Yuan-Pei Lin

List of Publications by Year
in descending order

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45 papers	1,209 citations	471371 17 h-index	395590 33 g-index
45 all docs	45 docs citations	45 times ranked	687 citing authors

#	Article	IF	Citations
1	Statistical Precoding for Dual-Polarized narrowband and wideband mmWave Systems. , 2021, , .		0
2	Random SBT Precoding for Angle Estimation of mmWave Massive MIMO Systems Using Sparse Arrays Spacing. IEEE Access, 2020, 8, 163380-163393.	2.6	6
3	Hybrid MIMO-OFDM for Downlink Multi-User Communications Over Millimeter Channels with no Instantaneous Feedback. , 2019, , .		3
4	Hybrid MIMO-OFDM Beamforming for Wideband mmWave Channels Without Instantaneous Feedback. IEEE Transactions on Signal Processing, 2018, 66, 5142-5151.	3.2	27
5	Differential Feedback of Geometrical Mean Decomposition Precoder for Time-Correlated MIMO Systems. IEEE Transactions on Signal Processing, 2017, 65, 3833-3845.	3.2	5
6	On the Quantization of Phase Shifters for Hybrid Precoding Systems. IEEE Transactions on Signal Processing, 2017, 65, 2237-2246.	3.2	36
7	Beamforming with no instantaneous feedback for mmWave transmission. , 2017, , .		3
8	Resource allocation and minimum rate for precoded non-orthogonal multiple access. , 2017, , .		0
9	Secure MIMO transmission via compressive sensing. , 2015, , .		1
10	Predictive Coding of Bit Loading for Time-Correlated MIMO Channels With a Decision Feedback Receiver. IEEE Transactions on Signal Processing, 2015, 63, 3376-3386.	3.2	6
11	On Quantization for Masked Beamforming Secrecy Systems. IEEE Transactions on Wireless Communications, 2015, 14, 5616-5628.	6.1	2
12	Secure Transmission Using MIMO Precoding. IEEE Transactions on Information Forensics and Security, 2014, 9, 801-813.	4.5	20
13	Variable-Rate Transmission for MIMO Time-Correlated Channels With Limited Feedback. IEEE Transactions on Signal Processing, 2014, 62, 5085-5094.	3.2	2
14	Multiple precoder codebooks for MIMO systems with limited feedback of precoder and bit loading. , 2013, , .		0
15	Limited Feedback of Precoder and Bit Loading for MIMO Systems: A Joint Design. IEEE Transactions on Signal Processing, 2013, 61, 6091-6102.	3.2	5
16	Feedback rate allocation of precoder and bit loading for MIMO systems with limited feedback. , 2013, , .		0
17	Statistical designs for transmission over correlated MIMO channels with linear receivers. , 2012, , .		0
18	Statistical Bit Allocation and Statistical Precoding for Correlated MIMO Channels With Decision Feedback. IEEE Signal Processing Letters, 2012, 19, 761-764.	2.1	3

#	Article	IF	Citations
19	Power-minimizing and rate-maximizing transceivers with integer bit allocation: A duality. , 2011, , .		0
20	On the Duality of MIMO Transceiver Designs With Bit Allocation. IEEE Transactions on Signal Processing, 2011, 59, 3775-3787.	3.2	7
21	A New Iterative Algorithm for Finding the Minimum Sampling Frequency of MultiBand Signals. IEEE Transactions on Signal Processing, 2010, 58, 5446-5450.	3.2	13
22	A filterbank approach to window designs for multicarrier systems. IEEE Circuits and Systems Magazine, 2007, 7, 19-30.	2.6	7
23	ISI-Free Block Transceivers for Unknown Frequency Selective Channels. IEEE Transactions on Signal Processing, 2007, 55, 1564-1567.	3.2	5
24	Precoded Multiuser OFDM Transceiver in Timing Asynchronous Environment. IEEE Transactions on Communications, 2007, 55, 1863-1866.	4.9	11
25	Window designs for DFT-based multicarrier systems. IEEE Transactions on Signal Processing, 2005, 53, 1015-1024.	3.2	43
26	An approximately MAI-free multiaccess OFDM system in carrier frequency offset environment. IEEE Transactions on Signal Processing, 2005, 53, 4339-4353.	3.2	27
27	Wavelet Tree Quantization for Copyright Protection Watermarking. IEEE Transactions on Image Processing, 2004, 13, 154-165.	6.0	260
28	OFDM transmitters: analog representation and dft-based implementation. IEEE Transactions on Signal Processing, 2003, 51, 2450-2453.	3.2	27
29	BER minimized OFDM systems with channel independent precoders. IEEE Transactions on Signal Processing, 2003, 51, 2369-2380.	3.2	136
30	Optimal biorthogonal transform for colored noise suppression with subband Wiener filtering. IEEE Signal Processing Letters, 2002, 9, 154-156.	2.1	0
31	Lapped unimodular transform and its factorization. IEEE Transactions on Signal Processing, 2002, 50, 2695-2701.	3.2	16
32	Smith form of FIR pseudocirculants. IEEE Signal Processing Letters, 2002, 9, 256-258.	2.1	7
33	Minimum redundancy for ISI free FIR filterbank transceivers. IEEE Transactions on Signal Processing, 2002, 50, 842-853.	3.2	54
34	ISI-free FIR filterbank transceivers for frequency-selective channels. IEEE Transactions on Signal Processing, 2001, 49, 2648-2658.	3.2	32
35	Optimal ISI-free DMT transceivers for distorted channels with colored noise. IEEE Transactions on Signal Processing, 2001, 49, 2702-2712.	3.2	44
36	MINLAB: minimum noise structure for ladder-based biorthogonal filter banks. IEEE Transactions on Signal Processing, 2000, 48, 465-476.	3.2	9

#	ARTICLE	IF	CITATIONS
37	Perfect discrete multitone modulation with optimal transceivers. IEEE Transactions on Signal Processing, 2000, 48, 1702-1711.	3.2	46
38	Prediction-based lower triangular transform. IEEE Transactions on Signal Processing, 2000, 48, 1947-1955.	3.2	26
39	A new class of optimal biorthogonal subband coder. IEEE Signal Processing Letters, 1999, 6, 4-7.	2.1	1
40	A Kaiser window approach for the design of prototype filters of cosine modulated filterbanks. IEEE Signal Processing Letters, 1998, 5, 132-134.	2.1	152
41	Theory and design of two-parallelogram filter banks. IEEE Transactions on Signal Processing, 1996, 44, 2688-2706.	3.2	21
42	On the study of four-parallelogram filter banks. IEEE Transactions on Signal Processing, 1996, 44, 2707-2717.	3.2	3
43	Theory and design of two-dimensional filter Banks: A review. Multidimensional Systems and Signal Processing, 1996, 7, 263-330.	1.7	52
44	Linear phase cosine modulated maximally decimated filter banks with perfect reconstruction. IEEE Transactions on Signal Processing, 1995, 43, 2525-2539.	3.2	86
45	New results on multidimensional Chinese remainder theorem. IEEE Signal Processing Letters, 1994, 1, 176-178.	2.1	5