

# Leonid Belostotski

## List of Publications by Year in descending order

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177  
papers

1,728  
citations

393982

19  
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395343

33  
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178  
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178  
docs citations

178  
times ranked

964  
citing authors

#	ARTICLE	IF	CITATIONS
1	Figures of Merit for CMOS Low-Noise Amplifiers and Estimates for Their Theoretical Limits. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 734-738.	2.2	10
2	Second-order cascode-based filters. The Integration VLSI Journal, 2022, 84, 111-121.	1.3	1
3	General Framework for Array Noise Analysis and Noise Performance of a Two-Element Interferometer With a Mutual-Coupling Canceler. IEEE Transactions on Antennas and Propagation, 2022, 70, 8059-8068.	3.1	0
4	A Cryo-CMOS Low-Noise Amplifier With 2.3-to-8.5-K Noise Temperature at 20 K for Highly Integrated Radio-Astronomy Receivers. IEEE Microwave and Wireless Components Letters, 2022, 32, 1319-1322.	2.0	2
5	Wideband Modeling of the Mud-Pulse Communications Channel. IEEE Communications Letters, 2021, 25, 18-22.	2.5	2
6	A Radio Frequency Analog Computer for Computational Electromagnetics. IEEE Journal of Solid-State Circuits, 2021, 56, 440-454.	3.5	6
7	Impact of bandwidth on antenna array noise matching. Electronics Letters, 2021, 57, 158-160.	0.5	1
8	Ultra-low-power compact single-transistor all-pass filter with tunable delay capability. AEU - International Journal of Electronics and Communications, 2021, 132, 153645.	1.7	4
9	Relations of Time-Varying Circuit Parameters and Idlerless Parametric Harmonic Generation for Reconfigurable Frequency Multipliers. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 2554-2568.	2.9	6
10	A Wideband 24-29 GHz Differential All-Pass Filter in 65-nm CMOS. , 2021, , .		0
11	Delay-Tunable Compact RC-Only All-Pass Filter. IEEE Microwave and Wireless Components Letters, 2021, 31, 461-464.	2.0	3
12	Wideband High-Order All-Pass Delay Circuits. , 2021, , .		1
13	Cryogenic Noise-Parameter Measurements: Recent Research and a Fully Automated Measurement Application. IEEE Microwave Magazine, 2021, 22, 52-64.	0.7	5
14	Framework for the Cosimulation of Antenna Arrays and Receivers. IEEE Transactions on Antennas and Propagation, 2021, 69, 5090-5094.	3.1	1
15	Spacetime Frequency-Multiplexed Digital-RF Array Receivers With Reduced ADC Count. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2840-2844.	2.2	1
16	Analog Circuit Design Using Symbolic Math Toolboxes: Demonstrative Examples. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2021, , 1-11.	2.1	0
17	Automated Noise-Parameter Measurements of Cryogenic LNAs. , 2021, , .		1
18	Checklist-based Software Quality Evaluation of Tango Controls. , 2021, , .		0

