Giuseppe Ferri

List of Publications by Year in Descending Order

211 papers	2,555 citations	28 h-index	40 g-index
236 ext. papers	3,130 ext. citations	2.8 avg, IF	5.21 L-index

#	Paper	IF	Citations
211	A Ladder Network Theoretical Approach for the Automatic Monitoring of Distributed Sensors. *Lecture Notes in Electrical Engineering*, **2023**, 333-339	0.2	
210	Time Continuous VCII-Based Fully Analog Interface for Differential Capacitive Sensors. *Lecture Notes in Electrical Engineering*, **2023**, 369-374	0.2	
209	Sensors and Interfaces for Structural Health Monitoring. *Lecture Notes in Electrical Engineering*, **2023**, 295-300	0.2	
208	New Resistor-Less Electronically Controllable ⌸C Simulator Employing VCII, DVCC, and a Grounded Capacitor. *Electronics (Switzerland)*, **2022**, 11, 286	2.6	1
207	Realization of an Electronically Tunable Resistor-Less Floating Inductance Simulator Using VCII. *Electronics (Switzerland)*, **2022**, 11, 312	2.6	1
206	Low power class-AB VCII with extended dynamic range. *AEU - International Journal of Electronics and Communications*, **2022**, 146, 154120	2.8	1
205	A New Realization of Electronically Tunable Multiple-Input Single-Voltage Output Second-Order LP/BP Filter Using VCII. *Electronics (Switzerland)*, **2022**, 11, 646	2.6	2
204	A New Fully Closed-Loop, High-Precision, Class-AB CCII for Differential Capacitive Sensor Interfaces. *Electronics (Switzerland)*, **2022**, 11, 903	2.6	
203	On the use of field programmable gate arrays in light detection and ranging systems.. *Review of Scientific Instruments*, **2021**, 92, 121501	1.7	2
202	Electronically Tunable First Order AP/LP and LP/HP Filter Topologies Using Electronically Controllable Second Generation Voltage Conveyor (CVCII). *Electronics (Switzerland)*, **2021**, 10, 822	2.6	2
201	Development and Test of a Portable ECG Device with Dry Capacitive Electrodes and Driven Right Leg Circuit. *Sensors*, **2021**, 21,	3.8	6
200	A New VCII Application: Sinusoidal Oscillators. *Journal of Low Power Electronics and Applications*, **2021**, 11, 30	1.7	4
199	A New Extremely Low Power Temperature Insensitive Electronically Tunable VCII-Based Grounded Capacitance Multiplier. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 68, 72-76	3.5	12
198	A New Simulated Inductor with Reduced Series Resistor Using a Single VCII⌸. *Electronics (Switzerland)*, **2021**, 10, 1693	2.6	3
197	A new VCII based grounded positive/negative capacitance multiplier. *AEU - International Journal of Electronics and Communications*, **2021**, 137, 153793	2.8	5
196	Towards Realization of a Low-Voltage Class-AB VCII with High Current Drive Capability. *Electronics (Switzerland)*, **2021**, 10, 2303	2.6	2
195	An Autonomous Low-Power LoRa-Based Flood-Monitoring System. *Journal of Low Power Electronics and Applications*, **2020**, 10, 15	1.7	13

