

# See-may Phoong

## List of Publications by Year in descending order

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84  
papers

1,301  
citations

516710

16  
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434195

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g-index

85  
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85  
docs citations

85  
times ranked

633  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new class of two-channel biorthogonal filter banks and wavelet bases. IEEE Transactions on Signal Processing, 1995, 43, 649-665.	5.3	339
2	BER minimized OFDM systems with channel independent precoders. IEEE Transactions on Signal Processing, 2003, 51, 2369-2380.	5.3	136
3	Minimum redundancy for ISI free FIR filterbank transceivers. IEEE Transactions on Signal Processing, 2002, 50, 842-853.	5.3	54
4	Joint estimation of I/Q imbalance, CFO and channel response for MIMO OFDM systems. IEEE Transactions on Communications, 2010, 58, 1485-1492.	7.8	47
5	Perfect discrete multitone modulation with optimal transceivers. IEEE Transactions on Signal Processing, 2000, 48, 1702-1711.	5.3	46
6	Optimal ISI-free DMT transceivers for distorted channels with colored noise. IEEE Transactions on Signal Processing, 2001, 49, 2702-2712.	5.3	44
7	Window designs for DFT-based multicarrier systems. IEEE Transactions on Signal Processing, 2005, 53, 1015-1024.	5.3	43
8	Time-varying filters and filter banks: some basic principles. IEEE Transactions on Signal Processing, 1996, 44, 2971-2987.	5.3	37
9	ISI-free FIR filterbank transceivers for frequency-selective channels. IEEE Transactions on Signal Processing, 2001, 49, 2648-2658.	5.3	32
10	Paraunitary filter banks over finite fields. IEEE Transactions on Signal Processing, 1997, 45, 1443-1457.	5.3	29
11	OFDM transmitters: analog representation and dft-based implementation. IEEE Transactions on Signal Processing, 2003, 51, 2450-2453.	5.3	27
12	A Time-Domain Joint Estimation Algorithm for CFO and I/Q Imbalance in Wideband Direct-Conversion Receivers. IEEE Transactions on Wireless Communications, 2012, 11, 2353-2361.	9.2	27
13	Prediction-based lower triangular transform. IEEE Transactions on Signal Processing, 2000, 48, 1947-1955.	5.3	26
14	Antipodal paraunitary matrices and their application to OFDM systems. IEEE Transactions on Signal Processing, 2005, 53, 1374-1386.	5.3	20
15	Discrete multitone modulation with principal component filter banks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 1397-1412.	0.1	19
16	Unitary Precoders for ST-OFDM Systems Using Alamouti STBC. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 2860-2869.	5.4	19
17	A New Cyclic-Prefix Based Algorithm for Blind CFO Estimation in OFDM Systems. IEEE Transactions on Wireless Communications, 2016, 15, 3995-4008.	9.2	18
18	Lapped unimodular transform and its factorization. IEEE Transactions on Signal Processing, 2002, 50, 2695-2701.	5.3	16

#	ARTICLE	IF	CITATIONS
19	Channel estimation in the presence of transmitter and receiver I/Q mismatches for OFDM systems. IEEE Transactions on Wireless Communications, 2009, 8, 4476-4479.	9.2	15
20	A New Iterative Algorithm for Finding the Minimum Sampling Frequency of MultiBand Signals. IEEE Transactions on Signal Processing, 2010, 58, 5446-5450.	5.3	13
21	Blind CFO Estimation in OFDMA Uplink Transmission With General Carrier Assignment Scheme. IEEE Communications Letters, 2018, 22, 1014-1017.	4.1	13
22	Optimality of principal component filter banks for discrete multitone communication systems. , 0, , .		12
23	Blind Estimation of Multiple Carrier Frequency Offsets in OFDMA Uplink Systems Employing Virtual Carriers. IEEE Access, 2020, 8, 2915-2923.	4.2	10
24	MINLAB: minimum noise structure for ladder-based biorthogonal filter banks. IEEE Transactions on Signal Processing, 2000, 48, 465-476.	5.3	9
25	Design of Nonuniform Filter Bank Transceivers for Frequency Selective Channels. Eurasip Journal on Advances in Signal Processing, 2006, 2007, 1.	1.7	9
26	Joint estimation of I/Q imbalance, CFO and channel response for OFDM systems. , 2009, , .		9
27	An Improved Subspace-Based Algorithm for Blind Channel Identification Using Few Received Blocks. IEEE Transactions on Communications, 2013, 61, 3710-3720.	7.8	9
28	Factorability of lossless time-varying filters and filter banks. IEEE Transactions on Signal Processing, 1997, 45, 1971-1986.	5.3	7
29	Application of unimodular matrices to signal compression. , 0, , .		7
30	Smith form of FIR pseudocirculants. IEEE Signal Processing Letters, 2002, 9, 256-258.	3.6	7
31	A filterbank approach to window designs for multicarrier systems. IEEE Circuits and Systems Magazine, 2007, 7, 19-30.	2.3	7
32	A New Algorithm for Carrier Frequency Offset Estimation in the Presence of I/Q Imbalance. , 2010, , .		7
33	A low-complexity blind CFO estimation for OFDM systems. , 2014, , .		7
34	New subspace-based blind channel estimation for orthogonally coded MIMO-OFDM systems. , 2014, , .		7
35	BER optimized channel independent precoder for OFDM system. , 0, , .		6
36	New results on multidimensional Chinese remainder theorem. IEEE Signal Processing Letters, 1994, 1, 176-178.	3.6	5

