

Dmitry V Kholodnyak

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Physically Oriented Design of Negative Capacitors Based on Linvill's Floating Impedance Converter. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 139-154.	4.6	11
2	Metasurface Bandwidth Enhancement with a Non-Foster Load. , 2021, , .		0
3	Broadband metasurfaces loaded with non-Foster elements. Journal of Physics: Conference Series, 2021, 2015, 012061.	0.4	2
4	Three-pole Microwave Bandpass Filters with Non-resonating Nodes and Multiple Transmission Zeros. , 2020, , .		1
5	Visit of the MTT-S Regional Coordinator to Russia [Around the Globe]. IEEE Microwave Magazine, 2020, 21, 105-107.	0.8	2
6	Design of Non-Foster Negative Capacitances by Using Decomposition of Linvill's Circuit. , 2020, , .		0
7	A Novel Design Methodology for Non-Foster Elements with Application in Broadband Self-oscillating Antennas. , 2020, , .		4
8	Non-Foster Self-oscillating Single-loop Antenna. , 2020, , .		2
9	Scan Radar Using an Uniform Rectangular Array for Drone Detection with Low RCS. , 2019, , .		3
10	Applications of non-foster elements to design advanced RF and microwave devices. , 2018, , .		0
11	Design of Small-Size Bandstop Filters with Lumped-Element Immittance Inverters on Artificial Transmission Lines. , 2018, , .		2
12	Tunability of Artificial Transmission Lines with Variable Capacitors. , 2018, , .		0
13	Theoretical Minimum of Phase Shift Error of Switchable-channel Phase Shifters on Left-handed and Right-handed Transmission Lines. , 2018, , .		0
14	Innovation Complexity - a New Paradigm for Cognitive Ergonomics. , 2018, , .		0
15	Design of immittance inverters and phase inverters with non-foster elements. , 2018, , .		6
16	Electrically controlled variable inductors for applications in tunable filters. , 2018, , .		1
17	Metamaterial transmission lines and their applications. , 2017, , .		2
18	Active tunable inductor using non-foster element. , 2017, , .		4

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19	Semiotics of scientific metaphors of cognitive images of multidimensional data. , 2017, , .		0
20	Power characteristics of varactor-controlled tunable bandpass filters on lumped elements. , 2017, , .		1
21	Practices of the analysis of scientific metaphor on the basis of cognitive images of multidimensional data. , 2017, , .		0
22	Performance improvement of an electrically-small loop antenna matched with non-foster negative inductance. , 2017, , .		7
23	The state of the art of electronically tunable compact bandpass filters design. , 2017, , .		1
24	Nonparametric statistics in multivariate time series for cognitive anomaly detection. , 2016, , .		2
25	Design of electronically tunable lumped-element bandpass filters with constant bandwidths. , 2016, , .		5
26	Non-foster broadband matching networks for electrically-small antennas. , 2016, , .		9
27	An electronically tunable lumped-element bandpass filter with continuous tuning of center frequency and bandwidth. , 2016, , .		4
28	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
29	Tunable dual-frequency immittance inverters on dual-composite right/left-handed transmission line. , 2015, , .		0
30	Design of a dual-band Wilkinson power divider using metamaterial transmission lines. , 2015, , .		3
31	Passive reciprocal electronically tuneable inductance in a composite-right-left-handed metamaterial unit cell. , 2015, , .		0
32	Tunability of dual-frequency immittance inverters on dual-composite right/left-handed transmission lines (D-CRLH TL) with variable capacitors. , 2015, , .		0
33	Dual-band immittance inverters on dual-composite right/left-handed transmission line (D-CRLH TL). , 2015, , .		7
34	The concept of computer visualization of scientific metaphor. , 2015, , .		0
35	A method to design lumped-element tunable bandpass filters with constant absolute bandwidth. , 2014, , .		14
36	Miniaturized resonant structure for wireless power transfer system based on high-Q bulk acoustic resonator. Microwave and Optical Technology Letters, 2014, 56, 531-535.	1.4	0

