

Vadim N Derkach

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2289470/publications.pdf>

Version: 2024-02-01

57
papers

207
citations

1163117

8
h-index

1058476

14
g-index

57
all docs

57
docs citations

57
times ranked

83
citing authors

#	ARTICLE	IF	CITATIONS
1	A Tunable Compact Polarizer in a Circular Waveguide. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 592-596.	4.6	34
2	Resonance excitation of single rotons in He II by an electromagnetic wave. Spectral line shape. Low Temperature Physics, 2009, 35, 837-842.	0.6	21
3	Title is missing!. Journal of Infrared, Millimeter and Terahertz Waves, 2001, 22, 1669-1682.	0.6	19
4	Interaction of microwaves with superfluid flow in He II. Low Temperature Physics, 2008, 34, 254-261.	0.6	17
5	Microwave experiments in He II. New features of undamped superfluid flows. Low Temperature Physics, 2008, 34, 497-502.	0.6	16
6	Magnetization and impedance measurements of multilayer Co/Cu structures in millimeter waveband. Journal of Magnetism and Magnetic Materials, 2003, 263, 315-323.	2.3	15
7	Determination of Microwave Parameters of Isotropic Mediums by Using an Open Quasi-Optical Spherical Resonator. Journal of Infrared, Millimeter and Terahertz Waves, 2004, 25, 139-148.	0.6	11
8	Rotation of the polarization plane by double-layer planar-chiral structures. Review of the results of theoretical and experimental studies. Radioelectronics and Communications Systems, 2017, 60, 193-205.	0.5	11
9	Comparative analysis of tunable compact rotators. Journal of Electromagnetic Waves and Applications, 2019, 33, 304-319.	1.6	8
10	Dielectric loss and energy distribution of the shallow levels in CVD diamonds. Diamond and Related Materials, 2006, 15, 1917-1920.	3.9	7
11	Natural oscillations providing 90° polarization plane rotation by planar chiral double-slot irises. Radioelectronics and Communications Systems, 2014, 57, 521-530.	0.5	6
12	Hardware and Software Complex for MM-Wave Spectroscopic Research. , 2006, , .		5
13	Polarization Response Manipulation for Compound Circular Hole Fishnet Metamaterial. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 117-120.	4.0	5
14	Investigation of field distribution in open resonators using three-coordinate scanner. , 0, , .		4
15	Measurement of Loss Tangent of Dielectric and Semiconductor Materials at Millimeter Waves and Temperatures 0.9- 300 K. , 0, , .		4
16	Tunable polarization rotator on a pair of grooved flanges. Journal of Electromagnetic Waves and Applications, 2020, 34, 2304-2316.	1.6	3
17	Application of multilayer structures at millimeter wavelengths. Journal of Infrared, Millimeter and Terahertz Waves, 1989, 10, 1193-1206.	0.6	2
18	Whispering gallery dielectric resonators in millimeter wave radiospectroscopy. , 0, , .		2