194	A second-generation voltage conveyor (VCII)Based simulated grounded inductor. *International Journal of Circuit Theory and Applications*, **2020**, 48, 1180-1193	2	19
193	Full-Analog Parasitic Capacitance Compensation for AC-Excited Differential Sensors. *IEEE Transactions on Instrumentation and Measurement*, **2020**, 69, 5890-5899	5.2	6
192	RectifiersDesign and Optimization for a Dual-Channel RF Energy Harvester. *Journal of Low Power Electronics and Applications*, **2020**, 10, 11	1.7	8
191	Spherical Anemometer for Novel Portable and Fixed-Point Wind Measurement Devices. *Lecture Notes in Electrical Engineering*, **2020**, 137-141	0.2	
190	Automatic Differential Capacitive Sensing by Means of Linear Interface. *Lecture Notes in Electrical Engineering*, **2020**, 131-135	0.2	
189	Piezoelectric Glove Design and Test for Future Wearable Devices. *Journal of Physics: Conference Series*, **2020**, 1603, 012013	0.3	
188	A new versatile full wave rectifier using voltage conveyors. *AEU - International Journal of Electronics and Communications*, **2020**, 122, 153267	2.8	11
187	New mixed-mode second-generation voltage conveyor based first-order all-pass filter. *IET Circuits, Devices and Systems*, **2020**, 14, 901-907	1.1	8
186	Noise analysis and optimization of VCII-based SiPM interface circuit. *Analog Integrated Circuits and Signal Processing*, **2020**, 109, 1	1.2	2
185	Structural Health Monitoring: An IoT Sensor System for Structural Damage Indicator Evaluation. *Sensors*, **2020**, 20,	3.8	16
184	A New High Drive Class-AB FVF-Based Second Generation Voltage Conveyor. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2020**, 67, 405-409	3.5	17
183	A low-cost energy-harvesting sensory headwear useful for tetraplegic people to drive home automation. *AEU - International Journal of Electronics and Communications*, **2019**, 107, 9-14	2.8	11
182	Electronic System for Structural and Environmental Building Monitoring. *Lecture Notes in Electrical Engineering*, **2019**, 481-488	0.2	9
181	Traditional Op-Amp and new VCII: A comparison on analog circuits applications. *AEU - International Journal of Electronics and Communications*, **2019**, 110, 152845	2.8	12
180	A VCII-Based Stray Insensitive Analog Interface for Differential Capacitance Sensors. *Sensors*, **2019**, 19,	3.8	14
179	A New Low-Voltage Low-Power Dual-Mode VCII-Based SIMO Universal Filter. *Electronics (Switzerland)*, **2019**, 8, 765	2.6	18
178	A New Rail-to-Rail Second Generation Voltage Conveyor. *Electronics (Switzerland)*, **2019**, 8, 1292	2.6	7
177	An Overview on the Second Generation Voltage Conveyor: Features, Design and Applications. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2019**, 66, 547-551	3.5	30

176	Current-Mode Wheatstone Bridge. *Analog Circuits and Signal Processing Series*, **2019**, 29-57	0.2	
175	CMIA for Biomedical and Low-Voltage Low-Power Applications. *Analog Circuits and Signal Processing Series*, **2019**, 137-155	0.2	
174	CMIA for Sensor Applications. *Analog Circuits and Signal Processing Series*, **2019**, 157-169	0.2	
173	Current-Mode Instrumentation Amplifiers. *Analog Circuits and Signal Processing Series*, **2019**,	0.2	2
172	Sensor Systems for Breathprinting: A Review of the Current Technologies for Exhaled Breath Analysis Based on a Sensor Array With the Aim of Integrating Them in a Standard and Shared Procedure **2019**, 49-79		3
171	A low-voltage low-power instrumentation amplifier based on supply current sensing technique. *AEU - International Journal of Electronics and Communications*, **2018**, 91, 125-131	2.8	8
170	. *IEEE Transactions on Instrumentation and Measurement*, **2018**, 67, 885-893	5.2	31
169	. *IEEE Sensors Journal*, **2018**, 18, 2861-2869	4	10
168	Design and Development of an Electronic Interface for Gas Detection and Exhaled Breath Analysis in Liquids. *IEEE Sensors Journal*, **2018**, 18, 31-36	4	4
167	A rail-to-rail constant-gm CCII for Instrumentation Amplifier applications. *AEU - International Journal of Electronics and Communications*, **2018**, 91, 103-109	2.8	14
166	Analysis and design of a new COA-based current-mode instrumentation amplifier with robust performance against mismatches. *AEU - International Journal of Electronics and Communications*, **2018**, 89, 105-109	2.8	12
165	Integrable Sensor System for Live Monitoring of Loudspeaker Performances. *Lecture Notes in Electrical Engineering*, **2018**, 3-7	0.2	
164	Fully analog automatic stray compensation for bridge-based differential capacitive sensor interfaces **2018**,		1
163	Resonant Directly Coupled Inductors?Capacitors Ladder Network Shows a New, Interesting Property Useful for Application in the Sensor Field, Down to Micrometric Dimensions. *Micromachines*, **2018**, 9,	3.3	1
162	Voltage-Mode Analog Interfaces for Differential Capacitance Position Transducers. *Lecture Notes in Electrical Engineering*, **2018**, 388-397	0.2	1
161	CCII-Based Linear Ratiometric Capacitive Sensing by Analog Read-Out Circuits. *Lecture Notes in Electrical Engineering*, **2018**, 398-405	0.2	1
160	Integrable Autonomous Devices for WSNs. *Lecture Notes in Electrical Engineering*, **2018**, 406-412	0.2	1
159	A Low Cost Flexible Power Line Communication System. *Lecture Notes in Electrical Engineering*, **2018**, 413-420	0.2	6

