

# Ignatkov Kirill A

## List of Publications by Year in descending order

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53  
papers

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citations

1307594

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53  
docs citations

53  
times ranked

19  
citing authors

#	ARTICLE	IF	CITATIONS
1	Relationship of Signal and Noise Characteristics of Autodynes with Frequency Modulation as Function of Distance to Location Object. Radioelectronics and Communications Systems, 2021, 64, 216-227.	0.5	1
2	Features of the Formation and Processing of Signals in an Autodyne Radar with Frequency Modulation Taking into Account the Nonlinearity of the Modulation Characteristic. Ural Radio Engineering Journal, 2021, 5, 119-143.	0.1	2
3	Method for increasing noise resistance of radar sensors with frequency selection. Ural Radio Engineering Journal, 2021, 5, 284-304.	0.1	0
4	Autodyne Effect in Microwave Oscillators with Injection Locking. Journal of Communications Technology and Electronics, 2020, 65, 651-658.	0.5	0
5	Features of Noise Characteristics of Frequency-Modulated Autodyne Radars. , 2020, , .		0
6	The Influence of Concomitant AM on the Formation of FM Autodyne Radars Signals. Ural Radio Engineering Journal, 2020, 4, 127-166.	0.1	0
7	THE DYNAMICS OF ALUTODYNE SIGNAL AND NOISE CHARACTERISTIC FORMATION AT HIGH TARGET SPEEDS. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2020, 79, 493-508.	0.4	0
8	Autodyne Response Formation in Injection-Locked Microwave Oscillators. , 2020, , .		0
9	Frequency Deviation of Injection-Locked Microwave Autodynes. Radioengineering, 2019, 28, 721-728.	0.6	3
10	Autodyne signal features of frequency-locked microwave oscillators. ITM Web of Conferences, 2019, 30, 12012.	0.5	3
11	Dynamic characteristics of frequency-locked autodynes. ITM Web of Conferences, 2019, 30, 12009.	0.5	2
12	Autodyne Effect of the System Involving Two Mutually Synchronized Oscillators under Strong Coupling. Journal of Communications Technology and Electronics, 2018, 63, 180-188.	0.5	4
13	Signal Modeling of the Autodyne Short-Range Radar System at Presence of the Radar Target in the Antenna Near-Zone. , 2018, , .		0
14	The influence of load variations on the of autodyne response formation in microwave oscillators under strong reflected emission. , 2018, , .		1
15	Influence of a Reflected Emission Level on Signal Formation in Autodynes with Oscillation Frequency Stabilization. , 2018, , .		0
16	Analysis of Coupling Degree Influence Between Resonators on Autodyne Characteristics of Stabilized Oscillators. , 2018, , .		0
17	Gas turbine engine in-flight diagnostics using 3D vibration spectra. , 2018, , .		13
18	FEATURES OF AUTODYNE SIGNAL FORMATION WITH EXTERNAL DETECTOR. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2018, 76, 1463-1475.	0.4	1