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37	A novel dual-bandpass microwave filter using epsilon-near-zero metamaterials. , 2013, , .		1
38	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
39	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
40	Quasi-constant-phase networks inspired by metamaterial transmission lines with the non-Foster elements. , 2012, , .		1
41	Tunable Metamaterials for Controlling THz Radiation. IEEE Transactions on Terahertz Science and Technology, 2012, 2, 538-549.	3.1	48
42	Accurate design of trimmingless high-temperature superconducting filters. , 2011, , .		0
43	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
44	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
45	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
46	Right- and left-handed transmission line resonators and filters for dual-band applications. Microwave and Optical Technology Letters, 2009, 51, 629-633.	1.4	9
47	Multi-band and tunable multi-band microwave resonators and filters based on cascaded left/right-handed transmission line sections. , 2009, , .		3
48	Multifunctional microwave devices based on metamaterial transmission lines. , 2009, , .		0
49	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
50	Novel Wilkinson-Type Power Dividers Based on Metamaterial Transmission Lines. , 2008, , .		1
51	A novel low-profile antenna with hemispherical coverage suitable for wireless and mobile communications applications. , 2008, , .		5
52	Tunable Dual-Band Microwave Devices based on a Combination of Left/Right-Handed Transmission Lines. , 2008, , .		6
53	180° Power Dividers Using Metamaterial Transmission Lines. , 2008, , .		2
54	Controllable Waveguide Based on Capacitively Loaded Wire Medium. , 2008, , .		0

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55	Bandpass Filters for Ka-Band Satellite Communication Applications Based on LTCC. , 2008, , .		1
56	Theoretical Minimum Insertion Loss of the Butterworth and Chebyshev Bandpass Filters. , 2008, , .		2
57	Design and investigation of miniaturized high-performance LTCC filters for wireless communications. , 2007, , .		7
58	Right/left-handed transmission line LTCC directional couplers. , 2007, , .		9
59	Miniaturization and optimization of planar microwave filters based on metamaterials. , 2007, , .		10
60	A novel approach to synthesis of bandpass filters with minimized insertion loss. , 2007, , .		2
61	Multilayer thick-film technology as applied to design of microwave devices. Journal of the European Ceramic Society, 2007, 27, 2941-2944.	5.7	5
62	Broadband Digital Phase Shifters using Metamaterial Transmission Lines with Negative Dispersion. , 2006, , .		0
63	Microwave Microelectronic Devices based on Artificial Transmission Lines with Negative Dispersion. , 2006, , .		0
64	3D RFID Tag Invariant to its Orientation. , 2006, , .		0
65	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
66	3D Antenna for UHF RFID Tags with Eliminated Read-Orientation Sensitivity. , 2006, , .		17
67	Design of Quasi-Lumped-Element Filters and Directional Couplers using Multilayer Technologies. , 2006, , .		0
68	Applications of Right/Left Handed and Resonant Left Handed Transmission Lines for Microwave Circuit Design. , 2006, , .		9
69	Microwave devices based on transmission lines with positive/negative dispersion. Microwave and Optical Technology Letters, 2006, 48, 2632-2638.	1.4	16
70	Electronically controlled phase shifters based on right/left-handed transmission lines. , 2005, , .		7
71	Enhancement of inductance Q-factor for LTCC filter design. , 2005, , .		12
72	Miniature front-end module based on low temperature cofired ceramics for bluetooth and WLAN wireless devices. , 2005, , .		0

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73	Figure of merit of microwave filters. , 2005, , .		1
74	Passive components of microwave integrated circuits based on the multilayer "sandwich" technology. , 2005, , .		0
75	Application of sandwich multilayer technology to MICs design. , 2005, , .		7
76	Design of Quasi-Lumped-Element LTCC Filters and Duplexers for Wireless Communications. , 2003, , .		12
77	Narrowband Y-Ba-Cu-O filter with quasi-elliptic characteristic. IEEE Transactions on Applied Superconductivity, 2001, 11, 477-480.	1.7	27
78	Design of Trimmingless Narrowband Planar HTS Filters. Journal of Superconductivity and Novel Magnetism, 2001, 14, 21-28.	0.5	6
79	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
80	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
81	Modelling and investigation of HTS planar resonators and filters on sapphire substrate. Superconductor Science and Technology, 1999, 12, 394-399.	3.5	6
82	High-temperature superconductor filters: modeling and experimental investigations. IEEE Transactions on Applied Superconductivity, 1999, 9, 3577-3580.	1.7	12
83	A Novel Type of 0-dB Directional Coupler for Microwave Integrated Circuits. , 1999, , .		11
84	Modelling of high T _c superconductor microstrip resonator on sapphire substrate. Electronics Letters, 1996, 32, 1496.	1.0	2
85	Modeling of high-T _c superconducting coupled microstrip lines on sapphire substrate. , 1996, , .		0
86	Miniature microwave filters using multi-layer technologies. , 0, , 265-314.		0