

Fa-Lin Liu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71 papers	313 citations	10 h-index	14 g-index
108 ext. papers	438 ext. citations	1.9 avg, IF	3.46 L-index

#	Paper	IF	Citations
71	A Residual-Fitting Modeling Method for Digital Predistortion of Broadband Power Amplifiers. <i>IEEE Microwave and Wireless Components Letters</i> , 2022 , 1-4	2.6	
70	Generalized Ridge Regression-Based Few-Sample Learning Digital Predistortion. <i>IEEE Microwave and Wireless Components Letters</i> , 2022 , 1-4	2.6	1
69	A Manifold Regularization Approach for Low Sampling Rate Digital Predistortion With Band-Limited Feedback. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2022 , 1-1	4.1	2
68	Heuristic Model Structure Optimization for Digital Predistortion. <i>IEEE Access</i> , 2021 , 1-1	3.5	0
67	Block-Oriented Time-Delay Neural Network Behavioral Model for Digital Predistortion of RF Power Amplifiers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 1-1	4.1	3
66	Signed Orthogonal Regressor Algorithm for Digital Predistortion of Power Amplifiers. <i>IEEE Microwave and Wireless Components Letters</i> , 2021 , 31, 869-872	2.6	2
65	One bit compressive sensing with off-grid targets 2021 , 115, 103088		1
64	Vector Decomposed Long Short-Term Memory Model for Behavioral Modeling and Digital Predistortion for Wideband RF Power Amplifiers. <i>IEEE Access</i> , 2020 , 8, 63780-63789	3.5	9
63	Instant Gated Recurrent Neural Network Behavioral Model for Digital Predistortion of RF Power Amplifiers. <i>IEEE Access</i> , 2020 , 8, 67474-67483	3.5	6
62	Synthetic aperture radar autofocus based on phaseless measurements. <i>Journal of Applied Remote Sensing</i> , 2020 , 14, 1	1.4	0
61	Vector Decomposition Based Time-Delay Neural Network Behavioral Model for Digital Predistortion of RF Power Amplifiers. <i>IEEE Access</i> , 2019 , 7, 91559-91568	3.5	18
60	A method for single-band and multiband filters design based on right trapezoid half-mode substrate integrated waveguide. <i>Microwave and Optical Technology Letters</i> , 2019 , 61, 963-967	1.2	
59	A compact FSS with dual passbands and wide stopband. <i>IEICE Electronics Express</i> , 2019 , 16, 20190067-20190067		1
58	A Novel Dual-Band Controllable Bandpass Filter Based on Fan-Shaped Substrate Integrated Waveguide. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 308-310	2.6	19
57	A novel triple-band bandpass filter based on equilateral triangle substrate integrated waveguide. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 575-578	1.2	5
56	Compact differential bandpass filter using one-sixth mode and novel one-third mode triangular SIW resonators. <i>IEICE Electronics Express</i> , 2018 , 15, 20180044-20180044	0.5	1
55	Mixed sparse representation for approximated observation-based compressed sensing radar imaging. <i>Journal of Applied Remote Sensing</i> , 2018 , 12, 1	1.4	2

54	Forward Modeling Assisted Digital Predistortion Method for Hybrid Beamforming Transmitters with a Single PA Feedback 2018 ,		5
53	Research on video transmission Ad Hoc network routing technology oriented multimedia applications. <i>Journal of Intelligent and Fuzzy Systems</i> , 2018 , 34, 879-886	1.6	1
52	Compact balanced bandpass filter with the fractal defected structures. <i>IEICE Electronics Express</i> , 2018 , 15, 20180518-20180518	0.5	2
51	In-Phase or Quadrature Observation for Indirect Learning Architecture Digital Predistortion Method Based on Forward Modeling 2018 ,		1
50	1-bit Observation for Direct-Learning-Based Digital Predistortion of RF Power Amplifiers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 2465-2475	4.1	10
49	Forward modeling assisted 1-bit data acquisition based model extraction for digital predistortion of RF power amplifiers 2017 ,		1
48	Novel compact single-band and dual-band bandpass filter based on one-third-mode substrate integrated waveguide. <i>IEICE Electronics Express</i> , 2017 , 14, 20170832-20170832	0.5	4
47	Centralized Optimization for Dec-POMDPs Under the Expected Average Reward Criterion. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 6032-6038	5.9	3
46	Gridless compressive sensing method for line spectral estimation from 1-bit measurements 2017 , 60, 152-162		10
45	One-bit in-phase observation for direct learning-based digital predistortion with modified frequency-domain delay estimation and alignment. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2017 , 27, e21149	1.5	1
44	Phase Error Correction for Approximated Observation-Based Compressed Sensing Radar Imaging. <i>Sensors</i> , 2017 , 17,	3.8	6
43	Quasi quarter SIW-mode resonator and its application to sierpinski fractal filter design. <i>Microwave and Optical Technology Letters</i> , 2016 , 58, 1176-1179	1.2	1
42	Finding Optimal Observation-Based Policies for Constrained POMDPs Under the Expected Average Reward Criterion. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 3070-3075	5.9	2
41	Robust 1-bit compressive sensing via variational Bayesian algorithm 2016 , 50, 84-92		7
40	Cross-coupled bandpass filter based on circular substrate integrated waveguide resonator. <i>IEICE Electronics Express</i> , 2016 , 13, 20160953-20160953	0.5	3
39	Quasi Eighth-Mode Substrate Integrated Waveguide (SIW) Fractal Resonator Filter Utilizing Gap Coupling Compensation. <i>Frequenz</i> , 2016 , 70,	0.6	1
38	2016 ,		2
37	Fast compressed sensing SAR imaging using stepped frequency waveform 2016 ,		2

