

# Anna V Bugakova

## List of Publications by Year in descending order

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49  
papers

120  
citations

2682572

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52  
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times ranked

22  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic errors of broadband Chebyshev bandpass filters switched on at the ADC input in automatic control systems. , 2022, , .		1
2	Overview of the Nonlinear Dynamic's Basic Equations of Op-Amps in Large Signal Mode. , 2022, , .		3
3	CJFET Op-Amp without Current Mirrors for Low Temperature Applications. , 2021, , .		2
4	Low-temperature micropower CJFET OpAmp with reduced $V_{\text{zero}}$ value. , 2021, , .		0
5	Design of Low-Temperature and Radiation-Hardened JFET Direct Coupled Op-Amps without Current Mirrors. , 2020, , .		1
6	Features of JFET Computer Models in Microcurrent Mode on Exposure to Low Temperatures and Neutron Fluence. , 2020, , .		0
7	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
8	Modernization of Low-Temperature JFET Models Built into LTspice CAD Systems, Taking into Account the Results of their Experimental Study. , 2020, , .		3
9	Microwave High-Voltage CBiCJFET Technology for Analog Integrated Circuits. , 2020, , .		0
10	Accuracy Increase of Discrete Sensors With Time Delay. IEEE Sensors Journal, 2020, 20, 11400-11404.	4.7	3
11	Basic Functional CJFet Op-Amp Nodes for Operation at Low Temperatures and at Conditions of Penetrating Radiation. , 2019, , .		3
12	Harmonic Distortions in Analog Interfaces Based on Differential Difference Amplifiers. , 2019, , .		0
13	Circuit Features of Multichannel Chips of Reading Electronics of Silicone Photomultiplier Tubes. , 2019, , .		0
14	Prospects for Development of Fast Recovery Power GaAs SBD on the basis of LPE-Technology. , 2019, , .		0
15	Current Digital Logical Elements™ Synthesis and Circuitry: Linear Threshold Approach. , 2019, , .		0
16	The Third Order Active Low-Pass RC-Filters Based on Differential and Differential Difference Operational Amplifiers. , 2019, , .		2
17	Mathematical Analysis of Transients of the High-Speed Buffer Amplifier with the Complementary Composite Transistors in Nonlinear Mode. , 2019, , .		2
18	Influence of Penetrating Radiation on Current- Voltage Characteristics of Complementary JFETs. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
19	The Amplitude Responses of the Basic Connection Circuit of a Differential Difference Operational Amplifier in Analog Sensor Interfaces with Nonlinear Input Stages. , 2019, , .		0
20	Structured Array for Designing High-Speed Multichannel ICs for Nuclear Electronics. IEEE Transactions on Nuclear Science, 2019, 66, 2305-2311.	2.0	3
21	Silicon Photomultipliers' Analog Interface with Wide Dynamic Range. , 2019, , .		5
22	Test Chip for Identifying Spice-Parameters of Cryogenic BiFET Circuits. , 2019, , .		1
23	The Multi-Criteria Optimization in the LTspice Simulation Software of a JFet class AB Buffer Amplifier for Operation at Low Temperatures. , 2019, , .		0
24	Active RC-Filter with Differential Input for Signal Processing of Piezoelectric Sensors. , 2019, , .		3
25	A Method for Increasing the Low-Temperature Stability of Steady-State Behavior and Common-Mode Interference Resistance CJFET Dual-Input-Stages. , 2019, , .		0
26	Method of op-amp speeding increase, basing on introduction of the nonlinear differentiating circuit. , 2018, , .		1
27	Transients in the operational amplifier with a square-law transfer characteristic of the compensating capacitor driver. , 2018, , .		1
28	Cryogenic Operational Amplifier on Complementary JFETs. , 2018, , .		13
29	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
30	Selection of the Band-Pass Range of the Normalizing Signal Transducer of the Sensing Element in the Instrumentation and Control Systems. , 2018, , .		3
31	BijFet Array Chip MH2XA030 â€” a Design Tool for Radiation-Hardened and Cryogenic Analog Integrated Circuits. , 2018, , .		15
32	Estimation to Efficiency of the Using of Anti-Alias Filter in the A/D Interface of Instrumentation and Control Systems. , 2018, , .		9
33	Method for Speeding a Differential Operational Amplifier in the Invert Connection Circuit. , 2018, , .		1
34	Features of Increasing the Fast Response of Differential Operational Amplifiers on the Basis of a "Folded" Cascode. , 2018, , .		1
35	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
36	The Two-Channel Instrumentation Amplifier Based on a New Radiation-Hardened Microcircuit MH2XA010â€“03 for Reading Signals of Differential Piezoelectric Converters. , 2018, , .		0

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37	The Non-Linear Differentiating Circuits of Correction of Transient Process in Differential Operational Amplifiers. , 2018, , .		1
38	The Complementary Buffer Amplifiers with Low Static Current Consumption for Low-Voltage Analog Microcircuits. , 2018, , .		2
39	The Comparative Analysis of the Maximum Slew Rate of the Output Voltage BJT and CMOS (SiGe TSMC) Tj ETQq1 1 0.784314 rgBT /C		2
40	The Differentiating Correction Circuits in Complementary Buffer Amplifiers. , 2018, , .		4
41	The Radiation Effect on the Parameters of Reference Voltage Sources and Charge-Sensitive Amplifiers of the Structured Array MH2XA010. , 2018, , .		0
42	The microcircuits MH2XA010-02/03 for signal processing of optoelectronic sensors. , 2017, , .		5
43	Low-temperature BijFet Op-Amp with high slew rate. , 2017, , .		10
44	The method of classical bridge speeding with the parasitic capacitances across the diagonally opposite pair of junctions. , 2017, , .		0
45	The impact of radiation on volt-ampere characteristics of SiGe transistors. , 2017, , .		0
46	Precision Radiation-Hardened BijFet OP AMP for Low-temperature Analog Interfaces Sensors. Global Nuclear Safety, 2017, 13, 36-45.	0.3	1
47	The Static Parameters of the Comparators and the Charge-Sensitive Amplifiers of the ДœĐĐĐĐĐ010 Structured Array at Gamma Emission Influence. Global Nuclear Safety, 2017, 11, 38-46.	0.3	1
48	The radiation-hardened BijFet differential amplifiers with negative current feedback on the common-mode signal. , 2016, , .		1
49	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