158	An Electrode Impedance Balanced Interface for Biomedical Application. *Lecture Notes in Electrical Engineering*, **2018**, 289-294	0.2	
157	CCII-Based Voltage Amplifier Optimization for Reduced Relative Gain Error. *Circuits, Systems, and Signal Processing*, **2018**, 37, 1315-1326	2.2	2
156	High performance voltage output filter realizations using second generation voltage conveyor. *International Journal of RF and Microwave Computer-Aided Engineering*, **2018**, 28, e21534	1.5	35
155	A CMOS full-range linear integrated interface for differential capacitive sensor readout. *Sensors and Actuators A: Physical*, **2018**, 281, 130-140	3.9	17
154	The AB-CCII, a novel adaptive biasing LV-LP current conveyor architecture. *AEU - International Journal of Electronics and Communications*, **2017**, 79, 301-306	2.8	7
153	An Electronic System for the Contactless Reading of ECG Signals. *Sensors*, **2017**, 17,	3.8	16
152	A standard CMOS bridge-based analog interface for differential capacitive sensors **2017**,		9
151	Current conveyor-based differential capacitance analog interface for displacement sensing application. *AEU - International Journal of Electronics and Communications*, **2017**, 81, 83-91	2.8	10
150	A CCII-based non-inverting Schmitt trigger and its application as astable multivibrator for capacitive sensor interfacing. *International Journal of Circuit Theory and Applications*, **2017**, 45, 1060-1076	2	11
149	Full range analog Wheatstone bridge-based automatic circuit for differential capacitance sensor evaluation. *International Journal of Circuit Theory and Applications*, **2017**, 45, 2149-2156	2	22
148	Power-efficient dynamic-biased CCII **2017**,		3
147	An IC architecture for RF Energy Harvesting systems. *Journal of Communications Software and Systems*, **2017**, 13, 96	0.8	18
146	A Spherical Directional Anemometer Sensor System. *Proceedings (mdpi)*, **2017**, 1, 388	0.3	2
145	A Gas Sensor Device for Oxygen and Carbon Dioxide Detection. *Proceedings (mdpi)*, **2017**, 1, 447	0.3	4
144	Automatic Wireless Monitoring System for Real-Time Rock Fall Events. *Proceedings (mdpi)*, **2017**, 1, 569	0.3	2
143	Linear Integrated Interface for Automatic Differential Capacitive Sensing. *Proceedings (mdpi)*, **2017**, 1, 592	0.3	3
142	Digital Multi-Probe Temperature Monitoring System for Long-Term on Field Measurements. *Proceedings (mdpi)*, **2017**, 1, 596	0.3	2
141	Remote sensor networks with efficient energy harvesting architecture **2016**,		11