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19	Automatic Generation of Differential-Input Differential-Output Second-Order Filters Based on a Differential Pair. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2020, 39, 1258-1271.	1.9	8
20	Towards a Low-SWaP 1024-Beam Digital Array: A 32-Beam Subsystem at 5.8 GHz. IEEE Transactions on Antennas and Propagation, 2020, 68, 900-912.	3.1	4
21	Wideband 28-nm CMOS Variable-Gain Amplifier. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 37-47.	3.5	8
22	Single transistor RC-only second-order allpass filters. International Journal of Circuit Theory and Applications, 2020, 48, 162-169.	1.3	10
23	Spatio-Temporal $\hat{\Gamma}^m$ - $\hat{\Gamma}^n$ $N \times 2$ -Port ADC Noise Shaping for $N \times N$ Antenna Arrays. , 2020, , .		0
24	On chip 0.5-2 GHz four-output quadrature-phase oscillator. AEU - International Journal of Electronics and Communications, 2020, 126, 153393.	1.7	5
25	Synthesis of Wideband High-Quality Factor Delay-Tunable Fully Differential All-Pass Filters. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 4348-4360.	2.9	12
26	Linearity Analysis of CMOS Parametric Upconverters. IEEE Access, 2020, 8, 190906-190921.	2.6	1
27	RF-Rate Hybrid CNN Accelerator Based on Analog-CMOS and Xilinx RFSoc. , 2020, , .		2
28	Passive Third-, Fourth-, and Fifth-Order Reconfigurable D-Band Frequency Multipliers Based on Switched-Capacitor Varactors. , 2020, , .		1
29	A Demonstration of a Voltage-Controlled Inductor in a $D$ -Band Colpitts Third-Harmonic-Extracted Injection-Locked Oscillator. IEEE Microwave and Wireless Components Letters, 2020, 30, 969-972.	2.0	1
30	Low-Power Single-Transistor Voltage-Mode Third-Order All-pass Filter in 65-nm CMOS. , 2020, , .		3
31	FPGA-Based 2-D FIR Frost Beamformers with Digital Mutual Coupling Compensation. , 2020, , .		5
32	$D$ -Band Broadband Passive Frequency Tripler Using Antiparallel Diode-Connected nMOS Transistor Pair in 22-nm CMOS SOI. IEEE Microwave and Wireless Components Letters, 2020, 30, 689-692.	2.0	6
33	A Measure of Well-Spread Points in Noise Wave-Based Source Matrix for Wideband Noise Parameter Measurement: The SKA-Low Example. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1783-1793.	2.9	4
34	28-GHz Passive Frequency Tripler With n-Type Varactors in 45-nm SOI CMOS. IEEE Microwave and Wireless Components Letters, 2020, 30, 292-295.	2.0	7
35	Antenna-Array Network Model. IEEE Transactions on Antennas and Propagation, 2020, 68, 5387-5394.	3.1	3
36	Down With Noise: An Introduction to a Low-Noise Amplifier Survey. IEEE Solid-State Circuits Magazine, 2020, 12, 23-29.	0.5	10

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37	Dr. Ali Sheikholeslami's Circuit Intuitions Lecture at the University of Calgary [Chapters]. IEEE Solid-State Circuits Magazine, 2020, 12, 72-72.	0.5	0
38	Wideband LNA Noise Matching. IEEE Solid-State Circuits Letters, 2020, 3, 62-65.	1.3	19
39	Wideband third-order single-transistor all-pass filter. International Journal of Circuit Theory and Applications, 2020, 48, 1201-1208.	1.3	11
40	Single-Transistor Second-Order Allpass Filters. , 2019, , .		7
41	Extraction of Electrical- and Noise-Parameters of Fully-Differential-Amplifier Subcircuits. IEEE Access, 2019, 7, 42123-42132.	2.6	0
42	Continuous-Time Algorithms for Solving Maxwell's Equations Using Analog Circuits. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 3941-3954.	3.5	13
43	A Wideband Delay-Tunable Fully Differential Allpass Filter in 65-nm CMOS Technology. , 2019, , .		12
44	Impact of Noise Bandwidth on Noise Figure. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 2662-2664.	2.4	5
45	A 171 GHz harmonic-mode PLL with $\hat{\sim}14.2$ dBm output power in 65 nm CMOS. Analog Integrated Circuits and Signal Processing, 2019, 98, 643-649.	0.9	1
46	Analytical Determinant of the Noise Parameter Extraction Matrix and Its Applications. , 2019, , .		4
47	8-GHz Low-Power Voltage-Mode Second-Order Allpass Filter in 65-nm CMOS. , 2019, , .		5
48	An Ultra-Low Power Wide-Band Single-Transistor Second-Order Allpass Filter in 65nm CMOS. , 2019, , .		5
49	$\Delta$ noise-shaping in 3-D space-time for 2-D wideband antenna array receivers. Multidimensional Systems and Signal Processing, 2019, 30, 1609-1631.	1.7	0
50	A 167 GHz 65 nm CMOS body-voltage-tuned harmonic-mode voltage-controlled oscillator. Microwave and Optical Technology Letters, 2019, 61, 546-549.	0.9	4
51	A four-quadrant current multiplier/divider cell with four transistors. Analog Integrated Circuits and Signal Processing, 2018, 95, 173-179.	0.9	9
52	Analog Approximate-FFT 8/16-Beam Algorithms, Architectures and CMOS Circuits for 5G Beamforming MIMO Transceivers. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2018, 8, 466-479.	2.7	24
53	A 28 GHz Q-Tunable Fully Differential Bandpass Filter in 65-nm CMOS Technology. , 2018, , .		3
54	A Large Phased Array Feed with CMOS Low-Noise Amplifiers. , 2018, , .		0

