

Ignatkov Kirill A

List of Publications by Year in descending order

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all docs

53
docs citations

53
times ranked

19
citing authors

#	ARTICLE	IF	CITATIONS
1	Peculiarities of Noise Characteristics of Autodynes Under Strong External Feedback. Russian Physics Journal, 2014, 56, 1445-1460.	0.4	22
2	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
3	Application of Two-Diode Autodynes in Devices for Radiowave Control of Product Dimensions. Measurement Techniques, 2016, 59, 715-721.	0.6	15
4	About applicability of quasi-statistic method of autodyne systems analysis. Radioelectronics and Communications Systems, 2014, 57, 139-148.	0.5	13
5	Gas turbine engine in-flight diagnostics using 3D vibration spectra. , 2018, , .		13
6	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
7	Dynamic features of autodyne signals. Russian Physics Journal, 2013, 56, 420-428.	0.4	10
8	Signals of Autodyne Sensors with Sinusoidal Frequency Modulation. Radioengineering, 2017, 26, 1182-1190.	0.6	8
9	Peculiarities of signal formation of the autodyne short-range radar with linear frequency modulation. VĀ-snik NacĀ-onalĒnogo TehnĀ-Ānogo UnĀ-versitetu UkraĀ'ni KĀ-Ā-vsĒkij PolĀ-tehnĀ-Ānij ĀCenĀr: SerĀ-Āc RadĀ-otehnĀ-ka, RadĀ-ooparatobuduvannĀc, 2016, .		8
10	The impact of resonator detuning on autodyne characteristics of stabilized microwave generators. Radioelectronics and Communications Systems, 2011, 54, 625-637.	0.5	6
11	Dynamics of autodyne response formation in microwave generators. Radioelectronics and Communications Systems, 2013, 56, 227-242.	0.5	6
12	Fluctuation characteristics of autodyne radars with frequency modulation. Radioelectronics and Communications Systems, 2017, 60, 123-131.	0.5	6
13	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 rgB4 /OverlĀck 10 T		6
14	Mathematical model of FM autodyne radar. , 2016, , .		4
15	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
16	Frequency Deviation of Injection-Locked Microwave Autodynes. Radioengineering, 2019, 28, 721-728.	0.6	3
17	Autodyne signal features of frequency-locked microwave oscillators. ITM Web of Conferences, 2019, 30, 12012.	0.5	3
18	Peculiarities of signal and noise characteristics of FMCW ayutodyne radar. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
19	Particularities of double-diode autodyne characteristics. , 2016, , .		2
20	Mathematical model of double-diode autodyne. , 2016, , .		2
21	Diffraction influence of reflected emission from the radar object upon autodyne radar signal formation. , 2017, , .		2
22	Dynamic characteristics of frequency-locked autodynes. ITM Web of Conferences, 2019, 30, 12009.	0.5	2
23	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
24	Moving Object Signal Analysis of Autodyne Radars with Linear Types of Frequency. Ural Radio Engineering Journal, 2017, 1, 24-54.	0.1	2
25	Autodyne sensors for hump yard and rail crossing applications. , 2012, , .		1
26	Calculation of differential and equivalent parameters of autodyne oscillators based on the approximation characteristics of gunn diodes. , 2014, , .		1
27	Calculation of autodyne radar noise parameters. , 2016, , .		1
28	Signals from a moving object of autodyne radars with linear frequency modulation. , 2017, , .		1
29	The influence of load variations on the of autodyne response formation in microwave oscillators under strong reflected emission. , 2018, , .		1
30	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
31	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
32	OUTPUT, SIGNAL AND NOISE PARAMETERS OF AUTODYNES WITH A RIGID CONDUCTANCE CHARACTERISTIC OF AN ACTIVE ELEMENT. Telecommunications and Radio Engineering (English Translation of) Tj ETQqO 0 0 rgBT /Overlock 10If 50 217		1
33	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
34	Radar sensors for hump yard and rail crossing applications. , 2013, , .		0
35	Influence of oscillation frequency on autodyne characteristics in operating range of gunn diodes. , 2014, , .		0
36	Experimental research of railway carriage location methods at classification yards. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
37	Main expressions for analysis of signals and noise of FM autodyne radar. , 2016, , .		0
38	Experimental studies of the 8-mm wave Gunn diode autodynes. , 2016, , .		0
39	Application of double-diode autodynes in control systems for technological processes. , 2016, , .		0
40	Influence of the autodyne oscillator coupling degree with antenna upon its transfer and noise characteristics. , 2017, , .		0
41	Autodyne effect application for stability analysis of the steady-state mode of UHF oscillating systems. , 2017, , .		0
42	Signal analysis of a double-diode autodyne. , 2017, , .		0
43	Moving object signal peculiarities of an autodyne radar with symmetric saw-tooth FM law. , 2017, , .		0
44	Influence of coupling between an oscillator and an antenna on autodyne transponder features in the frequency locking mode. , 2017, , .		0
45	Signal Modeling of the Autodyne Short-Range Radar System at Presence of the Radar Target in the Antenna Near-Zone. , 2018, , .		0
46	Influence of a Reflected Emission Level on Signal Formation in Autodynes with Oscillation Frequency Stabilization. , 2018, , .		0
47	Analysis of Coupling Degree Influence Between Resonators on Autodyne Characteristics of Stabilized Oscillators. , 2018, , .		0
48	Autodyne Effect in Microwave Oscillators with Injection Locking. Journal of Communications Technology and Electronics, 2020, 65, 651-658.	0.5	0
49	Features of Noise Characteristics of Frequency-Modulated Autodyne Radars. , 2020, , .		0
50	The Influence of Concomitant AM on the Formation of FM Autodyne Radars Signals. Ural Radio Engineering Journal, 2020, 4, 127-166.	0.1	0
51	THE DYNAMICS OF AUTODYNE 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
52	Method for increasing noise resistance of radar sensors with frequency selection. Ural Radio Engineering Journal, 2021, 5, 284-304.	0.1	0
53	Autodyne Response Formation in Injection-Locked Microwave Oscillators. , 2020, , .		0