140	Dual band harvester architecture for autonomous remote sensors. *Sensors and Actuators A: Physical* , **2016**, 247, 598-603	3.9	26
139	Reliable and Inexpensive Solar Irradiance Measurement System Design. *Procedia Engineering*, **2016**, 168, 1767-1770		10
138	One-Decade Frequency Range, In-Phase Auto-Aligned 1.8 V 2 mW Fully Analog CMOS Integrated Lock-In Amplifier for Small/Noisy Signal Detection. *IEEE Sensors Journal*, **2016**, 16, 5690-5701	4	19
137	Analog current-mode interfaces for differential capacitance sensing **2016**,		5
136	A Low Cost Fully Integrable in a Standard CMOS Technology Portable System for the Assessment of Wind Conditions. *Procedia Engineering*, **2016**, 168, 1024-1027		13
135	Automatic Bridge-based Interface for Differential Capacitive Full Sensing. *Procedia Engineering*, **2016**, 168, 1585-1588		21
134	Energy harvester for remote sensors systems **2016**,		15
133	Investigating a single sensor ability in the characterisation of drinkable water: a pilot study. *Water and Environment Journal*, **2016**, 30, 253-260	1.7	8
132	A Fully Analog High Performances Automatic System for Phase Measurement of Electrical and Optical Signals. *IEEE Transactions on Instrumentation and Measurement*, **2015**, 64, 1043-1054	5.2	7
131	A standard CMOS technology fully-analog differential capacitance sensor front-end **2015**,		6
130	A simplified architecture for differential capacitance sensors **2015**,		2
129	Uncalibrated operational amplifier-based sensor interface for capacitive/resistive sensor applications. *IET Circuits, Devices and Systems*, **2015**, 9, 249-255	1.1	16
128	Non-Inverting CCII-based Astable Multivibrator and Its Application as Uncalibrated Wide-Range Capacitive Sensor Interface. *Lecture Notes in Electrical Engineering*, **2015**, 291-295	0.2	
127	A single current conveyor-based low voltage low power bootstrap circuit for ElectroCardioGraphy and ElectroEncephaloGraphy acquisition systems. *Analog Integrated Circuits and Signal Processing*, **2014**, 79, 171-175	1.2	32
126	Electrical self-modulation of optical sensors for light power measurement in chemical applications by phase detection technique. *Sensors and Actuators B: Chemical*, **2014**, 193, 375-383	8.5	6
125	A new 0.35μm CMOS electronic interface for wide range floating capacitive and grounded/floating resistive sensor applications. *Microelectronics Journal*, **2014**, 45, 910-920	1.8	2
124	Uncalibrated automatic bridge-based CMOS integrated interfaces for wide-range resistive sensors portable applications. *Microelectronics Journal*, **2014**, 45, 589-596	1.8	10
123	. *IEEE Sensors Journal*, **2014**, 14, 315-323	4	22