#	ARTICLE	IF	CITATIONS
37	Minimum-redundancy ISI-free FIR filterbank transceivers. , 2000, , .		5
38	ISI-Free Block Transceivers for Unknown Frequency Selective Channels. IEEE Transactions on Signal Processing, 2007, 55, 1564-1567.	5.3	5
39	Joint estimation of transmitter and receiver I/Q imbalances, CFO, and channel response for OFDM systems. , 2010, , .		5
40	A simple LS algorithm for improving ESPRIT-based blind CFO estimations in OFDM systems. , 2012, , .		5
41	An improved ESPRIT-based blind CFO estimation algorithm in OFDM systems. , 2014, , .		5
42	Two-channel 1D and 2D biorthonormal filter banks with causal stable IIR and linear phase FIR filters. , 0, , .		4
43	Lapped Hadamard transforms and filter banks. , 0, , .		4
44	Bit rate optimized time-domain equalizers for DMT systems. , 0, , .		4
45	A low-cost blind estimation of I/Q imbalance in OFDM systems in the presence of CFO. , 2015, , .		4
46	One- and two-level filter-bank convolvers. IEEE Transactions on Signal Processing, 1995, 43, 116-133.	5.3	3
47	Minimal factorization of lapped unimodular transforms. , 0, , .		3
48	Block based DMT systems with reduced redundancy. , 0, , .		3
49	On Passband Criterion for Eigenfilter Design. IEEE Signal Processing Letters, 2004, 11, 467-469.	3.6	3
50	On the Design Of CMFB Transceivers for Unknown Channels. , 0, , .		3
51	Joint estimation of CFO and receiver I/Q imbalance using virtual subcarriers for OFDM systems. , 2012, , .		3
52	Statistical Bit Allocation and Statistical Precoding for Correlated MIMO Channels With Decision Feedback. IEEE Signal Processing Letters, 2012, 19, 761-764.	3.6	3
53	A subspace-based method for blind CFO estimation in OFDM systems. , 2012, , .		3
54	Feedback for time-correlated MIMO-OFDM system using predictive quantization of bit loading and subcarrier clustering. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
55	Blind channel estimation in OFDM-based amplify-and-forward two-way relay networks. , 2016, , .		3
56	OFDM Channel Estimation in the Presence of Receiver I/Q Imbalance and CFO Using Pilot Symbols. IEICE Transactions on Communications, 2012, E95-B, 531-539.	0.7	3
57	MMSE OFDM and prefixed single carrier systems: BER analysis. , 0, , .		2
58	An Semi-Blind Eigen Approach to Time-Domain Equalizer Design for VDSL Systems. , 0, , .		2
59	An iterative algorithm for finding the minimum sampling frequency for two bandpass signals. , 2009, , .		2
60	A new subspace-based algorithm for blind channel identification in ZP-OFDM systems using few received blocks. , 2013, , .		2
61	New results on paraunitary filter banks over finite fields. , 0, , .		1
62	On the study of lossless time-varying filter banks. , 0, , .		1
63	A new class of optimal biorthogonal subband coder. IEEE Signal Processing Letters, 1999, 6, 4-7.	3.6	1
64	<title>PLT: a new class of low-complexity optimal transform coders</title>. , 1999, , .		1
65	Design of Time Domain Equalizers Incorporating Radio Frequency Interference Suppression. , 2006, , .		1
66	Linearly precoded ST-OFDM systems in the presence of ISI. , 0, , .		1
67	An Eigen-Based TEQ Design for VDSL Systems. IEEE Transactions on Signal Processing, 2007, 55, 290-298.	5.3	1
68	Finding the minimum sampling frequency of multi-band signals: An efficient iterative algorithm. , 2010, , .		1
69	A New Estimation Algorithm for CFO and I/Q Imbalance in Wideband Direct-Conversion Receivers. , 2011, , .		1
70	MSE-optimized CP-based CFO estimation in OFDM systems over multipath channels. , 2017, , .		1
71	A new blind algorithm for channel estimation in OFDM-based amplify-and-forward two-way relay networks. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	2.4	1
72	Optimal block based DMT transceivers. , 0, , .		0

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73	Closed-form expression of Smith forms for pseudo-circulants. , 0, , .		0
74	Optimal biorthogonal transform for colored noise suppression with subband Wiener filtering. IEEE Signal Processing Letters, 2002, 9, 154-156.	3.6	0
75	Optimal transform for colored noise suppression. , 0, , .		0
76	Analog representation and digital implementation of OFDM systems. , 0, , .		0
77	DFT based transceivers with-windowing. , 0, , .		0
78	A Frequency-Domain Sir Maximizing Time-Domain Equalizer for VDSL Systems. , 0, , .		0
79	Filterbank Framework for Multicarrier Systems with Improved Subcarrier Separation. , 2006, , .		0
80	Multirate Systems and Applications. Eurasip Journal on Advances in Signal Processing, 2007, 2007, .	1.7	0
81	A low complexity carrier frequency synchronization for OFDMA uplink transmissions. , 2011, , .		0
82	An improved ESPRIT-based blind CFO estimation for OFDM in the presence of I/Q imbalance. , 2013, , .		0
83	Depth-L Nyquist (M) Filters and Biorthogonal Partners. IEEE Access, 2020, 8, 75512-75522.	4.2	0
84	A multi-stage multi-candidate algorithm for motion estimation. , 0, , .		0