

Dongya Shen

List of Publications by Year in descending order

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115
papers

1,603
citations

361045

20
h-index

344852

36
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115
all docs

115
docs citations

115
times ranked

1336
citing authors

#	ARTICLE	IF	CITATIONS
1	Bandstop filtering for integrated substrate gap waveguide <sc>high-gain</sc> and wideband slot antenna for <sc>5G</sc>. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, .	0.8	1
2	Characteristic impedance of integrated substrate gap waveguide. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22716.	0.8	1
3	Integrated substrate groove gap waveguide and application for filter design. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22830.	0.8	6
4	A Novel High-Gain Magneto-Electric Dipole Antenna Fed by ISGW. , 2021, , .		1
5	Broadband ISGW Millimeter-Wave Filtering Patch Antenna. , 2021, , .		1
6	A Novel Wideband Bandpass Filter by ISGW. , 2021, , .		0
7	A Wideband Circularly Polarized Leaky Wave Antenna based on ISGW. , 2021, , .		0
8	InGaAs/InP evanescently coupled one-sided junction waveguide photodiode design. Optical and Quantum Electronics, 2020, 52, 1.	1.5	3
9	Impact of indirect mode coupling on planar lightwave circuit based mode converters/multiplexers. Optics Communications, 2020, 465, 125608.	1.0	2
10	Wide Stopband Filtering Antenna with High Gain for Ka Band. , 2020, , .		3
11	Design of Substrate Integrated Gap Waveguide and Their Transitions to Microstrip Line, for Millimeter-Wave Applications. IEEE Access, 2019, 7, 154268-154276.	2.6	7
12	Conical Double-Core Structure LP_{mn} Mode Converter. IEEE Photonics Journal, 2019, 11, 1-9.	1.0	0
13	A Self-Packaged Ultra-Wide Band Bandpass Filter Using Integrated Substrate Gap Waveguide. , 2019, , .		6
14	A Memory Term Reduction Approach for Digital Pre-Distortion Using the Attention Mechanism. IEEE Access, 2019, 7, 38185-38194.	2.6	9
15	Millimeter-Wave Circularly Polarized Array Antenna Using Substrate-Integrated Gap Waveguide Sequentially Rotating Phase Feed. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1124-1128.	2.4	29
16	Hybrid harmonicâ€œintermodulation distortion behavioral model for shortwave power amplifiers. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21718.	0.8	3
17	Integrated Substrate Gap Waveguide Wideband Bandpass Filter with Two Transmission Zeros and Wide Stopband. , 2019, , .		2
18	Integrated Substrate Gap Waveguide for 5G Microwave and Millimeter-Wave Components. , 2019, , .		3

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19	Design of high speed InGaAs/InP one-sided junction photodiodes with low junction capacitance. Optics Communications, 2019, 437, 321-329.	1.0	17
20	Broadband LP ₀₁ →LP ₀₂ mode converter for O-, E-, S-, C-, L-, and U-bands. Applied Optics, 2019, 58, 1185.	0.9	3
21	Broadband linearization for 5G fronthaul transmission. Frontiers of Optoelectronics, 2018, 11, 107-115.	1.9	5
22	Broadband 60 GHz Antennas Fed by Substrate Integrated Gap Waveguides. IEEE Transactions on Antennas and Propagation, 2018, 66, 3261-3270.	3.1	47
23	A novel optical waveguide LP ₀₁ /LP ₀₂ mode converter. Optics Communications, 2018, 418, 98-105.	1.0	7
24	Fabrication of a LP ₀₁ to LP ₀₂ mode converter embedded in bulk glass using femtosecond direct inscription. Optics Communications, 2018, 410, 475-478.	1.0	12
25	A Substrate Integrated Gap Waveguide Based Wideband 3-dB Coupler for 5G Applications. IEEE Access, 2018, 6, 66798-66806.	2.6	40
26	Substrate Integrated Gap Waveguide Circularly Polarized Slot Antenna. , 2018, , .		7
27	Correction to "Wavelength Blue-Shifting and Gain Spectral Bandwidth of InAs/InP Quantum Dots for Laser Applications Around 1.55 μm ". [Feb 18 Art. no. 2000109]. IEEE Journal of Quantum Electronics, 2018, 54, 1-1.	1.0	0
28	Substrate Integrated Gap Waveguide Bandpass Filters with High Selectivity and Wide Stopband. , 2018, , .		16
29	A Low-Profile Substrate-Integrated-Gap-Waveguide- Fed Magnetolectric Dipole. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1373-1376.	2.4	39
30	A Simple Envelope-Assisted RF/IF Digital Predistortion Model for Broadband RoF Fronthaul Transmission. Journal of Lightwave Technology, 2018, 36, 4305-4311.	2.7	3
31	Study of Bend Discontinuities in Substrate Integrated Gap Waveguide. IEEE Microwave and Wireless Components Letters, 2017, 27, 221-223.	2.0	8
32	Packaged Microstrip Line: A New Quasi-TEM Line for Microwave and Millimeter-Wave Applications. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 707-719.	2.9	45
33	A printed magneto-electric dipole based on substrate integrated gap waveguide. , 2017, , .		4
34	Time-division polynomial pre-distorter for linearisation of 1.5 T MRI power amplifier. Journal of Engineering, 2017, 2017, 391-393.	0.6	2
35	Linearization of radio-over-fiber systems using directly modulated and electro-absorption modulator integrated lasers. , 2016, , .		2
36	Design of packaged microstrip line. , 2016, , .		11

