

Andriy O Semenov

List of Publications by Year in descending order

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63
papers

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citations

2258059

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64
all docs

64
docs citations

64
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110
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of phase and amplitude-phase methods for measuring a reactive element quality factor. Measurement: Journal of the International Measurement Confederation, 2022, 187, 110271.	5.0	3
2	Developing and Investigating the Analyzers of Kinematic Viscosity and Density of Petroleum Products on Throttle Bridge Transducers. Inventions, 2022, 7, 6.	2.5	1
3	Physical Parameters of the Synthesized Semiconductor Material Based on a Heterometallic Complex Compound of Copper (II) with N, N'-Bis(Salicylidene)Semicarbazide. , 2022, , .		1
4	Optical Sensor with Frequency Output Based on Resonant Tunneling Diode. , 2022, , .		0
5	Study of the radiation pattern of a rectangular horn antenna in the operation of multimode propagation of electromagnetic waves. Technology Audit and Production Reserves, 2022, 2, 50-55.	0.2	0
6	Pulse and Multifrequency Van der Pol Generators Based on Transistor Structures with Negative Differential Resistance for Infocommunication System Facilities. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 127-158.	0.7	0
7	Van der Pol Oscillators Based on Transistor Structures with Negative Differential Resistance for Infocommunication System Facilities. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 43-78.	0.7	1
8	Design of Spectrum Analyzer for Radio Signals. , 2021, , .		1
9	Research of Electromagnetic Compatibility of Electronic Automotive Equipment. , 2021, , .		1
10	Measuring quality factors of the radio-frequency system components using equivalent circuits. Journal of Computational Electronics, 2021, 20, 1977-1991.	2.5	1
11	USING STEALTH TECHNOLOGIES IN MOBILE ROBOTIC COMPLEXES AND METHODS OF DETECTION OF LOW-SIGHTED OBJECTS. Informatyka Automatyka Pomiary W Gospodarce I Ochronie Āšrodowiska, 2021, 11, 4-8.	0.4	2
12	Research of Dynamic Processes in the Deterministic Chaos Oscillator Based on the Colpitts Scheme and Optimization of Its Self-oscillatory System Parameters. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 181-205.	0.7	2
13	Radiomeasuring Optical-Frequency Converters Based on Reactive Properties of Transistor Structures with Negative Differential Resistance. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 229-261.	0.7	1
14	Single-Mode and Multimode Operation of the Rectangular Waveguide with a Spherical Ferrite Probe. , 2021, , .		0
15	Design of Digital Data Selectors on FPGA in a Laboratory Environment. , 2021, , .		0
16	Development and Research of Models and Processes of Formation in Silicon Plates p-n Junctions and Hidden Layers under the Influence of Ultrasonic Vibrations and Mechanical Stresses. Key Engineering Materials, 2020, 844, 155-167.	0.4	3
17	Strapdown Inertial Navigation Systems for Positioning Mobile Robotsâ€™ MEMS Gyroscopes Random Errors Analysis Using Allan Variance Method. Sensors, 2020, 20, 4841.	3.8	13
18	Microwave Oscillator on Transistor Structures with Dielectric Resonators. , 2020, , .		4

