

Anna V Bugakova

List of Publications by Year in descending order

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Version: 2024-02-01

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citing authors

#	ARTICLE	IF	CITATIONS
1	BijFet Array Chip MH2XA030 – a Design Tool for Radiation-Hardened and Cryogenic Analog Integrated Circuits. , 2018, , .		15
2	Cryogenic Operational Amplifier on Complementary JFETs. , 2018, , .		13
3	Low-temperature BijFet Op-Amp with high slew rate. , 2017, , .		10
4	Estimation to Efficiency of the Using of Anti-Alias Filter in the A/D Interface of Instrumentation and Control Systems. , 2018, , .		9
5	The design of the circuits of radiation-hardened charge-sensitive amplifiers based on the structured array (MH2XA010) and the array chip (AC-2.1). , 2016, , .		8
6	Basic Parameters and Characteristics of the Op-Amp Based on the BijFet Array Chip MH2XA030 Intended for the Design of Radiation-Hardened and Cryogenic Analog ICs. , 2018, , .		6
7	The microcircuits MH2XA010-02/03 for signal processing of optoelectronic sensors. , 2017, , .		5
8	Silicon Photomultipliers' Analog Interface with Wide Dynamic Range. , 2019, , .		5
9	The Differentiating Correction Circuits in Complementary Buffer Amplifiers. , 2018, , .		4
10	Selection of the Band-Pass Range of the Normalizing Signal Transducer of the Sensing Element in the Instrumentation and Control Systems. , 2018, , .		3
11	Basic Functional CJFet Op-Amp Nodes for Operation at Low Temperatures and at Conditions of Penetrating Radiation. , 2019, , .		3
12	Structured Array for Designing High-Speed Multichannel ICs for Nuclear Electronics. IEEE Transactions on Nuclear Science, 2019, 66, 2305-2311.	2.0	3
13	Active RC-Filter with Differential Input for Signal Processing of Piezoelectric Sensors. , 2019, , .		3
14	Modernization of Low-Temperature JFET Models Built into LTspice CAD Systems, Taking into Account the Results of their Experimental Study. , 2020, , .		3
15	Accuracy Increase of Discrete Sensors With Time Delay. IEEE Sensors Journal, 2020, 20, 11400-11404.	4.7	3
16	Overview of the Nonlinear Dynamic's Basic Equations of Op-Amps in Large Signal Mode. , 2022, , .		3
17	The Complementary Buffer Amplifiers with Low Static Current Consumption for Low-Voltage Analog Microcircuits. , 2018, , .		2
18	The Comparative Analysis of the Maximum Slew Rate of the Output Voltage BJT and CMOS (SiGe TSMC) Tj ETQq0 0 0 rgBT /Qverlock 10		2

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19	The Third Order Active Low-Pass RC-Filters Based on Differential and Differential Difference Operational Amplifiers. , 2019, , .		2
20	Mathematical Analysis of Transients of the High-Speed Buffer Amplifier with the Complementary Composite Transistors in Nonlinear Mode. , 2019, , .		2
21	Influence of Penetrating Radiation on Current- Voltage Characteristics of Complementary JFETs. , 2019, , .		2
22	CJFET Op-Amp without Current Mirrors for Low Temperature Applications. , 2021, , .		2
23	The radiation-hardened BijFet differential amplifiers with negative current feedback on the common-mode signal. , 2016, , .		1
24	Method of op-amp speeding increase, basing on introduction of the nonlinear differentiating circuit. , 2018, , .		1
25	Transients in the operational amplifier with a square-law transfer characteristic of the compensating capacitor driver. , 2018, , .		1
26	Method for Speeding a Differential Operational Amplifier in the Invert Connection Circuit. , 2018, , .		1
27	Features of Increasing the Fast Response of Differential Operational Amplifiers on the Basis of a "Folded" Cascode. , 2018, , .		1
28	The Non-Linear Differentiating Circuits of Correction of Transient Process in Differential Operational Amplifiers. , 2018, , .		1
29	Test Chip for Identifying Spice-Parameters of Cryogenic BiFET Circuits. , 2019, , .		1
30	Design of Low-Temperature and Radiation-Hardened JFET Direct Coupled Op-Amps without Current Mirrors. , 2020, , .		1
31	Precision Radiation-Hardened BijFet OP AMP for Low-temperature Analog Interfaces Sensors. Global Nuclear Safety, 2017, 13, 36-45.	0.3	1
32	The Static Parameters of the Comparators and the Charge-Sensitive Amplifiers of the $\text{D}\alpha\text{E}\text{D}2\text{D}\text{Y}\text{D}010$ Structured Array at Gamma Emission Influence. Global Nuclear Safety, 2017, 11, 38-46.	0.3	1
33	Dynamic errors of broadband Chebyshev bandpass filters switched on at the ADC input in automatic control systems. , 2022, , .		1
34	The method of classical bridge speeding with the parasitic capacitances across the diagonally opposite pair of junctions. , 2017, , .		0
35	The impact of radiation on volt-ampere characteristics of SiGe transistors. , 2017, , .		0
36	Method for Practical Use of Parasitic Capacitances of Reference Current Sources in Dual-Input-Stages for Increasing the SR of Operational Amplifiers in Inverting Connection Circuits. , 2018, , .		0

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37	The Two-Channel Instrumentation Amplifier Based on a New Radiation-Hardened Microcircuit MH2XA010â€“03 for Reading Signals of Differential Piezoelectric Converters. , 2018, , .		0
38	Harmonic Distortions in Analog Interfaces Based on Differential Difference Amplifiers. , 2019, , .		0
39	Circuit Features of Multichannel Chips of Reading Electronics of Silicone Photomultiplier Tubes. , 2019, , .		0
40	Prospects for Development of Fast Recovery Power GaAs SBD on the basis of LPE-Technology. , 2019, , .		0
41	Current Digital Logical Elementsâ€™ Synthesis and Circuitry: Linear Threshold Approach. , 2019, , .		0
42	The Amplitude Responses of the Basic Connection Circuit of a Differential Difference Operational Amplifier in Analog Sensor Interfaces with Nonlinear Input Stages. , 2019, , .		0
43	The Multi-Criteria Optimization in the LTspice Simulation Software of a JFet class AB Buffer Amplifier for Operation at Low Temperatures. , 2019, , .		0
44	A Method for Increasing the Low-Temperature Stability of Steady-State Behavior and Common-Mode Interference Resistance CJFET Dual-Input-Stages. , 2019, , .		0
45	Features of JFET Computer Models in Microcurrent Mode on Exposure to Low Temperatures and Neutron Fluence. , 2020, , .		0
46	The Research Methodology of Dependence Mode at Parameters Dispersion of a Differential Pair on Integral JFETs in a Radiation-Hardened Structured Array MH2XA010. , 2020, , .		0
47	Microwave High-Voltage CBiCJFET Technology for Analog Integrated Circuits. , 2020, , .		0
48	The Radiation Effect on the Parameters of Reference Voltage Sources and Charge-Sensitive Amplifiers of the Structured Array MH2XA010. , 2018, , .		0
49	Low-temperature micropower CJFET OpAmp with reduced V_{zero} value. , 2021, , .		0