

# Hlaing Minn

## List of Publications by Year in descending order

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102  
papers

1,670  
citations

393982

19  
h-index

329751

37  
g-index

102  
all docs

102  
docs citations

102  
times ranked

1143  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal training signals for MIMO OFDM channel estimation. IEEE Transactions on Wireless Communications, 2006, 5, 1158-1168.	6.1	255
2	A combined timing and frequency synchronization and channel estimation for OFDM. IEEE Transactions on Communications, 2006, 54, 416-422.	4.9	76
3	Optimum DCT-based multicarrier transceivers for frequency-selective channels. IEEE Transactions on Communications, 2006, 54, 911-921.	4.9	72
4	Achievable Downlink Rates of MRC and ZF Precoders in Massive MIMO With Uplink and Downlink Pilot Contamination. IEEE Transactions on Communications, 2015, 63, 4849-4864.	4.9	72
5	Optimal Periodic Training Signal for Frequency Offset Estimation in Frequency-Selective Fading Channels. IEEE Transactions on Communications, 2006, 54, 1081-1096.	4.9	71
6	Differential modulation for two-user cooperative diversity systems. IEEE Journal on Selected Areas in Communications, 2005, 23, 1891-1900.	9.7	63
7	Optimal training signals for MIMO OFDM channel estimation in the presence of frequency offset and phase noise. IEEE Transactions on Communications, 2006, 54, 1754-1759.	4.9	62
8	On Channel Estimation for Massive MIMO With Pilot Contamination. IEEE Communications Letters, 2015, 19, 1660-1663.	2.5	60
9	A new ranging method for OFDMA systems. IEEE Transactions on Wireless Communications, 2007, 6, 659-669.	6.1	55
10	Adaptive Interference Alignment with CSI Uncertainty. IEEE Transactions on Communications, 2013, 61, 792-801.	4.9	45
11	Hybrid Analog-Digital Precoding Design for Secrecy mmWave MISO-OFDM Systems. IEEE Transactions on Communications, 2017, 65, 5009-5026.	4.9	42
12	Two novel iterative joint frequency-offset and channel estimation methods for OFDMA uplink. IEEE Transactions on Communications, 2008, 56, 474-484.	4.9	36
13	Reduced-complexity baseband compensation of joint Tx/Rx I/Q imbalance in mobile MIMO-OFDM. IEEE Transactions on Wireless Communications, 2010, 9, 1720-1728.	6.1	33
14	Capacity Analysis and Pilot-Data Power Allocation for MIMO-OFDM With Transmitter and Receiver IQ Imbalances and Residual Carrier Frequency Offset. IEEE Transactions on Vehicular Technology, 2012, 61, 553-565.	3.9	33
15	Pilot Designs for Channel Estimation of MIMO OFDM Systems with Frequency-Dependent I/Q Imbalances. IEEE Transactions on Communications, 2010, 58, 2252-2264.	4.9	32
16	Frequency Offset Estimation for MB-OFDM-based UWB Systems. , 2006, , .		30
17	Angle-Domain Approach for Parameter Estimation in High-Mobility OFDM With Fully/Partly Calibrated Massive ULA. IEEE Transactions on Wireless Communications, 2019, 18, 591-607.	6.1	28
18	Artificial Noise Aided Hybrid Precoding Design for Secure mmWave MISO Systems with Partial Channel Knowledge. IEEE Signal Processing Letters, 2017, , 1-1.	2.1	25