#	ARTICLE	IF	CITATIONS
19	Fluctuation characteristics of autodyne radars with frequency modulation. Radioelectronics and Communications Systems, 2017, 60, 123-131.	0.5	6
20	Influence of the autodyne oscillator coupling degree with antenna upon its transfer and noise characteristics. , 2017, , .		0
21	Autodyne effect application for stability analysis of the steady-state mode of UHF oscillating systems. , 2017, , .		0
22	Signal analysis of a double-diode autodyne. , 2017, , .		0
23	Moving object signal peculiarities of an autodyne radar with symmetric saw-tooth FM law. , 2017, , .		0
24	Signals from a moving object of autodyne radars with linear frequency modulation. , 2017, , .		1
25	Signals of Autodyne Sensors with Sinusoidal Frequency Modulation. Radioengineering, 2017, 26, 1182-1190.	0.6	8
26	Diffraction influence of reflected emission from the radar object upon autodyne radar signal formation. , 2017, , .		2
27	Influence of coupling between an oscillator and an antenna on autodyne transponder features in the frequency locking mode. , 2017, , .		0
28	Moving Object Signal Analysis of Autodyne Radars with Linear Types of Frequency. Ural Radio Engineering Journal, 2017, 1, 24-54.	0.1	2
29	SIGNALS FROM DISTRIBUTED TARGETS OF AUTODYNE SRR WITH PULSE AMPLITUDE MODULATION. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2017, 76, 1201-1217.	0.4	1
30	Experimental research of railway carriage location methods at classification yards. , 2016, , .		0
31	Application of Two-Diode Autodynes in Devices for Radiowave Control of Product Dimensions. Measurement Techniques, 2016, 59, 715-721.	0.6	15
32	Peculiarities of signal and noise characteristics of FMCW ayutodyne radar. , 2016, , .		2
33	Noise characteristics of autodynes with frequency stabilization by means of an external high-Q cavity. Journal of Communications Technology and Electronics, 2016, 61, 1052-1063.	0.5	21
34	Particularities of double-diode autodyne characteristics. , 2016, , .		2
35	Mathematical model of FM autodyne radar. , 2016, , .		4
36	Main expressions for anaslysis of signals and noise of FM autodyne radar. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
37	Calculation of autodyne radar noise parameters. , 2016, , .		1
38	Mathematical model of double-diode autodyne. , 2016, , .		2
39	Experimental studies of the 8-mm wave Gunn diode autodynes. , 2016, , .		0
40	Application of double-diode autodynes in control systems for technological processes. , 2016, , .		0
41	SIGNALS OF AUTODYNE RADARS WITH FREQUENCY MODULATION ACCORDING TO SYMMETRIC SAW-TOOTH LAW. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and) Tj ETQq1 1 0.784314 rgrBT /Overlock 10 T	0.4	10
42	Peculiarities of signal formation of the autodyne short-range radar with linear frequency modulation. VĀsnik NacĀonalĀnogo TehnĀĀnogo UnĀversitetu UkraĀni KĀĀvsĀkij PolĀ-tehnĀĀnij ĀErnst: SerĀĀ RadĀ-otehnĀ-ka, RadĀ-oaparatabuduvannĀĀ, 2016, .		1
43	OUTPUT, SIGNAL AND NOISE PARAMETERS OF AUTODYNES WITH A RIGID CONDUCTANCE CHARACTERISTIC OF AN ACTIVE ELEMENT. Telecommunications and Radio Engineering (English Translation of) Tj ETQq1 1 0.784314 rgrBT /Overlock 10 T	0.4	10
44	Influence of oscillation frequency on autodyne characteristics in operating range of gunn diodes. , 2014, , .		0
45	Calculation of differential and equivalent parameters of autodyne oscillators based on the approximation characteristics of gunn diodes. , 2014, , .		1
46	About applicability of quasi-statistic method of autodyne systems analysis. Radioelectronics and Communications Systems, 2014, 57, 139-148.	0.5	13
47	Peculiarities of Noise Characteristics of Autodynes Under Strong External Feedback. Russian Physics Journal, 2014, 56, 1445-1460.	0.4	22
48	Dynamics of autodyne response formation in microwave generators. Radioelectronics and Communications Systems, 2013, 56, 227-242.	0.5	6
49	Dynamic features of autodyne signals. Russian Physics Journal, 2013, 56, 420-428.	0.4	10
50	Radar sensors for hump yard and rail crossing applications. , 2013, , .		0
51	AUTODYNE SIGNALS IN CASE OF RANDOM DELAY TIME OF THE REFLECTED RADIATION. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2013, 72, 1521-1536.	0.4	12
52	Autodyne sensors for hump yard and rail crossing applications. , 2012, , .		1
53	The impact of resonator detuning on autodyne characteristics of stabilized microwave generators. Radioelectronics and Communications Systems, 2011, 54, 625-637.	0.5	6