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55	Sampling H- & V-Polarized Antennas using a Single ADC for Digital Antenna Arrays by Exploiting Multi-Dimensional Signal Processing RF Circuits. , 2018, , .		1
56	Cryo-CMOS Low-Noise Amplifier for the Square Kilometre Array. , 2018, , .		2
57	400-to-800-MHz GaAs pHEMT-Based Wideband LNA for Radio-Astronomy Antenna-Array Feed. IEEE Microwave and Wireless Components Letters, 2018, 28, 909-911.	2.0	13
58	Multiport ADCs for Microwave Focal Plane Array Dish Receivers. , 2018, , .		1
59	Wideband $\beta$ -Beam Arrays Using Low-Complexity Algorithms and Mixed-Signal Integrated Circuits. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 368-382.	7.3	38
60	Method of Generating Unique Elementary Circuit Topologies Méthode de génération de topologies de circuits élémentaires uniques. Canadian Journal of Electrical and Computer Engineering, 2018, 41, 118-132.	1.5	6
61	A highly linear wideband 0.3-to-2.7GHz variable-gain amplifier. Analog Integrated Circuits and Signal Processing, 2017, 91, 473-478.	0.9	3
62	A 10-GS/s track-and-hold circuit for a 7-bit Square Kilometre Array ADC in 65-nm. , 2017, , .		0
63	Improving ADC figure-of-merit in wideband antenna array receivers using multidimensional space-time delta-sigma multiport circuits. , 2017, , .		11
64	Millimeter-wave CMOS PLL using a push-push oscillator. , 2017, , .		3
65	Antenna Two-Port Electrical and Noise Parameters. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1265-1268.	2.4	7
66	Modeling and measuring of antenna array s-parameters and radiation efficiency. , 2017, , .		4
67	Low-complexity N-port ADCs using 2-D $\beta$ noise-shaping for N-element array receivers. , 2017, , .		5
68	All-Pass Filter Based Synthesis of Multifunctional Microwave Active Circuits. , 2017, , .		4
69	0.96-to-5.1GHz 4-element spatially analog IIR-enhanced delay-and-sum beamformer. , 2017, , .		0
70	Design of a low-complexity wideband analog true-time-delay 5-beam array in 65nm CMOS. , 2017, , .		4
71	Synthesis and analysis of fully differential filters using two port networks. , 2017, , .		6
72	Gain-configurable lower sideband parametric downconverter. , 2017, , .		3

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73	Radiation efficiency of an individual antenna in a system of multiple non-identical antennas. , 2017, , .		2
74	Design methodology of an analog 9-beam squint-free wideband IF multi-beamformer for mmW applications. , 2017, , .		8
75	N-port LNAs for mmW array processors using 2-D spatio-temporal "noise-shaping. , 2017, , .		4
76	Measuring antenna noise parameters using a set of Wheeler caps. , 2016, , .		3
77	Linear RF apertures using 2-D analog beam filters. , 2016, , .		1
78	A 460-GHz CMOS substrate-integrated waveguide slot antenna design. Microwave and Optical Technology Letters, 2016, 58, 347-351.	0.9	7
79	No Noise Is Good Noise: Noise Matching, Noise Canceling, and Maybe a Bit of Both for Wide-Band LNAs. IEEE Microwave Magazine, 2016, 17, 28-40.	0.7	18
80	Wideband aperture array using a four-channel manifold-type planar multiplexer and digital IIR filterbank. International Journal of Circuit Theory and Applications, 2016, 44, 2085-2100.	1.3	1
81	Low noise phased-array feed with CMOS LNAs. , 2016, , .		3
82	5-bit 5-GS/s Noninterleaved Time-Based ADC in 65-nm CMOS for Radio-Astronomy Applications. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2016, 24, 3513-3525.	2.1	30
83	Development of a CMOS receiver for a radio-telescope phased-array feed. , 2016, , .		1
84	Noise Parameters of Gilbert Cell Mixers. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 3163-3174.	2.9	8
85	8-GHz, 6.6-mW LC-VCO with Small Die Area and FOM of 204 dBc/Hz at 1-MHz Offset. IEEE Microwave and Wireless Components Letters, 2016, 26, 936-938.	2.0	14
86	Delta-sigma noise shaping in 2D spacetime for uniform linear aperture array receivers. , 2016, , .		6
87	Noise Performance of a Phased-Array Feed With CMOS Low-Noise Amplifiers. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1719-1722.	2.4	19
88	On Impedance-Pattern Selection for Noise Parameter Measurement. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 258-270.	2.9	26
89	A New Second-Order All-Pass Filter in 130-nm CMOS. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 249-253.	2.2	45
90	A Stagger-Tuned Transimpedance Amplifier. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2016, 24, 1460-1469.	2.1	7

