Fa-Lin Liu

List of Publications by Citations

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

#	Paper	IF	Citations
71	Compressive Sensing for Fast Analysis of Wide-Angle Monostatic Scattering Problems. *IEEE Antennas and Wireless Propagation Letters*, **2011**, 10, 1243-1246	3.8	33
70	High-efficiency concurrent dual-band class-F and inverse class-F power amplifier. *Electronics Letters*, **2011**, 47, 847	1.1	29
69	AdOn: toward contextual overlay in-video advertising. *Multimedia Systems*, **2010**, 16, 335-344	2.2	21
68	A Novel Dual-Band Controllable Bandpass Filter Based on Fan-Shaped Substrate Integrated Waveguide. *IEEE Microwave and Wireless Components Letters*, **2018**, 28, 308-310	2.6	19
67	Vector Decomposition Based Time-Delay Neural Network Behavioral Model for Digital Predistortion of RF Power Amplifiers. *IEEE Access*, **2019**, 7, 91559-91568	3.5	18
66	2D orthogonal polynomials for concurrent dual-band digital predistortion **2013**,		13
65	AdOn **2009**,		13
64	SIW-Slot-Fed Thin Beam-Squint-Free Fabry-P□ot Cavity Antenna With Low Backlobe Levels. *IEEE Antennas and Wireless Propagation Letters*, **2014**, 13, 552-554	3.8	11
63	1-bit Observation for Direct-Learning-Based Digital Predistortion of RF Power Amplifiers. *IEEE Transactions on Microwave Theory and Techniques*, **2017**, 65, 2465-2475	4.1	10
62	Gridless compressive sensing method for line spectral estimation from 1-bit measurements **2017**, 60, 152-162		10
61	Vector Decomposed Long Short-Term Memory Model for Behavioral Modeling and Digital Predistortion for Wideband RF Power Amplifiers. *IEEE Access*, **2020**, 8, 63780-63789	3.5	9
60	Robust 1-bit compressive sensing via variational Bayesian algorithm **2016**, 50, 84-92		7
59	Instant Gated Recurrent Neural Network Behavioral Model for Digital Predistortion of RF Power Amplifiers. *IEEE Access*, **2020**, 8, 67474-67483	3.5	6
58	Phase Error Correction for Approximated Observation-Based Compressed Sensing Radar Imaging. *Sensors*, **2017**, 17,	3.8	6
57	**2014**,		6
56	A novel triple-band bandpass filter based on equilateral triangle substrate integrated waveguide. *Microwave and Optical Technology Letters*, **2018**, 60, 575-578	1.2	5
55	Forward Modeling Assisted Digital Predistortion Method for Hybrid Beamforming Transmitters with a Single PA Feedback **2018**,		5

54	Novel compact single-band and dual-band bandpass filter based on one-third-mode substrate integrated waveguide. *IEICE Electronics Express*, **2017**, 14, 20170832-20170832	0.5	4
53	Novel Tag Anti-Collision Algorithm with Adaptive Grouping. *Wireless Sensor Network*, **2009**, 01, 475-481	0.9	4
52	One-step extraction of optimal normalisation gain for digital predistortion linearisation. *Electronics Letters*, **2015**, 51, 514-516	1.1	3
51	Centralized Optimization for Dec-POMDPs Under the Expected Average Reward Criterion. *IEEE Transactions on Automatic Control*, **2017**, 62, 6032-6038	5.9	3
50	A random demodulation based reduced sampling rate method for wideband digital predistortion **2015**,		3
49	A compact C-band bandpass filter using one eighth substrate integrated waveguide resonator **2012** ,		3
48	Dual-band bandpass filters using SIRs with open-stub line and zero-degree feed structure **2013**,		3
47	A Unified Approach to the Analysis of a Category of H-Plane Discontinuities. *Journal of Infrared, Millimeter and Terahertz Waves*, **1998**, 19, 1103-1112		3
46	Block-Oriented Time-Delay Neural Network Behavioral Model for Digital Predistortion of RF Power Amplifiers. *IEEE Transactions on Microwave Theory and Techniques*, **2021**, 1-1	4.1	3
45	Cross-coupled bandpass filter based on circular substrate integrated waveguide resonator. *IEICE Electronics Express*, **2016**, 13, 20160953-20160953	0.5	3
44	Finding Optimal Observation-Based Policies for Constrained POMDPs Under the Expected Average Reward Criterion. *IEEE Transactions on Automatic Control*, **2016**, 61, 3070-3075	5.9	2
43	Two New Electric Coupling Structures for Double Folded Substrate Integrated Waveguide Cavity Filters with Transmission Zeros. *Microwave and Optical Technology Letters*, **2013**, 55, 1815-1818	1.2	2
42	A pruning method of joint 2D digital predistortion model for nonlinearity and I/Q imperfections in concurrent dual-band transmitters **2014**,		2
41	Frequency domain data based model extraction for band-limited digital predistortion of wideband RF power amplifiers. *International Journal of RF and Microwave Computer-Aided Engineering*, **2014**, 24, 412-420	1.5	2
40	A cross-coupled double folded substrate integrated waveguide filter with novel coupling structures **2012**,		2
39	E-plane waveguide filters with partially filled dielectrics for wide bandwidth. *Microwave and Optical Technology Letters*, **2001**, 31, 175-177	1.2	2
38	Digital predistortion based on sample selection with memory effect. *International Journal of RF and Microwave Computer-Aided Engineering*,e22976	1.5	2
37	Mixed sparse representation for approximated observation-based compressed sensing radar imaging. *Journal of Applied Remote Sensing*, **2018**, 12, 1	1.4	2