#	ARTICLE	IF	CITATIONS
19	Using of the millimeter wave dielectrometer for study of liquid helium dynamic characteristics. , 2005, , .		2
20	Dielectric losses of high-resistivity semiconductor materials in EHF-band at cryogenic temperatures. , 2016, , .		2
21	High Frequency Properties of Co/Cu Multilayer Structures in Millimeter Wavelengths Band. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2002, 58, 6.	0.4	2
22	CONTROL AND STABILIZATION OF TEMPERATURE (0.8Å-300 K) IN THE CRYODIELECTROMETER OF A GIGAHERTZ FREQUENCY BAND. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz) Tj ETQq0 0 0 0 BT /Overclock 10 Tf		
23	A tunable millimeter-wave multilayer dielectric resonator. Radiophysics and Quantum Electronics, 1985, 28, 545-548.	0.5	1
24	Method of EHF-therapy at treatment of endogene mental diseases. , 0, , .		1
25	Investigation of intertype oscillations in the barrel-shaped open resonator. , 2000, , .		1
26	Cryogenic complex for measurement of superflow losses of dielectrics in millimeter waveband. , 2003, , .		1
27	Coupled-cavity structures on the base of whispering gallery disk dielectric resonators at millimeter wave band. , 2008, , .		1
28	Near-field microscopy at millimeter waves. , 2010, , .		1
29	High-resolution computer-controlled oscillator of 2-mm wave-range for the low temperature dielectrometer. , 2016, , .		1
30	Precision temperature measurement unit for the low temperature dielectrometer. , 2016, , .		1
31	COUPLED DISK DIELECTRIC RESONATORS WITH WHISPERING GALLERY MODES IN THE MILLIMETER-WAVE BAND. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and) Tj ETQq1 1 0.784314 0 BT /Overclock 10 Tf		
32	Degenerate oscillations in a quasioptical open resonator with rectangular large-aperture mirrors. Radiophysics and Quantum Electronics, 1981, 24, 54-59.	0.5	0
33	Study of quasioptical resonators by the spatial spectrum method. Radiophysics and Quantum Electronics, 1983, 26, 823-827.	0.5	0
34	A semisymmetrical open cavity containing a tunable interference mirror. Part 1. Radiophysics and Quantum Electronics, 1988, 31, 619-624.	0.5	0
35	Semisymmetrical open resonator with tunable interference mirror. II. Radiophysics and Quantum Electronics, 1989, 32, 93-97.	0.5	0
36	A new method of EHF-therapy in the treatment of endogene mental diseases. , 2000, , .		0

#	ARTICLE	IF	CITATIONS
37	Interaction of electromagnetic oscillations in microwave barrel-shaped open resonators. , 0, , .		0
38	Experimental research of interacting modes in a barrel-shaped open resonator. , 0, , .		0
39	Amorphous microwires in microwave fields. , 0, , .		0
40	Measurement of microwave parameters of media by means of an open quasi-optical spherical resonator. , 0, , .		0
41	Investigation of the Low-Loss Dielectric Materials in the Wide Temperature Range. , 2006, , .		0
42	Investigation of the Effect of Electromagnetic Absorption in Conditions of a Relative Motion of Components in He II. , 2007, , .		0
43	Electromagnetic Wave Absorption in Liquid HeII. , 2007, , .		0
44	Near Field Microscopy for Nanostructure Quality Characterization in Millimeter Wave Range. , 2007, , .		0
45	Non-destructive material homogeneity evaluation using scanning millimeter wave beam. , 2007, , .		0
46	Controlled structures on the basis of disk dielectric resonators in a millimeter wave range. , 2008, , .		0
47	Millimeter waveband spectroscopy of liquid He II. , 2010, , .		0
48	Magnetic field influence on detection properties of planar microwave diodes on the base of modulation doped semiconductor structures. , 2010, , .		0
49	Investigation of properties of coupled and spiral dielectric resonators in millimeter waves. , 2010, , .		0
50	Millimeter wave technique for non-destructive Si wafer homogeneity characterization. , 2010, , .		0
51	Spiral resonators with whispering gallery-like modes. , 2010, , .		0
52	Temperature control and stabilization in the cryodielectrometer for temperatures 0.5 – 300 K. , 2013, , .		0
53	Dielectric losses in diamond-like materials at the cryogenic temperatures in the millimeter waveband. , 2014, , .		0
54	Dielectric illuminators for millimeter-wave near-field microscopy. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
55	Eigenmodes and polarization rotation in the conjugate stacked structures. , 2016, , .		0
56	A Circular-Disk Dielectric Resonator for Low-Temperature Magnetic Resonance Measurements at Millimeter and Sub-Millimeter Wavelengths. Telecommunications and Radio Engineering (English) Tj ETQq0 0 0 rgB0.4 Overlook 10 Tf 50		0
57	Double screen system with circular under-cuttof holes as quasioptical polarizer. Radiofizika I Elektronika, 2015, 20, 3-10.	0.2	0