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37	The MIMO antenna design based on embedded U-shaped metal frame structure. , 2016, , .		0
38	Design of broadband and high-output power uni-traveling-carrier photodiodes. Optics Communications, 2016, 365, 194-207.	1.0	4
39	Ultra Broadband Predistortion Circuit for Radio-over-Fiber Transmission Systems. Journal of Lightwave Technology, 2016, 34, 5137-5145.	2.7	18
40	Design of substrate integrated gap waveguide. , 2016, , .		38
41	Analog Pre-Distortion Circuit for Radio Over Fiber Transmission. IEEE Photonics Technology Letters, 2016, 28, 2541-2544.	1.3	14
42	Two-stage taper fiber-based mode converters between LP ₀₁ and LP _{0m} . , 2015, , .		1
43	A Novel Triple-Band Antenna for WLAN/WiMAX Applications. , 2015, , .		1
44	Analysis of optical fiber-based LP ₀₁ → LP ₀₂ mode converters for the O-, S-, and C-Band. Applied Optics, 2015, 54, 5568.	2.1	11
45	An equal-split Wilkinson power divider with tri-band and harmonic suppression. , 2015, , .		1
46	Novel broadband analog predistortion circuit for radio-over-fiber systems. , 2015, , .		5
47	Linearization Technologies for Broadband Radio-Over-Fiber Transmission Systems. Photonics, 2014, 1, 455-472.	0.9	49
48	Augmented radial basis function neural network predistorter for linearisation of wideband power amplifiers. Electronics Letters, 2014, 50, 877-879.	0.5	10
49	Generalized Two-Box Cascaded Nonlinear Behavioral Model for Radio Frequency Power Amplifiers With Strong Memory Effects. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2888-2899.	2.9	16
50	Review of linearization techniques for fiber-wireless systems. , 2014, , .		2
51	Linearization of radio-over-fiber systems by using two lasers with different wavelengths. , 2014, , .		13
52	A novel miniaturized UWB antenna with four band-notches. Microwave and Optical Technology Letters, 2013, 55, 1202-1206.	0.9	16
53	Mach-Zehnder: A Review of Bias Control Techniques for Mach-Zehnder Modulators in Photonic Analog Links. IEEE Microwave Magazine, 2013, 14, 102-107.	0.7	53
54	Modeling of Single-Section Quantum Dot Mode-Locked Lasers: Impact of Group Velocity Dispersion and Self Phase Modulation. IEEE Journal of Quantum Electronics, 2013, 49, 1008-1015.	1.0	19

