

Dmitry V Kholodnyak

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3581660/publications.pdf>

Version: 2024-02-01

86
papers

461
citations

1040056

9
h-index

940533

16
g-index

86
all docs

86
docs citations

86
times ranked

321
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable Metamaterials for Controlling THz Radiation. IEEE Transactions on Terahertz Science and Technology, 2012, 2, 538-549.	3.1	48
2	Broadband digital phase shifter based on switchable right- and left-handed transmission line sections. IEEE Microwave and Wireless Components Letters, 2006, 16, 258-260.	3.2	43
3	Narrowband Y-Ba-Cu-O filter with quasi-elliptic characteristic. IEEE Transactions on Applied Superconductivity, 2001, 11, 477-480.	1.7	27
4	Development of CAD tool for a design of microwave planar HTS filters. IEEE Transactions on Microwave Theory and Techniques, 2000, 48, 1247-1255.	4.6	20
5	3D Antenna for UHF RFID Tags with Eliminated Read-Orientation Sensitivity. , 2006, , .		17
6	A Compact Bandpass Filter Based on Right- and Left-Handed Transmission Line Sections. IEEE Microwave and Wireless Components Letters, 2013, 23, 279-281.	3.2	17
7	Microwave devices based on transmission lines with positive/negative dispersion. Microwave and Optical Technology Letters, 2006, 48, 2632-2638.	1.4	16
8	A method to design lumped-element tunable bandpass filters with constant absolute bandwidth. , 2014, , .		14
9	High-temperature superconductor filters: modeling and experimental investigations. IEEE Transactions on Applied Superconductivity, 1999, 9, 3577-3580.	1.7	12
10	Design of Quasi-Lumped-Element LTCC Filters and Duplexers for Wireless Communications. , 2003, , .		12
11	Enhancement of inductance Q-factor for LTCC filter design. , 2005, , .		12
12	A Novel Type of 0-dB Directional Coupler for Microwave Integrated Circuits. , 1999, , .		11
13	Physically Oriented Design of Negative Capacitors Based on Linvillâ€™s Floating Impedance Converter. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 139-154.	4.6	11
14	Miniaturization and optimization of planar microwave filters based on metamaterials. , 2007, , .		10
15	Extracting the model parameters of high-temperature superconductor film microwave surface impedance from the experimental characteristics of resonators and filters. Superconductor Science and Technology, 2000, 13, 1419-1423.	3.5	9
16	Applications of Right/Left Handed and Resonant Left Handed Transmission Lines for Microwave Circuit Design. , 2006, , .		9
17	Right/left-handed transmission line LTCC directional couplers. , 2007, , .		9
18	Rightâ€™ and leftâ€™ handed transmission line resonators and filters for dualâ€™band applications. Microwave and Optical Technology Letters, 2009, 51, 629-633.	1.4	9