122	. *IEEE Sensors Journal*, **2014**, 14, 1664-1672	4	30
121	. *IEEE Antennas and Propagation Magazine*, **2014**, 56, 275-287	1.7	2
120	Integrable Electronic Interface for Chemical Sensor Management. *Lecture Notes in Electrical Engineering*, **2014**, 475-479	0.2	
119	Automatic Analog Wheatstone Bridge for Wide-Range Resistive Sensor Interfacing Applications. *Lecture Notes in Electrical Engineering*, **2014**, 535-539	0.2	
118	A Compact Architecture for Heartbeat Monitoring. *Lecture Notes in Electrical Engineering*, **2014**, 301-305	0.2	
117	A New CMOS-Integrated Analog Lock-In Amplifier for Automatic Measurement of Very Small Signals. *Lecture Notes in Electrical Engineering*, **2014**, 371-375	0.2	
116	A Modified De Sauty Autobalancing Bridge-Based Interface for Wide-Range Capacitive Sensor Applications. *Lecture Notes in Electrical Engineering*, **2014**, 365-369	0.2	
115	Analog Wheatstone bridge-based automatic interface for grounded and floating wide-range resistive sensors. *Sensors and Actuators B: Chemical*, **2013**, 187, 371-378	8.5	20
114	A new single-chip analog lock-in amplifier with automatic phase and frequency tuning for physical/chemical noisy phenomena detection **2013**,		8
113	${rm WO}_{3}$ Hydrogen Resistive Gas Sensor and Its Wide-Range Current-Mode Electronic Read-Out Circuit. *IEEE Sensors Journal*, **2013**, 13, 2792-2798	4	16
112	A CMOS integrated low-voltage low-power time-controlled interface for chemical resistive sensors. *Sensors and Actuators B: Chemical*, **2013**, 179, 313-318	8.5	17
111	High sensitivity, high resolution, uncalibrated phase read-out circuit for optoelectronic detection of chemical substances. *Sensors and Actuators B: Chemical*, **2013**, 179, 328-335	8.5	6
110	A novel 6-decades fully-analog uncalibrated Wheatstone bridge-based resistive sensor interface. *Sensors and Actuators B: Chemical*, **2013**, 189, 130-140	8.5	16
109	Preparation of nitrogen doped TiO2 nanofibers by near field electrospinning (NFES) technique for NO2 sensing. *Sensors and Actuators B: Chemical*, **2013**, 179, 107-113	8.5	25
108	Fully differential DDA-based fifth and seventh order Bessel low pass filters and buffers for DCR radio systems. *Analog Integrated Circuits and Signal Processing*, **2013**, 75, 305-310	1.2	30
107	Resistive Sensor Interfacing. *Smart Sensors, Measurement and Instrumentation*, **2013**, 71-102	0.3	3
106	On The Sensitivity Characteristics in Novel Automatic Wheatstone Bridge-Based Interfaces. *Procedia Engineering*, **2012**, 47, 261-264		3
105	Uncalibrated Analog Bridge-Based Interface for Wide-Range Resistive Sensor Estimation. *IEEE Sensors Journal*, **2012**, 12, 1413-1414	4	32

104	A Novel Uncalibrated Read-Out Circuit for Floating Capacitive and Grounded/Floating Resistive Sensors Measurement. *Procedia Engineering*, **2012**, 47, 253-256		4
103	. *IEEE Sensors Journal*, **2012**, 12, 1377-1383	4	40
102	A CCII-Based Oscillating Circuit as Resistive/Capacitive Humidity Sensor Interface. *Lecture Notes in Electrical Engineering*, **2012**, 293-299	0.2	
101	An Analog Automatic Lock-In Amplifier for the Accurate Detection of Very Low Gas Concentrations. *Lecture Notes in Electrical Engineering*, **2012**, 285-291	0.2	
100	**2011**,		7
99	CCII-based interface for capacitive/resistive sensors **2011**,		5
98	Analog Circuits and Systems for Voltage-Mode and Current-Mode Sensor Interfacing Applications **2011**,		54
97	A CCII-based wide frequency range square waveform generator. *International Journal of Circuit Theory and Applications*, **2011**, 41, n/a-n/a	2	9
96	A Novel Analog Autocalibrating Phase-Voltage Converter for Signal Phase-Shifting Detection. *IEEE Sensors Journal*, **2011**, 11, 259-266	4	13
95	A CCII-BASED HIGH IMPEDANCE INPUT STAGE FOR BIOMEDICAL APPLICATIONS. *Journal of Circuits, Systems and Computers*, **2011**, 20, 1441-1447	0.9	34
94	A complementary metal oxide semiconductor integrable conditioning circuit for resistive chemical sensor management. *Measurement Science and Technology*, **2011**, 22, 124001	2	5
93	Physical and Chemical Sensors **2011**, 1-35		1
92	The Current-Mode Approach in Sensor Interfaces Design **2011**, 155-179		1
91	Resistive, Capacitive and Temperature Sensor Interfacing Overview **2011**, 37-74		1
90	The Voltage-Mode Approach in Sensor Interfaces Design **2011**, 75-153		
89	Detection of Small and Noisy Signals in Sensor Interfacing: The Analog Lock-in Amplifier **2011**, 181-204		
88	. *IEEE Transactions on Instrumentation and Measurement*, **2010**, 59, 1276-1283	5.2	36
87	Analog automatic lock-in amplifier for very low gas concentration detection. *Procedia Engineering*, **2010**, 5, 200-203		8