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55	A channel model for insufficient scattering mobile communications environment. , 2013, , .		1
56	A high isolation MIMO antenna for WLAN and WiMax. , 2013, , .		1
57	Channel model for in-body WBAN. , 2012, , .		3
58	A novel channel model for mobile communications. , 2012, , .		2
59	A novel miniaturized UWB antenna with 5.7 GHz band rejection function. , 2012, , .		7
60	A novel wideband planar fractal antenna. , 2012, , .		1
61	Statistical characterization of the 400 MHz in-body propagation channel in in-door environments. , 2012, , .		2
62	Performance Enhancement of an OFDM Ultra-Wideband Transmission-Over-Fiber Link Using a Linearized Mixed-Polarization Single-Drive X-Cut Mach-Zehnder Modulator. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 3328-3338.	2.9	14
63	Low-Cost Broadband Predistortion-Linearized Single-Drive x-Cut Mach-Zehnder Modulator for Radio-Over-Fiber Systems. IEEE Photonics Technology Letters, 2012, 24, 1571-1573.	1.3	11
64	The research on new adaptive beamforming algorithms. , 2012, , .		0
65	Tunable Terahertz Beat Signal Generation From an InAs/InP Quantum-Dot Mode-Locked Laser Combined With External-Cavity. IEEE Photonics Technology Letters, 2012, 24, 518-520.	1.3	10
66	Low-Cost and High-Efficient W-Band Substrate Integrated Waveguide Antenna Array Made of Printed Circuit Board Process. IEEE Transactions on Antennas and Propagation, 2012, 60, 1648-1653.	3.1	95
67	Dynamic behavioral modeling for strongly nonlinear doherty pas using real-valued time-delay recurrent RBF model. Journal of Electronics, 2012, 29, 39-45.	0.2	2
68	Nonlinear characterization of concurrent dual-band RF power amplifiers. Journal of Electronics, 2012, 29, 215-221.	0.2	0
69	Analysis of Simultaneous Photonic Frequency Downconversion and Optical Subcarrier Modulation in an Electroabsorption Modulator. Journal of Lightwave Technology, 2012, 30, 344-354.	2.7	11
70	A S-Band InAs/InP Quantum Dot Semiconductor Mode-Locked Laser Emitting 403-GHz Repetition Rate Pulses. IEEE Photonics Technology Letters, 2011, 23, 543-545.	1.3	23
71	Ultra-broadband supercontinuum generation using low-cost multimode pumped lasers and highly nonlinear fiber. , 2011, , .		0
72	Photoresponse analysis for uni-traveling-carrier photodiodes. , 2011, , .		1

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73	Performance Improvement of Radio-Over Fiber Links Using Mixed-Polarization Electro-Absorption Modulators. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 3239-3248.	2.9	18
74	A survey of capacity in cooperative relay networks. , 2011, , .		1
75	A compact frequency reconfigurable antenna applied to WLAN/WiMAX. , 2011, , .		3
76	Compact Coplanar Waveguide Spiral Antenna With Circular Polarization for Wideband Applications. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 666-669.	2.4	24
77	Optical Single-Sideband Modulation With Tunable Optical Carrier to Sideband Ratio in Radio Over Fiber Systems. Journal of Lightwave Technology, 2011, 29, 775-781.	2.7	150
78	Performance of RF Signal Transmission Over Coherence Multiplexing Systems. Journal of Lightwave Technology, 2011, 29, 1764-1774.	2.7	0
79	Analysis of the Bertoni-Walfisch propagation model for mobile radio. , 2011, , .		1
80	Breakthroughs in Optical Wireless Broadband Access Networks. IEEE Photonics Journal, 2011, 3, 331-336.	1.0	9
81	Physical statistical modelling of MIMO channel based on Rician distribution. , 2011, , .		0
82	Design of a planar antenna with G-shaped rings for WLAN/ WiMAX. , 2011, , .		0
83	Behavior modeling for multi-carrier multi-mode power amplifiers using real-valued time-delay RBF networks. , 2011, , .		7
84	Reduction of intermodulation distortion in directly modulated lasers by RF predistortion. , 2011, , .		1
85	Multi-Carrier TD-SCDMA Power Amplifier Linearization with a Memory Polynomial Predistorter. , 2011, , .		1
86	Development of Packaged Ultra-Wideband Bandpass Filters. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 220-228.	2.9	37
87	Optical Generation of Millimeter-Wave Multiband OFDM Ultra-Wideband Wireless Signal and Distribution Over Fiber. IEEE Photonics Technology Letters, 2010, 22, 1180-1182.	1.3	15
88	Photonic Down-Conversion of Millimeter Wave Multiband Orthogonal Frequency Division Multiplexing Ultra-Wideband Using Four Wave Mixing in an Electro-Absorption Modulator. Journal of Lightwave Technology, 2010, 28, 1987-1993.	2.7	9
89	Impact of Electro-Absorption Modulator Integrated Laser on MB-OFDM Ultra-Wideband Signals Over Fiber Systems. Journal of Lightwave Technology, 2010, , .	2.7	8
90	Periodic Leaky-Wave Antenna for Millimeter Wave Applications Based on Substrate Integrated Waveguide. IEEE Transactions on Antennas and Propagation, 2010, 58, 340-347.	3.1	155

