

# Aleksey G Vostretsov

## List of Publications by Year in descending order

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59  
papers

110  
citations

1684188

5  
h-index

1474206

9  
g-index

59  
all docs

59  
docs citations

59  
times ranked

42  
citing authors

#	ARTICLE	IF	CITATIONS
1	An asymptotically robust invariant algorithm for demodulation of DPSK signals under external interference with a priori uncertain parameters. Proceedings of the Russian Higher School Academy of Sciences, 2022, , 46-59.	0.1	0
2	Statistical Algorithm for Estimating the Energy of a Radio Pulse when Measuring the Superconducting Qubit Resonator System. Optoelectronics, Instrumentation and Data Processing, 2021, 57, 208-215.	0.6	0
3	The Estimation of Parameters of Pulse Signals Having an Unknown Form That Are Observed against the Background of the Additive Mixture of the White Gaussian Noise and a Linear Component with Unknown Parameters. Journal of Communications Technology and Electronics, 2021, 66, 938-947.	0.5	2
4	Bipolar Transistor DC LNA Characterization at 77 K. , 2021, , .		1
5	A wideband cryogenic microwave low-noise amplifier. Beilstein Journal of Nanotechnology, 2020, 11, 1484-1491.	2.8	4
6	Cryogenic Low Noise Amplifiers and Filters for Superconducting Qubit Readout. , 2020, , .		1
7	Cryogenic low-noise amplifiers for measurements with superconducting detectors. Beilstein Journal of Nanotechnology, 2020, 11, 1316-1320.	2.8	4
8	Formation of Minimax Ensembles of Aperiodic Gold Codes. Journal of the Russian Universities Radioelectronics, 2020, 23, 26-37.	0.2	1
9	The Amplitude of Output Signal Estimation in the Study of Quantum Superconducting Structures. , 2020, , .		0
10	Influence of two-level defects on the transmission of a microwave signal in an open coplanar waveguide. Low Temperature Physics, 2019, 45, 395-399.	0.6	1
11	About the possibility of using satellite navigation systems as illumination signals in passive radar stations. Proceedings of the Russian Higher School Academy of Sciences, 2019, , 27-37.	0.1	0
12	Estimation of Energy Parameters of Global Positioning System Satellite Signal to Use in Radar Detection and Ranging with External Illumination. , 2018, , .		0
13	Asymptotic Robustness Coefficient for Signal Detection Algorithms. , 2018, , .		0
14	Superconducting Josephson Junction Critical Current Estimation. , 2018, , .		2
15	Losses in a Superconducting Quarter Wavelength Coplanar Resonator. , 2018, , .		0
16	Experimental investigations on synchronous recording of mechanical and electromagnetic parameters of EMP signals under loading of mineral rocks. Proceedings of the Russian Higher School Academy of Sciences, 2018, , 38-46.	0.1	0
17	Instrumentation System for Synchronous Recording of EME and Mechanical Deformation Parameters in Lab-Scale Tests of Rock Specimens. Journal of Mining Science, 2017, 53, 1152-1158.	0.6	1
18	Spectroscopy of a superconducting flux qubit in a quasidispersive mode. JETP Letters, 2016, 103, 425-430.	1.4	5