86	Low-voltage low-power integrated analog lock-in amplifier for gas sensor applications. *Sensors and Actuators B: Chemical*, **2010**, 144, 400-406	8.5	61
85	A Novel Calibration-Less CCII-Based Resistance-to-Time Front-End for Gas Sensor Interfacing. *Lecture Notes in Electrical Engineering*, **2010**, 279-284	0.2	
84	A New Fast-Readout Front-End for High Resistive Chemical Sensor Applications. *Lecture Notes in Electrical Engineering*, **2010**, 273-278	0.2	
83	A Differential Difference Current-Conveyor (DDCCII) Based Front-End for Integrable and Portable Sensor Applications. *Lecture Notes in Electrical Engineering*, **2010**, 267-271	0.2	
82	A novel LV LP CMOS internal topology of CCII+ and its application in current-mode integrated circuits **2009**,		4
81	**2009**,		3
80	A CMOS Integrable DDCCII-Based Readout System For Portable Potentiometric Sensors Array **2009**,		1
79	The VCG-CCII: a novel building block and its application to capacitance multiplication. *Analog Integrated Circuits and Signal Processing*, **2009**, 58, 55-59	1.2	38
78	A single-chip integrated interfacing circuit for wide-range resistive gas sensor arrays. *Sensors and Actuators B: Chemical*, **2009**, 143, 218-225	8.5	41
77	A novel low-voltage low-power fully differential voltage and current gained CCII for floating impedance simulations. *Microelectronics Journal*, **2009**, 40, 20-25	1.8	34
76	. *IEEE Sensors Journal*, **2009**, 9, 2035-2041	4	44
75	A novel general purpose current mode oscillating circuit for the read-out of capacitive sensors **2009** ,		5
74	CMOS PULSE GENERATOR FOR BPSK, OOK, PAM, AND PPM MODULATIONS. *Journal of Circuits, Systems and Computers*, **2009**, 18, 487-495	0.9	3
73	Vibration Damping Using CCII-Based Inductance Simulators. *IEEE Transactions on Instrumentation and Measurement*, **2008**, 57, 907-914	5.2	13
72	. *IEEE Transactions on Instrumentation and Measurement*, **2008**, 57, 1596-1604	5.2	40
71	. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2008**, 55, 394-398	3.5	20
70	**2008**,		2
69	NEW LOW-VOLTAGE LOW-POWER CURRENT-MODE RESISTIVE SENSOR INTERFACE WITH R/T CONVERSION AND DC EXCITATION VOLTAGE **2008**,		1