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91	A simple simulation method for Nakagami fading channel. , 2010, , .		7
92	Photonic generation of millimeter-waves using two cascaded Electro-Absorption Modulators in radio-over-fiber systems. , 2010, , .		2
93	Performance characterization and limitation of coherence multiplexing technique in Radio over Fiber systems. , 2010, , .		1
94	Performance evaluation of MB-OFDM Ultra-Wideband over fiber transmission using a low cost Electro-Absorption Modulator integrated laser. , 2010, , .		0
95	A channel model of the wideband MIMO Mobile-to-Mobile systems. , 2010, , .		2
96	Impact of Optical Transmission on Multiband OFDM Ultra-Wideband Wireless System With Fiber Distribution. Journal of Lightwave Technology, 2009, 27, 4112-4123.	2.7	33
97	Enhanced Spurious-Free Dynamic Range Using Mixed Polarization in Optical Single Sideband Mach-Zehnder Modulator. Journal of Lightwave Technology, 2009, 27, 3034-3041.	2.7	80
98	Mean Relative Intensity Noise Transfer in Fiber Raman Amplifiers Using Multiple-Wavelength Pumps. Journal of Lightwave Technology, 2009, , .	2.7	0
99	Electroabsorption Modulator Frequency Down-Conversion for Uplink Radio-Over-Fiber. IEEE Photonics Technology Letters, 2008, 20, 1875-1877.	1.3	7
100	Mean Relative Intensity Noise Transfer in Fiber Raman Amplifiers Using Multiple-Wavelength Pumps. Journal of Lightwave Technology, 2007, 25, 1458-1465.	2.7	4
101	Simulation of Linear Birefringence Reduction in Fiber-Optical Current Sensor. IEEE Photonics Technology Letters, 2007, 19, 1568-1570.	1.3	20
102	Junction Thermal Impedance Measurement of Superluminescent Diodes. IEEE Photonics Technology Letters, 2007, 19, 683-685.	1.3	3
103	Linearized Optical Single-Sideband Mach-Zehnder Modulator for Radio-Over-Fiber Systems. IEEE Photonics Technology Letters, 2007, 19, 2024-2026.	1.3	27
104	A novel single wavelength balanced system for radio over fiber links. IEEE Photonics Technology Letters, 2006, 18, 301-303.	1.3	24
105	PSpice Modeling of Thermal Performance in Laser Diodes Packaging. , 2006, , .		0
106	Millimeter-Wave Photonic Techniques for Broadband Communication and Sensor Applications. , 2006, , .		1
107	Impact of nonlinear distortion in radio over fiber systems with single-sideband and tandem single-sideband subcarrier modulations. Journal of Lightwave Technology, 2006, 24, 2076-2090.	2.7	26
108	Phase-Noise Analysis of Optically Generated Millimeter-Wave Signals With External Optical Modulation Techniques. Journal of Lightwave Technology, 2006, 24, 4861-4875.	2.7	65

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109	16 kHz Scanning Optical Delay Line for Real-Time Video Rate Optical Coherence Tomography. , 2006, , .		0
110	Impact of fiber nonlinearity on PMD penalty in DWDM transmission systems. IEEE Photonics Technology Letters, 2005, 17, 501-503.	1.3	11
111	Distributed fiber Raman amplifiers with incoherent pumping. IEEE Photonics Technology Letters, 2005, 17, 1175-1177.	1.3	21
112	A novel photonic frequency down-shifting technique for millimeter-wave-band radio-over-fiber systems. IEEE Photonics Technology Letters, 2005, 17, 1728-1730.	1.3	9
113	A Hybrid BEM/WTM/DFT Technique for Analysis of the EM Scattering From Open-Ended Circular Cavities With Cylindrically Periodic Terminations. IEEE Transactions on Antennas and Propagation, 2004, 52, 2479-2483.	3.1	3
114	Noise statistics in optically preamplified differential phase-shift keying receivers with Mach-Zehnder interferometer demodulation. Optics Letters, 2004, 29, 337.	1.7	18
115	Accurate Sampling of Gaussian Laser Beam Profile in Monte Carlo Simulation. , 0, , .		0