#	ARTICLE	IF	CITATIONS
19	Research of the sign demodulation algorithm under the action of high power external interference. , 2016, , .		0
20	A microwave cryogenic low-noise amplifier based on sige heterostructures. Technical Physics Letters, 2016, 42, 380-383.	0.7	14
21	Adaptive asymptotically robust invariant detection of signals in uncertain noise environments. , 2016, , .		0
22	Invariant algorithms for signal detection in radar systems with digital television illumination. Journal of Communications Technology and Electronics, 2015, 60, 386-392.	0.5	0
23	Effect of external pulsed low-energy impact on destruction of pre-loaded rock specimens. Journal of Mining Science, 2014, 50, 1033-1039.	0.6	2
24	Robust generation of invariant detectors in uncertain noise environments. , 2014, , .		0
25	Mechanical-electromagnetic transformations in rocks on failure. Journal of Mining Science, 2013, 49, 343-356.	0.6	14
26	Robust detection algorithm for future 4G wireless communication systems. , 2013, , .		4
27	Method of gamma-spectrum interpretation using vectorial approximation. , 2012, , .		0
28	Integrated measurement and recording of loads, displacements and electromagnetic emission in rocks under uniaxial compression. Journal of Mining Science, 2011, 47, 547-557.	0.6	4
29	Method of detecting the absorption of gamma rays propagating in a nitrogen-containing compound. Optoelectronics, Instrumentation and Data Processing, 2010, 46, 222-228.	0.6	0
30	Asymptotically robust signal demodulation algorithms suppressing multiple access noise. Journal of Communications Technology and Electronics, 2010, 55, 893-899.	0.5	1
31	Modernized Electromagnetic Emission Control System for Uniaxial Testing Of Rocks. Journal of Mining Science, 2010, 46, 458-467.	0.6	2
32	Detection of fracture stage change in rocks using nonstationary poisson pulse flow of electromagnetic emission. International Journal of Rock Mechanics and Minings Sciences, 2010, 47, 698-701.	5.8	4
33	CDMA robust demodulation algorithm in the presence of multiple access interference. , 2010, , .		4
34	Rock failure diagnostics based on structural changes in the electromagnetic emission signals by stages of rock loading. , 2010, , .		0
35	Application of the invariance and robustness principles in the development of demodulation algorithms for wideband communications systems. Journal of Communications Technology and Electronics, 2009, 54, 1283-1291.	0.5	13
36	EMR recording equipment for underground mines. Journal of Mining Science, 2008, 44, 218-224.	0.6	1

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37	Detection of mass-spectrum peaks in bioassays in dope testing. Optoelectronics, Instrumentation and Data Processing, 2008, 44, 1-7.	0.6	0
38	Timing recovery problem in mobile systems with harmonic and multipath interference. , 2008, , .		0
39	The synchronization problem in high velocity mobile systems with multipath fading. , 2008, , .		1
40	The Influence of Wave Propagation Channel Properties on Error Probability. Siberian Russian Workshop and Tutorial on Electron Devices and Materials, 2007, , .	0.0	1
41	Influence of Reflected Rays and Pulse Width on Probability of Error. , 2007, , .		2
42	Robust wideband signal demodulation algorithms with hard decisions. , 2007, , .		1
43	Robust demodulation of wideband signals. Journal of Communications Technology and Electronics, 2007, 52, 765-772.	0.5	0
44	Asymptotically robust algorithms for detection and recognition of signals. , 2007, , .		3
45	Asymptotically Invariant Optimal (AIO) Algorithm for Detection of a Signal with Selective Fading. , 2006, , .		0
46	On the Ways of Russian Educational and Scientific Development. , 2006, , .		0
47	Multipath Channel Influence Upon Probability Characteristics of Communication Subsystems of Radio Short-Range Navigation Systems. , 2006, , .		1
48	Detection of Signals on the Background of a Gaussian Noise and Passive Interferences with Unknown Parameters. , 2005, , .		0
49	Electromagnetic Signals during Static and Dynamic Loading of Rock Samples. Journal of Mining Science, 2002, 38, 20-24.	0.6	4
50	Background Electromagnetic Rock Radiation Recorded in Underground Workings of the Tashtagol Mine. Journal of Mining Science, 2002, 38, 111-115.	0.6	2
51	On Prediction of Rock Failure on the Basis of Recording the Pulses of Electromagnetic Radiation. Journal of Mining Science, 2001, 37, 261-272.	0.6	0
52	Prediction of rock failure from spectral characteristics of signals from electromagnetic radiation. Journal of Mining Science, 1998, 34, 296-299.	0.6	8
53	The effect of time jitter in sampling inside discrete systems with high-stable synchronizing clock: models and analysis. , 0, , .		1
54	Estimation of signal power parameter under binary quantized samples. , 0, , .		0

#	ARTICLE	IF	CITATIONS
55	Synthesis of parameters effective values for linear-varying signals under conditions of noise. , 0, , .		0
56	Signal period estimating in analog-digital systems. , 0, , .		0
57	Some regularities in electromagnetic radiation signals in rock failure. , 0, , .		0
58	Signal processing in fading channels in conditions of a prior signal, channel and noise parameter uncertainty. , 0, , .		1
59	Structure of the electromagnetic radiation signal spectral characteristics during rock failure preparation. , 0, , .		0