68	Uncalibrated integrable wide-range single-supply portable interface for resistance and parasitic capacitance determination. *Sensors and Actuators B: Chemical*, **2008**, 132, 477-484	8.5	24
67	A portable integrated wide-range gas sensing system with smart A/D front-end. *Sensors and Actuators B: Chemical*, **2008**, 130, 164-174	8.5	31
66	Novel CMOS fully integrable interface for wide-range resistive sensor arrays with parasitic capacitance estimation. *Sensors and Actuators B: Chemical*, **2008**, 130, 207-215	8.5	26
65	An Integrated Analog Lock-In Amplifier for Low-Voltage Low-Frequency Sensor Interface **2007**,		11
64	Electronic interfaces. *Sensors and Actuators B: Chemical*, **2007**, 121, 295-329	8.5	80
63	A fully-differential Symmetrical OTA-based rail-to-rail Switched Buffer **2007**,		4
62	CCII-based high-valued inductance simulators with minumum number of active elements **2007**,		3
61	An Uncalibrated Wide-Range Single-Supply Integrable Front-End for Resistance and Capacitance Estimation **2007**,		2
60	High-Accuracy, High-Precision DEM-CCII Amplifiers **2007**,		2
59	Low Voltage Integrated Astable Multivibrator Based on a Single CCII **2007**,		15
58	LADDER-NETWORK-BASED MODEL FOR INTERCONNECTS AND TRANSMISSION LINES TIME DELAY AND CUTOFF FREQUENCY DETERMINATION. *Journal of Circuits, Systems and Computers*, **2007**, 16, 489-505	0.9	2
57	A rail-to-rail DC-enhanced adaptive biased fully differential OTA **2007**,		8
56	A New CMOS Integrable Oscillating Circuit for High-Value Wide-Range Resistive Sensors **2007**,		4
55	NIC-based capacitance multipliers for low-frequency integrated active filter applications **2007**,		11
54	Ladder-network-based model for delay determination in coupled interconnects. *IET Science, Measurement and Technology*, **2006**, 153, 64-72		1
53	Integrated CMOS interfaces for wide-range resistive gas sensors. *Sensors and Actuators B: Chemical*, **2006**, 118, 269-275	8.5	8
52	A high precision temperature control system for CMOS integrated wide range resistive gas sensors. *Analog Integrated Circuits and Signal Processing*, **2006**, 47, 293-301	1.2	6
51	An integrated improved CCII topology for resistive sensor application. *Analog Integrated Circuits and Signal Processing*, **2006**, 48, 247-250	1.2	28

50	A temperature control system for integrated resistive gas sensor arrays **2005**,		3
49	CCII-based inductance simulators for mechanical oscillation control **2005**, 5837, 983		
48	A Novel Dual-Output CCII-Based Single-Ended to Differential Converter. *Analog Integrated Circuits and Signal Processing*, **2005**, 43, 87-90	1.2	4
47	Compact transmission line representation. *IET Science, Measurement and Technology*, **2004**, 151, 211-217		9
46	A new approach for closed-form transient analysis of multiconductor transmission lines. *IEEE Transactions on Electromagnetic Compatibility*, **2004**, 46, 529-543	2	11
45	Noise Determination in Differential Pair-Based Second Generation Current Conveyors. *Analog Integrated Circuits and Signal Processing*, **2004**, 41, 35-46	1.2	18
44	An ultralow-power switched opamp-based 10-B integrated ADC for implantable biomedical applications. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2004**, 51, 174-177		22
43	CMOS Power-Efficient Buffers and Amplifiers. *Analog Integrated Circuits and Signal Processing*, **2003**, 36, 79-90	1.2	1
42	A current-mode 1kHz/10kHz low-voltage integrated analogue PLL for lock-in portable applications. *International Journal of Circuit Theory and Applications*, **2003**, 31, 139-155	2	4
41	CCII-based floating inductance simulator with compensated series resistance. *Electronics Letters*, **2003**, 39, 1560	1.1	50
40	Low-Power Adaptive Biased Integrated Amplifiers. *Analog Integrated Circuits and Signal Processing*, **2002**, 33, 249-262	1.2	5
39	A low-voltage integrated CMOS analog lock-in amplifier prototype for LAPS applications. *Sensors and Actuators A: Physical*, **2001**, 92, 263-272	3.9	39
38	Low-voltage rail-to-rail switched buffer topologies. *International Journal of Circuit Theory and Applications*, **2001**, 29, 413-422	2	7
37	Rail-to-rail adaptive biased low-power Op-Amp. *Microelectronics Journal*, **2001**, 32, 265-272	1.8	4
36	High-valued passive element simulation using low-voltage low-power current conveyors for fully integrated applications. *IEEE Transactions on Circuits and Systems Part 2: Express Briefs*, **2001**, 48, 405-409		30
35	A low-voltage, low-power CMOS phase shifter. *International Journal of Circuit Theory and Applications*, **2000**, 28, 187-191	2	4
34	Low-power CMOS OTA input stages and voltage buffers based on adaptive biasing topology. *Microelectronics Journal*, **2000**, 31, 153-159	1.8	4
33	Noise considerations in low voltage CMOS integrated temperature sensors. *Sensors and Actuators A: Physical*, **2000**, 85, 232-238	3.9	1