36	A 1-bit compressive sensing approach for SAR imaging based on approximated observation 2016 ,		1
35	One-step extraction of optimal normalisation gain for digital predistortion linearisation. <i>Electronics Letters</i> , 2015 , 51, 514-516	1.1	3
34	Broadband high-efficiency power amplifier with harmonic suppression based on load-pull technique. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 481-485	1.2	
33	Robust and fast iterative algorithm based on Levenberg-Marquardt and spectral extrapolation for wideband digital predistortion of RF power amplifiers 2015 ,		1
32	A random demodulation based reduced sampling rate method for wideband digital predistortion 2015 ,		3
31	2014 ,		6
30	An easily implementable structure for broadband high efficiency Class-J power amplifier 2014 ,		1
29	SIW-Slot-Fed Thin Beam-Squint-Free Fabry-Pérot Cavity Antenna With Low Backlobe Levels. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 552-554	3.8	11
28	A pruning method of joint 2D digital predistortion model for nonlinearity and I/Q imperfections in concurrent dual-band transmitters 2014 ,		2
27	Frequency domain data based model extraction for band-limited digital predistortion of wideband RF power amplifiers. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2014 , 24, 412-420	1.5	2
26	One-step model extraction method for direct learning digital predistortion. <i>Electronics Letters</i> , 2014 , 50, 1148-1150	1.1	1
25	Two New Electric Coupling Structures for Double Folded Substrate Integrated Waveguide Cavity Filters with Transmission Zeros. <i>Microwave and Optical Technology Letters</i> , 2013 , 55, 1815-1818	1.2	2
24	A strategy of SAR imaging based on 2-D block compressive sensing 2013 ,		1
23	2D orthogonal polynomials for concurrent dual-band digital predistortion 2013 ,		13
22	Dual-band bandpass filters using SIRs with open-stub line and zero-degree feed structure 2013 ,		3
21	A compact C-band bandpass filter using one eighth substrate integrated waveguide resonator 2012 ,		3
20	Wavelet-Based Compressed Sensing Using Low Frequency Coefficients 2012 ,		1
19	Concurrent dual band class F power amplifier with novel harmonic control network. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 707-711	1.2	1

18	A cross-coupled double folded substrate integrated waveguide filter with novel coupling structures 2012 ,		2
17	High-efficiency concurrent dual-band class-F and inverse class-F power amplifier. <i>Electronics Letters</i> , 2011 , 47, 847	1.1	29
16	Compressive Sensing for Fast Analysis of Wide-Angle Monostatic Scattering Problems. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 1243-1246	3.8	33
15	An Anti-Noise Strategy of SAR Based on Compressive Sensing. <i>Advanced Materials Research</i> , 2011 , 403-408, 1937-1940	0.5	
14	A 38 GHz ultra-wideband low noise amplifier employing noise cancellation 2010 ,		1
13	A distributed class-based alternative routing under a congestion control architecture for LEO satellite networks 2010 ,		1
12	AdOn: toward contextual overlay in-video advertising. <i>Multimedia Systems</i> , 2010 , 16, 335-344	2.2	21
11	A new impedance match method to improve efficiency of LINC with Chireix combiner. <i>Microwave and Optical Technology Letters</i> , 2010 , 52, 1418-1421	1.2	
10	AdOn 2009 ,		13
9	Novel Tag Anti-Collision Algorithm with Adaptive Grouping. <i>Wireless Sensor Network</i> , 2009 , 01, 475-481	0.9	4
8	A novel broadband circularly polarized microstrip helical antenna 2008 ,		1
7	Compact NRD-Guide Switch by Using Schottky Barrier Diodes. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2003 , 24, 1531-1538		
6	E-plane waveguide filters with partially filled dielectrics for wide bandwidth. <i>Microwave and Optical Technology Letters</i> , 2001 , 31, 175-177	1.2	2
5	An alternate method for the analysis of a waveguide-loaded cavity. <i>Microwave and Optical Technology Letters</i> , 2000 , 25, 283-285	1.2	1
4	Coupling of NRD-Guide Filled with Low Permittivity Dielectric Between Waveguides. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2000 , 21, 1331-1340		
3	A Unified Approach to the Analysis of a Category of H-Plane Discontinuities. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1998 , 19, 1103-1112		3
2	The real-time extraction technique of swept frequency nonlinearity of MM-wave LFM CW radar		1
1	Digital predistortion based on sample selection with memory effect. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , e22976	1.5	2