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91	WIDE-BAND TWO-STAGE GAAS LNA FOR RADIO ASTRONOMY. Progress in Electromagnetics Research C, 2015, 56, 119-124.	0.6	8
92	University of Calgary participation in CCAT CHAI development. , 2015, , .		1
93	A 0.13- $\mu\text{m}$ CMOS Current-Mode All-Pass Filter for Multi-GHz Operation. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2015, 23, 2813-2818.	2.1	29
94	A broadband self-calibrated RMS power detector embedded in a square kilometre array receiver. Microwave and Optical Technology Letters, 2015, 57, 1426-1432.	0.9	2
95	Low-Noise Amplifier Design Considerations For Use in Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2015, 63, 2508-2520.	3.1	30
96	A CMOS Low-Power Cross-Coupled Immittance-Converter Transimpedance Amplifier. IEEE Microwave and Wireless Components Letters, 2015, 25, 403-405.	2.0	18
97	65-nm CMOS Voltage-to-Time Converter for 5-GS/s Time-Based ADCs. Circuits, Systems, and Signal Processing, 2015, 34, 3121-3145.	1.2	6
98	A Q-band high-gain substrate-integrated waveguide slot antenna. Microwave and Optical Technology Letters, 2015, 57, 1370-1374.	0.9	3
99	Tunable multiband RF CMOS active filter arrays. , 2015, , .		0
100	Multi-beam 4 GHz microwave apertures using current-mode DFT approximation on 65 nm CMOS. , 2015, , .		10
101	An overview of multi-dimensional RF signal processing for array receivers. , 2015, , .		1
102	10-Gb/s 0.13- $\mu\text{m}$ CMOS Inductorless Modified-RGC Transimpedance Amplifier. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 1971-1980.	3.5	57
103	Continuous-time 2-D IIR+time-delay linear aperture arrays. , 2015, , .		1
104	Analog 2-D IIR beam filters for EARS in UAS ecosystems. , 2014, , .		2
105	Parametric CMOS upconverters and downconverters. International Journal of Circuit Theory and Applications, 2014, 42, 1209-1227.	1.3	8
106	A 12.5-Gb/s On-Chip Oscilloscope to Measure Eye Diagrams and Jitter Histograms of High-Speed Signals. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2014, 22, 1127-1137.	2.1	11
107	Electronically scanned RF-to-bits beam aperture arrays using 2-D IIR spatially bandpass digital filters. Multidimensional Systems and Signal Processing, 2014, 25, 313-335.	1.7	3
108	The first CMOS LNA on a radio telescope. , 2014, , .		7