32	Interconnection and transmission line modelling by half-T RC ladder networks. *Journal of Information and Optimization Sciences*, **2000**, 21, 149-157	1.1	
31	A systolic architecture for high-performance scaled residue to binary conversion. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2000**, 47, 1523-1526		2
30	A novel low voltage low power oscillator as a capacitive sensor interface for portable applications. *Sensors and Actuators A: Physical*, **1999**, 76, 437-441	3.9	14
29	CMOS and bipolar novel low-power adaptive biasing topologies. *Microelectronics Journal*, **1999**, 30, 223-227	1.1	8
28	A Very Low Voltage Bipolar Op-Amp for Sensor Applications. *Analog Integrated Circuits and Signal Processing*, **1999**, 20, 11-23	1.2	1
27	A novel approach for transmission line modelling by ladder networks. *Journal of Information and Optimization Sciences*, **1999**, 20, 75-83	1.1	1
26	The exact simulation of an electric line by ladder networks. *Journal of Information and Optimization Sciences*, **1998**, 19, 247-256	1.1	1
25	The determination of loaded ladder network input equivalent noise. *Journal of Information and Optimization Sciences*, **1998**, 19, 185-192	1.1	
24	First and higher order models of the transmission line by the use of a ladder network and difference equations. *Journal of Information and Optimization Sciences*, **1997**, 18, 447-452	1.1	2
23	A rail-to-rail constant-g/sub m/ low-voltage CMOS operational transconductance amplifier. *IEEE Journal of Solid-State Circuits*, **1997**, 32, 1563-1567	5.5	25
22	An electronic nose for food analysis. *Sensors and Actuators B: Chemical*, **1997**, 44, 521-526	8.5	125
21	Bipolar rail-to-rail constant-gm input stage for low voltage applications. *Electronics Letters*, **1996**, 32, 1467	1.1	3
20	Recognition of fish storage time by a metalloporphyrins-coated QMB sensor array. *Measurement Science and Technology*, **1996**, 7, 1103-1114	2	62
19	The application of metalloporphyrins as coating material for quartz microbalance-based chemical sensors. *Analytica Chimica Acta*, **1996**, 325, 53-64	6.6	124
18	Niobium-doped □-Fe2O3 semiconductor ceramic sensors for the measurement of nitric oxide gases. *Sensors and Actuators B: Chemical*, **1995**, 25, 673-677	8.5	9
17	Connectivity of pore networks in chemically sensitive materials. *Sensors and Actuators B: Chemical*, **1995**, 25, 865-870	8.5	2
16	The influece of water vapour on carbon monoxide sensitivity of □-Fe2O3 microporous ceramic sensors. *Sensors and Actuators B: Chemical*, **1994**, 19, 437-442	8.5	36
15	Microstructure and electrical properties of Si-doped □-Fe2O3 humidity sensor. *Sensors and Actuators B: Chemical*, **1993**, 16, 293-298	8.5	21

List of Publications

14	Low concentration ammonia detection by LiTaO3. *Sensors and Actuators B: Chemical*, **1993**, 13, 148-150	8.5	1
13	The DFF and DFFz Triangles and Their Mathematical Properties **1993**, 199-206		6
12	Microstructure and electrical properties of an □-hematite ceramic humidity sensor. *Sensors and Actuators B: Chemical*, **1992**, 7, 464-469	8.5	35
11	Hydrogen chloride detection by LiTaO3. *Sensors and Actuators B: Chemical*, **1992**, 7, 677-681	8.5	2
10	. *IEEE Transactions on Circuits and Systems*, **1991**, 38, 1377-1382		20
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