007, , .		1
75	A switching mode power supply with digital pulse density modulation control. , 2007, , .		7
76	Physical modelling in SystemC-WMS and real time synthesis of electric guitar effects. , 2007, , .		2
77	Digital control of low-cost piezoelectric actuators for household appliances. , 2007, , .		0
78	Image processing performance analysis for low power wireless image sensors. , 2007, , .		2
79	FPGA Implementations of a Simplified Retinex Image Processing Algorithm. , 2006, , .		6
80	SystemC-WMS: Mixed-Signal Simulation Based on Wave Exchanges. , 2006, , 171-185.		11
81	<title>Power analysis methodology and library in SystemC</title>. , 2005, , .		3
82	Development languages and environments for induction cooking system design and simulation. , 2005, , .		0
83	<title>Modeling of power control schemes in induction cooking devices</title>. , 2005, , .		1
84	<title>System level design and power analysis of architectures for SATD calculus in the H.264/AVC</title>. , 2005, , .		2
85	Performance analysis of different arbitration algorithms of the AMBA AHB bus. , 2004, , .		12
86	Extending SystemC to Analog Modelling and Simulation. , 2004, , 229-242.		1
87	A Mixed Signal Fuzzy Controller Using Current Mode Circuits. Analog Integrated Circuits and Signal Processing, 2004, 38, 215-231.	1.4	9
88	Multistable Circuits for Analog Memories Implementation. Analog Integrated Circuits and Signal Processing, 2004, 39, 109-122.	1.4	3
89	Title is missing!. Analog Integrated Circuits and Signal Processing, 2003, 37, 85-102.	1.4	3
90	A statistical methodology for the design of high-performance CMOS current-steering digital-to-analog converters. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2002, 21, 377-394.	2.7	36

#	ARTICLE	IF	CITATIONS
91	Layout-based statistical modeling for the prediction of the matching properties of MOS transistors. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 680-685.	0.1	28
92	An Enhanced POLIS Framework for Fast Exploration and Implementation of I/O Subsystems on CSoC Platforms. Lecture Notes in Computer Science, 2002, , 677-686.	1.3	0
93	Parametric Yield Optimization of MOS IC's Affected by Device Mismatch. Analog Integrated Circuits and Signal Processing, 2001, 29, 181-199.	1.4	3
94	Training neural networks to be insensitive to weight random variations. Neural Networks, 2000, 13, 125-132.	5.9	15
95	Artificial neural networks as approximators of stochastic processes. Neural Networks, 1999, 12, 647-658.	5.9	35
96	Parametric yield formulation of MOS IC's affected by mismatch effect. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 1999, 18, 582-596.	2.7	34
97	On the approximation of stochastic processes by approximate identity neural networks. IEEE Transactions on Neural Networks, 1998, 9, 1069-1085.	4.2	29
98	Analytical device modeling for MOS analog IC's based on regularization and Bayesian estimation. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 1996, 15, 1309-1323.	2.7	6
99	Parametric yield optimisation of MOS VLSI circuits based on simulated annealing and its parallel implementation. IET Circuits, Devices and Systems, 1994, 141, 387.	0.6	10
100	Approximate identity neural networks for analog synthesis of nonlinear dynamical systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1994, 41, 841-858.	0.1	10
101	A general approach to nonlinear synthesis with MOS analog circuits. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1993, 40, 608-612.	0.1	7
102	A companion macromodelling approach for the transient analysis of MOS large-scale integrated circuits. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 1992, 5, 227-243.	1.9	0
103	A new methodology to produce accurate empirical models for VLSI MOSFETs. Solid-State Electronics, 1991, 34, 79-89.	1.4	6
104	On the short-channel theory for MOS transistor. IEEE Transactions on Electron Devices, 1991, 38, 2657-2661.	3.0	9
105	A new analytical and statistical-oriented approach for the two-dimensional threshold analysis of short-channel MOSFETs. Solid-State Electronics, 1989, 32, 739-747.	1.4	4
106	Parametric Yield Optimization Of MOS Vlsi Circuits Based On Simulated Annealing. , 0, , .		0
107	Test structure for mismatch characterization of MOS transistors in subthreshold regime. , 0, , .		2
108	Statistical modeling of MOS transistor mismatch based on the parameters' autocorrelation function. , 0, , .		10

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109	A statistical MOS model for CAD of submicrometer analog IC's. , 0, , .		1
110	Instruction based power consumption estimation methodology. , 0, , .		13
111	Dynamic power management in an AMBA-based battery-powered system. , 0, , .		4
112	Transaction-level models for AMBA bus architecture using SystemC 2.0. , 0, , .		54
113	SystemC modeling of a Bluetooth transceiver: dynamic management of packet type in a noisy channel. , 0, , .		3
114	System Level Analysis of the Bluetooth Standard. , 0, , .		22
115	SystemC Analysis of a New Dynamic Power Management Architecture. , 0, , .		0
116	Current-mode multiple-valued logic circuits implementing the SRT division algorithm. , 0, , .		0