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109	6-GHz all-pass-filter-based delay-and-sum beamformer in 130nm CMOS. , 2014, , .		11
110	Harmonically Tuned Continuous Class-C Operation Mode for Power Amplifier Applications. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 3017-3027.	2.9	14
111	A 65-nm CMOS 10-GS/s 4-bit Background-Calibrated Noninterleaved Flash ADC for Radio Astronomy. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2014, 22, 2316-2325.	2.1	22
112	Analysis of the ADC resolution for radio astronomy applications. , 2014, , .		5
113	A 3-D spatially-FIR RF frustum digital filter with microwave channelization for FPAs. , 2014, , .		0
114	A 65nm CMOS 0.1&#x2013;2.1GHz linear-in-dB VGA with active-inductor bandwidth extension for the Square Kilometer Array. , 2014, , .		2
115	All-Pass Filter-Based 2-D IIR Filter-Enhanced Beamformers for AESA Receivers. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 1331-1342.	3.5	22
116	A 65Ånm CMOS broadband selfâ€calibrated power detector for the square kilometre array radio telescope. Journal of Engineering, 2014, 2014, 494-502.	0.6	3
117	On the use of multi-path inductorless TIAs for larger transimpedance limit. Analog Integrated Circuits and Signal Processing, 2013, 77, 221-233.	0.9	8
118	Rejection of interference and near-field coupled LNA-noise on FPA-fed multibeam dish antennas using 3D analog filters. , 2013, , .		0
119	Low-power CMOS inductorless bandwidth-enhanced transimpedance amplifier for short-haul applications. , 2013, , .		1
120	A 5GS/s 4-bit time-based single-channel CMOS ADC for radio astronomy. , 2013, , .		16
121	Low-power CMOS inductorless bandwidth-enhanced transimpedance amplifier for short-haul applications. , 2013, , .		0
122	Integrated Design of a Class-J Power Amplifier. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1639-1648.	2.9	68
123	A 2-D Signal Processing Model to Predict the Effect of Mutual Coupling on Array Factor. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1264-1267.	2.4	6
124	A broadband Variable Gain Amplifier for the Square Kilometer Array. , 2013, , .		3
125	An analog-design assistant tool and an example of its application. , 2013, , .		2
126	Low-power CMOS inductorless bandwidth-enhanced transimpedance amplifier for short-haul applications. , 2013, , .		1

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127	Advanced RF and Analog Integrated Circuits for Fourth Generation Wireless Communications and Beyond. International Journal of Microwave Science and Technology, 2013, 2013, 1-2.	0.6	0
128	A Steerable DC-1 GHz all-pass filter-Sum RF space-time 2-D beam filter in 65 nm CMOS. , 2013, , .		16
129	1.6 GHz &#x2013; 3 GHz, 10W, 60% efficiency class-J PA for cognitive radio applications. , 2013, , .		2
130	10-GHz current-mode 1<sup>t</sup>st</sup>- and 2<sup>t</sup>nd</sup>-order allpass filters on 130nm CMOS. , 2013, , .		8
131	Efficiency measurement of 1-D connected array using the Improved Wheeler Cap method. , 2012, , .		0
132	Discrete space continuous time 2D delay block using 2D all-pass frequency planar networks. , 2012, , .		0
133	Comparison of LNAs fabricated in 65-nm CMOS GP and LP processes for the Square Kilometre Array. IEICE Electronics Express, 2012, 9, 636-641.	0.3	6
134	Towards RF analog IC realization of wave-discrete filters on 65nm CMOS. , 2012, , .		0
135	High-quality factor asymmetric-slope band-pass filters: a fractional-order capacitor approach. IET Circuits, Devices and Systems, 2012, 6, 187.	0.9	86
136	Efficiency Measurement of Connected Arrays Using the Improved Wheeler Cap Method. IEEE Transactions on Antennas and Propagation, 2012, 60, 5147-5156.	3.1	5
137	Signal-to-Noise-Ratio-constrained jitter optimization for wideband amplifiers. , 2012, , .		2
138	35.5 GHz Parametric CMOS Upconverter. IEEE Microwave and Wireless Components Letters, 2012, 22, 477-479.	2.0	8
139	RF Analog Beamforming Fan Filters Using CMOS All-Pass Time Delay Approximations. IEEE Transactions on Circuits and Systems I: Regular Papers, 2012, 59, 1061-1073.	3.5	57
140	A bandwidth enhancement technique for CMOS TIAs driven by large photodiodes. , 2012, , .		8
141	Wideband LNA With an Active -C Element. IEEE Microwave and Wireless Components Letters, 2012, 22, 524-526.	2.0	20
142	Wideband CMOS Amplification Stage for a Direct-Sampling Square Kilometre Array Receiver. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 3179-3188.	2.9	11
143	On the Number of Noise Parameters for Analyses of Circuits With MOSFETs. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 877-881.	2.9	11
144	Modelling of wideband inter-element EM coupling in 2D space-time frequency domain. , 2011, , .		4