36	**2016**,		2
35	Fast compressed sensing SAR imaging using stepped frequency waveform **2016**,		2
34	Compact balanced bandpass filter with the fractal defected structures. *IEICE Electronics Express*, **2018**, 15, 20180518-20180518	0.5	2
33	Signed Orthogonal Regressor Algorithm for Digital Predistortion of Power Amplifiers. *IEEE Microwave and Wireless Components Letters*, **2021**, 31, 869-872	2.6	2
32	A Manifold Regularization Approach for Low Sampling Rate Digital Predistortion With Band-Limited Feedback. *IEEE Transactions on Microwave Theory and Techniques*, **2022**, 1-1	4.1	2
31	Forward modeling assisted 1-bit data acquisition based model extraction for digital predistortion of RF power amplifiers **2017**,		1
30	A compact FSS with dual passbands and wide stopband. *IEICE Electronics Express*, **2019**, 16, 20190067-20190067	0.5	1
29	Robust and fast iterative algorithm based on Levenberg-Marquardt and spectral extrapolation for wideband digital predistortion of RF power amplifiers **2015**,		1
28	Compact differential bandpass filter using one-sixth mode and novel one-third mode triangular SIW resonators. *IEICE Electronics Express*, **2018**, 15, 20180044-20180044	0.5	1
27	Quasi quarter SIW-mode resonator and its application to sierpinski fractal filter design. *Microwave and Optical Technology Letters*, **2016**, 58, 1176-1179	1.2	1
26	A strategy of SAR imaging based on 2-D block compressive sensing **2013**,		1
25	One-bit in-phase observation for direct learning-based digital predistortion with modified frequency-domain delay estimation and alignment. *International Journal of RF and Microwave Computer-Aided Engineering*, **2017**, 27, e21149	1.5	1
24	An easily implementable structure for broadband high efficiency Class-J power amplifier **2014**,		1
23	One-step model extraction method for direct learning digital predistortion. *Electronics Letters*, **2014**, 50, 1148-1150	1.1	1
22	Wavelet-Based Compressed Sensing Using Low Frequency Coefficients **2012**,		1
21	Concurrent dual band class F power amplifier with novel harmonic control network. *Microwave and Optical Technology Letters*, **2012**, 54, 707-711	1.2	1
20	A 3.5 GHz ultra-wideband low noise amplifier employing noise cancellation **2010**,		1
19	A distributed class-based alternative routing under a congestion control architecture for LEO satellite networks **2010**,		1

18	A novel broadband circularly polarized microstrip helical antenna **2008**,		1
17	An alternate method for the analysis of a waveguide-loaded cavity. *Microwave and Optical Technology Letters*, **2000**, 25, 283-285	1.2	1
16	The real-time extraction technique of swept frequency nonlinearity of MM-wave LFMCW radar		1
15	Quasi Eighth-Mode Substrate Integrated Waveguide (SIW) Fractal Resonator Filter Utilizing Gap Coupling Compensation. *Frequenz*, **2016**, 70,	0.6	1
14	A 1-bit compressive sensing approach for SAR imaging based on approximated observation **2016**,		1
13	Research on video transmission Ad Hoc network routing technology oriented multimedia applications. *Journal of Intelligent and Fuzzy Systems*, **2018**, 34, 879-886	1.6	1
12	In-Phase or Quadrature Observation for Indirect Learning Architecture Digital Predistortion Method Based on Forward Modeling **2018**,		1
11	One bit compressive sensing with off-grid targets **2021**, 115, 103088		1
10	Generalized Ridge Regression-Based Few-Sample Learning Digital Predistortion. *IEEE Microwave and Wireless Components Letters*, **2022**, 1-4	2.6	1
9	Synthetic aperture radar autofocus based on phaseless measurements. *Journal of Applied Remote Sensing*, **2020**, 14, 1	1.4	0
8	Heuristic Model Structure Optimization for Digital Predistortion. *IEEE Access*, **2021**, 1-1	3.5	0
7	A method for single-band and multiband filters design based on right trapezoid half-mode substrate integrated waveguide. *Microwave and Optical Technology Letters*, **2019**, 61, 963-967	1.2	
6	Broadband high-efficiency power amplifier with harmonic suppression based on load-pull technique. *Microwave and Optical Technology Letters*, **2015**, 57, 481-485	1.2	
5	An Anti-Noise Strategy of SAR Based on Compressive Sensing. *Advanced Materials Research*, **2011**, 403-408, 1937-1940	0.5	
4	A new impedance match method to improve efficiency of LINC with Chireix combiner. *Microwave and Optical Technology Letters*, **2010**, 52, 1418-1421	1.2	
3	Compact NRD-Guide Switch by Using Schottky Barrier Diodes. *Journal of Infrared, Millimeter and Terahertz Waves*, **2003**, 24, 1531-1538		
2	Coupling of NRD-Guide Filled with Low Permittivity Dielectric Between Waveguides. *Journal of Infrared, Millimeter and Terahertz Waves*, **2000**, 21, 1331-1340		
1	A Residual-Fitting Modeling Method for Digital Predistortion of Broadband Power Amplifiers. *IEEE Microwave and Wireless Components Letters*, **2022**, 1-4	2.6	