#	ARTICLE	IF	CITATIONS
19	Nanoelectronic Pressure Transducer with a Frequency Output Based on a Resonance Tunnel Diode. , 2020, , .		2
20	Simulation of the Chaotic Dynamics of the Deterministic Chaos Transistor Oscillator based on the Hartley Circuit. , 2020, , .		2
21	Increasing the sensitivity of measurement of a moisture content in crude oil. Naukovi Visnyk Natsionalnoho Hirnychoho Universytetu, 2020, , 49-53.	0.7	3
22	Mathematical Model of Microwave Devices on Resonant Tunneling Diodes for Practical Application in Radar and Electronic Systems. , 2020, , .		4
23	The Neural Network for Vertical Handover Procedure. , 2020, , .		2
24	IMPROVEMENT OF PARAMETERS OF ACTIVE FILTERS FOR PROCESSING OF MEASURING ELECTRICAL SIGNALS FROM PRIMARY SENSORS OF SENSORS. Ukrainian Metrological Journal, 2020, .	0.1	0
25	Neuro-Fuzzy Controller for Handover Operation in 5G Heterogeneous Networks. , 2019, , .		4
26	Differential method for measuring the maximum achievable transmission coefficient of active microwave quadripole. Journal of Physics: Conference Series, 2019, 1210, 012125.	0.4	3
27	Observation Trajectory Model for Radio-Frequency Aviation Landing Systems. , 2019, , .		3
28	A Deterministic Chaos Ring Oscillator Based on a MOS Transistor Structure with Negative Differential Resistance. , 2019, , .		7
29	Real-Time Video Processing System based on Field Programmable Gate Array. , 2019, , .		6
30	Development of a non-standard system of microwave quadripoles parameters. , 2019, , .		4
31	Numerical method for processing frequency measuring signals from microelectronic sensors based on transistor structures with negative differential resistance. , 2019, , .		3
32	Computer-measuring system of the induction motorâ€™s dynamical torque-speed characteristics. Bulletin of the Karaganda University Physics Series, 2019, 94, 92-100.	0.2	0
33	Applying artificial intelligence for cellular networks optimization. , 2019, , .		0
34	Mathematical modeling of the two-stage chaotic colpitis oscillator. , 2018, , .		3
35	Signal Statistic and Informational Parameters of Deterministic Chaos Transistor Oscillators for Infocommunication Systems. , 2018, , .		8
36	A Hybrid Approach to Call Admission Control in 5G Networks. Advances in Fuzzy Systems, 2018, 2018, 1-7.	0.9	11

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37	Numerical Simulation of the Chua's Oscillator Based on a MOSFET Structure with a Cubic Nonlinearity. , 2018, , .		2
38	Frequency Divider Based on a Transistor Structure with Negative Resistance and an I-V curve of \hat{b} -type. , 2018, , .		2
39	Numerical study of the deterministic chaos oscillator with a differential integral element on the colpitts circuit. , 2018, , .		2
40	Genetic ANFIS for scheduling in telecommunication networks. , 2018, , .		0
41	Radiofrequency deterministic chaos oscillator based on a transistor structure with negative resistance. Numerical researching. , 2017, , .		0
42	Mathematical model of the microelectronic oscillator based on the BJT-MOSFET structure with negative differential resistance. , 2017, , .		6
43	The neuro-fuzzy controller for handover operation in mobile networks. , 2017, , .		3
44	Experimental research of the deterministic chaos oscillator based on a bipolar transistor structure with negative differential resistance. , 2017, , .		0
45	Modeling the deterministic chaos microelectronic oscillator based on the bipolar transistor structure with negative resistance. , 2017, , .		0
46	The neuro-fuzzy controller for routing in telecommunication networks. , 2017, , .		0
47	Numerical researching the radiofrequency Chua's oscillator based on a device with negative differential resistance. , 2017, , .		1
48	Numerical method for processing frequency measuring signals from microelectronic sensors based on transistor structures with negative resistance. , 2017, , .		0
49	Access neuro-fuzzy controller for W-CDMA networks. , 2017, , .		0
50	Deterministic chaos oscillator based on a bipolar and field-effect transistor structure with negative resistance. , 2016, , .		3
51	Routing in telecommunication networks using fuzzy logic. , 2016, , .		12
52	The chaos oscillator with inertial non-linearity based on a transistor structure with negative resistance. , 2016, , .		20
53	The additive white Gaussian noise impact on the deterministic chaos oscillator based on a field-effect transistor structure with negative resistance. , 2016, , .		0
54	Reviewing the mathematical models and electrical circuits of deterministic chaos transistor oscillators. , 2016, , .		9

#	ARTICLE	IF	CITATIONS
55	Mathematical simulation of the chaotic oscillator based on a field-effect transistor structure with negative resistance. , 2016, , .		14
56	The Van der Pol's mathematical model of the voltage-controlled oscillator based on a transistor structure with negative resistance. , 2016, , .		17
57	Comparative analysis of radiomeasuring frequency converters of the magnetic field. , 2016, , .		1
58	The UHF oscillators based on a HEMT structure with negative conductivity. , 2015, , .		14
59	The fuzzy-controller for WiMAX networks. , 2015, , .		9
60	Access fuzzy controller for CDMA networks. , 2013, , .		11
61	The fuzzy neural networks with ternary encoding. , 2013, , .		0
62	Experimental research and simulation of microwave oscillator based on structure of static inductance transistor with negative resistance. , 2010, , .		15
63	Statistical Express Control of the Peak Values of the Differential-Thermal Analysis of Solid Materials. Solid State Phenomena, 0, 291, 28-41.	0.3	9