#	ARTICLE	IF	CITATIONS
19	Non-foster broadband matching networks for electrically-small antennas. , 2016, , .		9
20	Electronically controlled phase shifters based on right/left-handed transmission lines. , 2005, , .		7
21	Application of sandwich multilayer technology to MICs design. , 2005, , .		7
22	Design and investigation of miniaturized high-performance LTCC filters for wireless communications. , 2007, , .		7
23	Tunable microwave devices based on left/right-handed transmission line sections in multilayer implementation. International Journal of Microwave and Wireless Technologies, 2009, 1, 323-329.	1.9	7
24	Dual-band immittance inverters on dual-composite right/left-handed transmission line (D-CRLH TL). , 2015, , .		7
25	Performance improvement of an electrically-small loop antenna matched with non-foster negative inductance. , 2017, , .		7
26	Modelling and investigation of HTS planar resonators and filters on sapphire substrate. Superconductor Science and Technology, 1999, 12, 394-399.	3.5	6
27	Design of Trimmingless Narrowband Planar HTS Filters. Journal of Superconductivity and Novel Magnetism, 2001, 14, 21-28.	0.5	6
28	Tunable Dual-Band Microwave Devices based on a Combination of Left/Right-Handed Transmission Lines. , 2008, , .		6
29	Miniature 90° and 180° Directional Couplers for Bluetooth and WLAN Applications Designed as Multilayer Microwave Integrated Circuits. Journal of Electromagnetic Waves and Applications, 2011, 25, 169-175.	1.6	6
30	Design of immittance inverters and phase inverters with non-foster elements. , 2018, , .		6
31	Multilayer thick-film technology as applied to design of microwave devices. Journal of the European Ceramic Society, 2007, 27, 2941-2944.	5.7	5
32	A novel low-profile antenna with hemispherical coverage suitable for wireless and mobile communications applications. , 2008, , .		5
33	Miniature microwave devices based on a combination of natural right-handed and metamaterial left-handed transmission lines. EPJ Applied Physics, 2009, 46, 32610.	0.7	5
34	Design of electronically tunable lumped-element bandpass filters with constant bandwidths. , 2016, , .		5
35	An electronically tunable lumped-element bandpass filter with continuous tuning of center frequency and bandwidth. , 2016, , .		4
36	Active tunable inductor using non-foster element. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
37	A Novel Design Methodology for Non-Foster Elements with Application in Broadband Self-oscillating Antennas. , 2020, , .		4
38	Multi-band and tunable multi-band microwave resonators and filters based on cascaded left/right-handed transmission line sections. , 2009, , .		3
39	Design of a dual-band Wilkinson power divider using metamaterial transmission lines. , 2015, , .		3
40	Scan Radar Using an Uniform Rectangular Array for Drone Detection with Low RCS. , 2019, , .		3
41	Modelling of high T _c superconductor microstrip resonator on sapphire substrate. Electronics Letters, 1996, 32, 1496.	1.0	2
42	A novel approach to synthesis of bandpass filters with minimized insertion loss. , 2007, , .		2
43	180° Power Dividers Using Metamaterial Transmission Lines. , 2008, , .		2
44	Theoretical Minimum Insertion Loss of the Butterworth and Chebyshev Bandpass Filters. , 2008, , .		2
45	Modeling and experimental investigation of microstrip resonators and filters based on High-Temperature Superconductor films. Technical Physics Letters, 2010, 36, 862-864.	0.7	2
46	Nonparametric statistics in multivariate time series for cognitive anomaly detection. , 2016, , .		2
47	Tunable Dual-Frequency Immittance Inverters on Dual-Composite Right/Left-Handed Transmission Lines (D-CRLH TL) with Variable Capacitors. IEICE Transactions on Electronics, 2016, E99.C, 1113-1121.	0.6	2
48	Metamaterial transmission lines and their applications. , 2017, , .		2
49	Design of Small-Size Bandstop Filters with Lumped-Element Immittance Inverters on Artificial Transmission Lines. , 2018, , .		2
50	Visit of the MTT-S Regional Coordinator to Russia [Around the Globe]. IEEE Microwave Magazine, 2020, 21, 105-107.	0.8	2
51	Broadband metasurfaces loaded with non-Foster elements. Journal of Physics: Conference Series, 2021, 2015, 012061.	0.4	2
52	Non-Foster Self-oscillating Single-loop Antenna. , 2020, , .		2
53	Figure of merit of microwave filters. , 2005, , .		1
54	Novel Wilkinson-Type Power Dividers Based on Metamaterial Transmission Lines. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
55	Bandpass Filters for Ka-Band Satellite Communication Applications Based on LTCC. , 2008, , .		1
56	Quasi-constant-phase networks inspired by metamaterial transmission lines with the non-Foster elements. , 2012, , .		1
57	A novel dual-bandpass microwave filter using epsilon-near-zero metamaterials. , 2013, , .		1
58	Power characteristics of varactor-controlled tunable bandpass filters on lumped elements. , 2017, , .		1
59	The state of the art of electronically tunable compact bandpass filters design. , 2017, , .		1
60	Electrically controlled variable inductors for applications in tunable filters. , 2018, , .		1
61	Three-pole Microwave Bandpass Filters with Non-resonating Nodes and Multiple Transmission Zeroes. , 2020, , .		1
62	Modeling of high-Tc superconducting coupled microstrip lines on sapphire substrate. , 1996, , .		0
63	Miniature front-end module based on low temperature cofired ceramics for bluetooth and WLAN wireless devices. , 2005, , .		0
64	Passive components of microwave integrated circuits based on the multilayer "sandwich" technology. , 2005, , .		0
65	Broadband Digital Phase Shifters using Metamaterial Transmission Lines with Negative Dispersion. , 2006, , .		0
66	Microwave Microelectronic Devices based on Artificial Transmission Lines with Negative Dispersion. , 2006, , .		0
67	3D RFID Tag Invariant to its Orientation. , 2006, , .		0
68	Design of Quasi-Lumped-Element Filters and Directional Couplers using Multilayer Technologies. , 2006, , .		0
69	Controllable Waveguide Based on Capacitively Loaded Wire Medium. , 2008, , .		0
70	Multifunctional microwave devices based on metamaterial transmission lines. , 2009, , .		0
71	Accurate design of trimmingless high-temperature superconducting filters. , 2011, , .		0
72	Corrections to "Tunable Metamaterials for Controlling THz Radiation" [Sep 12 538-555]. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 221-221.	3.1	0

#	ARTICLE	IF	CITATIONS
73	Miniaturized resonant structure for wireless power transfer system based on high-Q bulk acoustic resonator. <i>Microwave and Optical Technology Letters</i> , 2014, 56, 531-535.	1.4	0
74	Miniature microwave filters using multi-layer technologies. , 0, , 265-314.		0
75	Tunable dual-frequency immittance inverters on dual-composite right/left-handed transmission line. , 2015, , .		0
76	Passive reciprocal electronically tuneable inductance in a composite-right-left-handed metamaterial unit cell. , 2015, , .		0
77	Tunability of dual-frequency immittance inverters on dual-composite right/left-handed transmission lines (D-CRLH TL) with variable capacitors. , 2015, , .		0
78	The concept of computer visualization of scientific metaphor. , 2015, , .		0
79	Semiotics of scientific metaphors of cognitive images of multidimensional data. , 2017, , .		0
80	Practices of the analysis of scientific metaphor on the basis of cognitive images of multidimensional data. , 2017, , .		0
81	Applications of non-foster elements to design advanced RF and microwave devices. , 2018, , .		0
82	Tunability of Artificial Transmission Lines with Variable Capacitors. , 2018, , .		0
83	Theoretical Minimum of Phase Shift Error of Switchable-channel Phase Shifters on Left-handed and Right-handed Transmission Lines. , 2018, , .		0
84	Innovation Complexity - a New Paradigm for Cognitive Ergonomics. , 2018, , .		0
85	Metasurface Bandwidth Enhancement with a Non-Foster Load. , 2021, , .		0
86	Design of Non-Foster Negative Capacitances by Using Decomposition of Linvill's Circuit. , 2020, , .		0