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145	A new class of spatially-discrete time-continuous 2D IIR filters based on wave-digital-filter theory. , 2011, , .		3
146	Study of Thermal Noise Generated in a Vivaldi Antenna Using the Improved Wheeler Cap Method. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1047-1050.	2.4	10
147	Recent progress on analog/digital VLSI 2D filter circuits for beamforming antenna arrays. , 2011, , .		0
148	Highly-linear time-difference amplifier with low sensitivity to process variations. Electronics Letters, 2011, 47, 743-745.	0.5	21
149	Offset-corrected 5GHz CMOS dynamic comparator using bulk voltage trimming: Design and analysis. , 2011, , .		16
150	A Calibration Method for RF and Microwave Noise Sources. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 178-187.	2.9	16
151	Analog 2D fan filters from discrete domain transfer functions. , 2011, , .		7
152	Band-pass filters with high quality factors and asymmetric-slope characteristics. , 2011, , .		5
153	Evaluation of Tuner-Based Noise-Parameter Extraction Methods for Very Low Noise Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 236-250.	2.9	36
154	Evaluation of packaging options for very low noise amplifiers. , 2010, , .		1
155	A broadband automatic gain control amplifier for the Square Kilometer Array. , 2010, , .		4
156	Noise figure optimization of a noise-cancelling wide-band CMOS LNA. , 2010, , .		6
157	A technique for differential noise figure measurement with a noise figure analyzer [Technical Committee]. IEEE Microwave Magazine, 2009, 10, 158-161.	0.7	5
158	Minimizing the Noise Penalty Due to Mutual Coupling for a Receiving Array. IEEE Transactions on Antennas and Propagation, 2009, 57, 1634-1644.	3.1	92
159	Two-port noise figure optimization of source-degenerated cascode CMOS LNAs. Analog Integrated Circuits and Signal Processing, 2008, 55, 125-137.	0.9	19
160	A Technique for Differential Noise Figure Measurement of Differential LNAs. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 1298-1303.	2.4	27
161	An Image-Reject Low-Noise Amplifier with Passive Q-Enhanced Notch Filters. , 2007, , .		2
162	Sub-0.2 dB Noise Figure Wideband Room-Temperature CMOS LNA With Non-50 $\Omega$ Signal-Source Impedance. IEEE Journal of Solid-State Circuits, 2007, 42, 2492-2502.	3.5	75

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163	Noise figure optimization of wide-band inductively-degenerated CMOS LNAs. Midwest Symposium on Circuits and Systems, 2007, , .	1.0	7
164	Correction to &ldquo;Noise Figure Optimization of Inductively-Degenerated CMOS LNA's With Integrated Gate Inductors&rdquo;. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2007, 54, 925-925.	0.1	0
165	Wide Band Room Temperature 0.35-dB Noise Figure LNA in 90-nm Bulk CMOS. , 2007, , .		22
166	Low Noise Amplifiers. , 2007, , 305-328.		0
167	On Selection of Optimum Signal Source Impedance for Inductively-Degenerated CMOS LNAS. , 2006, , .		3
168	Noise figure optimization of inductively degenerated CMOS LNAs with integrated gate inductors. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2006, 53, 1409-1422.	0.1	83
169	Ultra-Wideband Front-End With Tunable Notch Filter. , 2006, , .		8
170	Linearization Techniques for Cross-Coupled Transconductor Circuits Used in Integrated Q-Enhanced LC Filters. , 2006, , .		4
171	A technique for microwave ranging and remote phase synchronization. IEEE Transactions on Instrumentation and Measurement, 2002, 51, 551-559.	2.4	7
172	Distance measurement with phase-stable CW radio link using the Chinese remainder theorem. Electronics Letters, 2001, 37, 521.	0.5	6
173	<title>The large adaptive reflector: a 200-m diameter wideband centimeter- to meter-wave radio telescope</title>. , 2000, 4015, 33.		7
174	STABILITY AND BIFURCATIONS IN AN ENVIRONMENTAL RECOVERY MODEL OF ECONOMIC AGRICULTURE&#x2013;INDUSTRY INTERACTIONS. Natural Resource Modelling, 1998, 11, 35-79.	0.8	5
175	A dynamical economic model of sustainable agriculture and the ecosphere. Applied Mathematics and Computation, 1997, 84, 221-246.	1.4	9
176	Wide-band CMOS low noise amplifier for applications in radio astronomy. , 0, , .		26
177	Design Equations for Closely Spaced Two-Element Interferometer for Radio Cosmology. , 0, 2, .		1