

Nikolay Butyrlagin

List of Publications by Year in descending order

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35
papers

104
citations

2681738

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2272555

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36
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docs citations

36
times ranked

17
citing authors

#	ARTICLE	IF	CITATIONS
1	Basic concept of linear synthesis of multi-valued digital structures in linear spaces. , 2014, , .		12
2	The main connection circuits of the radiation-hardened differential difference amplifier based on the bipolar and field effect technological process. , 2014, , .		12
3	The method of speeding of the operational amplifiers based on the folded cascode. , 2016, , .		10
4	The linear concept of logical synthesis of digital IP-modules of control and communication systems. , 2015, , .		9
5	Design of low-temperature DDOAs on the elements of BiJFet array chip MH2XA030. Serbian Journal of Electrical Engineering, 2018, 15, 233-247.	0.2	7
6	The multifunctional current logical element for digital computing devices, operating on the principles of linear (not boolean) algebra. , 2016, , .		6
7	The radiation-hardened instrumentation amplifier based on the differential difference operational amplifier for BiJFET technological process. , 2015, , .		5
8	The differential and differential difference operational amplifiers of sensor systems based on bipolar-field technological process AGAMC. , 2016, , .		5
9	The reconfigurable radiation-hardened differential difference operational amplifier and its main connection circuits in sensor systems. , 2015, , .		4
10	Micropower high-speed CMOS operational amplifier with the circuit of nonlinear correction of the input stage. , 2015, , .		4
11	SiGe Selective Amplifier of Microwave Range with High Asymptotic Attenuation. , 2014, , .		3
12	Differential Difference Amplifiers in the Second Order Low-Sensitive All-Pass Active RC-Filters. , 2020, , .		3
13	All-Pass RC-Filters Architecture with Independent Adjustment of the Main Parameters Based on Differential Difference Amplifiers. Advances in Science, Technology and Engineering Systems, 2019, 4, 65-72.	0.4	3
14	The synthesis of the correction circuit of the high speed sensors of the physical quantities and current-voltage converters with the parasitic capacitance. , 2014, , .		2
15	A method of increasing the stability of the zero level analog circuits based on the “Folded” cascode with the high-impedance point branch in the terms of temperature and radiation effects. , 2014, , .		2
16	The Architectures of the Differential Amplifiers on SiGe Bipolar Transistors with Low Voltage Supply. , 2014, , .		2
17	Methods of Increasing Voltage Gain of the Low-Voltage Classical Stages. , 2014, , .		2
18	Zero level of BiJFet-differential difference operational amplifiers and methods of its decrease in conditions of low temperatures and radiation effect. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
19	Linear algebra as an alternative approach to the synthesis of digital devices of automation and control systems. Advances in Science, Technology and Engineering Systems, 2018, 3, 168-190.	0.4	2
20	Circuit and connection design of microwave differential difference amplifiers. , 2014, , .		1
21	The correction circuits for the broadband resistive voltage dividers with the capacitive load. , 2014, , .		1
22	The peculiarities of the structural optimization of the energy-efficient precision ARC-filters on the base of classical and differential difference operational amplifiers. , 2015, , .		1
23	The synthesis of compensation circuits of parasitic capacitances of the output circuit of classical broadband amplifiers of signal and telecommunications systems. , 2015, , .		1
24	The radiation-hardened BifFet differential amplifiers with negative current feedback on the common-mode signal. , 2016, , .		1
25	The differential difference amplifiers of sensor systems with input transistors of various physical nature. , 2016, , .		1
26	Design of Two-Valued and Multivalued Current Digital Adders Based on the Mathematical Tool of Linear Algebra. , 2018, , .		1
27	Two-Channel Active RC-Filter with a Differential Input for Processing Signals of a Piezoelectric Transducer. , 2020, , .		1
28	Linear Logic Synthesis of Multi-Valued Sequential Circuits. Advances in Science, Technology and Engineering Systems, 2019, 4, 430-442.	0.4	1
29	Selective amplifier microwave-based non-inverting repeater AC current element basis of radiation resistant SiGe process technology. , 2014, , .		0
30	The input analog section of the ultrafast ADCs. , 2014, , .		0
31	The basic circuit frequency correction basic dynamic parameters of sensors of physical quantities with the potential output. , 2014, , .		0
32	Designing transmission lines EHF range with the end conductor on the substrate for hybrid integrated circuits. , 2014, , .		0
33	Operation-routing sequence of production of the radiation-hardened microcircuits of the structured array MH2XA010 for multichannel sensor systems. , 2016, , .		0
34	The multifunctional programmable multiplexer of potential signals of sensors. , 2016, , .		0
35	Multi-Functional Programmable Active RC-Filters with Digital Elements for Parameter Resetting. , 2020, , .		0