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19	Frequency Offset Estimation and Training Sequence Design for MIMO OFDM. IEEE Transactions on Wireless Communications, 2008, 7, 1244-1254.	6.1	24
20	A novel OFDMA ranging method exploiting multiuser diversity. IEEE Transactions on Communications, 2010, 58, 945-955.	4.9	24
21	Fast Complex Valued Matrix Inversion for Multi-User STBC-MIMO Decoding. , 2007, , .		18
22	Pilot Designs for Consistent Frequency-Offset Estimation in OFDM Systems. IEEE Transactions on Communications, 2007, 55, 864-877.	4.9	18
23	A Game-Theoretic Approach for Exploiting Multiuser Diversity in Cooperative Slotted Aloha. IEEE Transactions on Wireless Communications, 2008, 7, 4215-4225.	6.1	18
24	A New Paradigm for Spectrum Sharing Between Cellular Wireless Communications and Radio Astronomy Systems. IEEE Transactions on Communications, 2017, 65, 3985-3999.	4.9	18
25	An average Cramer-Rao bound for frequency offset estimation in frequency-selective fading channels. IEEE Transactions on Wireless Communications, 2010, 9, 871-875.	6.1	17
26	Scattered Pilots-Based Frequency Synchronization for Multiuser OFDM Systems With Large Number of Receive Antennas. IEEE Transactions on Communications, 2017, 65, 1733-1745.	4.9	16
27	Non-Orthogonal Pilot Designs for Joint Channel Estimation and Collision Detection in Grant-Free Access Systems. IEEE Access, 2018, 6, 55186-55201.	2.6	16
28	Precompensation and System Parameters Estimation for Low-Cost Nonlinear Tera-Hertz Transmitters in the Presence of I/Q Imbalance. IEEE Access, 2018, 6, 51814-51833.	2.6	15
29	Impacts of Large-Scale NGSO Satellites: RFI and A New Paradigm for Satellite Communications and Radio Astronomy Systems. IEEE Transactions on Communications, 2019, 67, 7840-7855.	4.9	15
30	Pilot Designs for Channel Estimation of OFDM Systems with Frequency-Dependent I/Q Imbalances. , 2009, , .		14
31	A new ranging method for OFDMA systems. , 2005, , .		13
32	A new multicarrier transceiver based on the discrete cosine transform. , 0, , .		13
33	Simplified Frequency Offset Estimation for MIMO OFDM Systems. IEEE Transactions on Vehicular Technology, 2008, 57, 3246-3251.	3.9	13
34	Some issues of complexity and training symbol design for OFDM frequency offset estimation methods based on BLUE principle. , 0, , .		12
35	Interference-Controlled Transmission Schemes for Cognitive Radio in Frequency-Selective Time-Varying Fading Channels. IEEE Transactions on Wireless Communications, 2012, 11, 142-153.	6.1	12
36	In-Phase and Quadrature Timing Mismatch Estimation and Compensation in Millimeter-Wave Communication Systems. IEEE Transactions on Wireless Communications, 2017, 16, 4317-4331.	6.1	12

#	ARTICLE	IF	CITATIONS
37	New Fractional Frequency Reuse Patterns for Multi-Cell Systems in Time-Varying Channels. IEEE Wireless Communications Letters, 2015, 4, 253-256.	3.2	11
38	Optimal Pilot Power Allocation for OFDM Systems with Transmitter and Receiver IQ Imbalances. , 2009, , ,		10
39	Exact Signal Model and New Carrier Frequency Offset Compensation Scheme for OFDM. IEEE Transactions on Wireless Communications, 2012, 11, 550-555.	6.1	10
40	Network Dimensioning, QoE Maximization, and Power Control for Multi-Tier Machine-Type Communications. IEEE Transactions on Communications, 2019, 67, 859-872.	4.9	10
41	Improved Approximate Maximum-Likelihood Receiver for Differential Space-Time Block Codes Over Rayleigh-Fading Channels. IEEE Transactions on Vehicular Technology, 2004, 53, 461-468.	3.9	9
42	Training signal design for MIMO OFDM channel estimation in the presence of frequency offsets. , 0, , ,		9
43	Spectrum sharing between WiFi and radio astronomy. , 2016, , ,		9
44	Linear prediction receiver for differential space-time block codes with spatial correlation. IEEE Communications Letters, 2003, 7, 543-545.	2.5	8
45	Consistent Pilot Designs for Frequency Offset Estimation in MIMO OFDM Systems. , 2007, , ,		8
46	PIC-based iterative SDR detector for OFDM systems in doubly-selective fading channels. IEEE Transactions on Wireless Communications, 2010, 9, 86-91.	6.1	8
47	An Adaptive MIMO-OFDMA Relay System. IEEE Wireless Communications Letters, 2012, 1, 496-499.	3.2	8
48	Non-Linear Interference Cancellation for Radio Astronomy Receivers with Strong RFI. , 2017, , ,		8
49	Impact of Nonlinear RFI and Countermeasure for Radio Astronomy Receivers. IEEE Access, 2018, 6, 11424-11438.	2.6	8
50	Performance Analysis of Large-Scale NGSO Satellite-Based Radio Astronomy Systems. IEEE Access, 2021, 9, 93954-93966.	2.6	8
51	Pilot Designs for Consistent Frequency Offset Estimation in OFDM Systems. , 2006, , ,		7
52	WLC32-3: A Distributed Opportunistic Access Scheme for OFDMA Systems. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , ,	0.0	7
53	Modified data-pilot-multiplexed schemes for OFDM systems. IEEE Transactions on Wireless Communications, 2007, 6, 730-737.	6.1	7
54	Robust and consistent pilot designs for frequency offset estimation in MIMO OFDM systems. IEEE Transactions on Communications, 2008, 56, 1737-1747.	4.9	7

#	ARTICLE	IF	CITATIONS
55	An Efficient Diversity Exploitation in Multiuser Time-Varying Frequency-Selective Fading Channels. IEEE Transactions on Communications, 2011, 59, 2172-2184.	4.9	7
56	Intra-Frame Transmission Adaptation for Fast Fading MIMO-OFDMA Systems. IEEE Transactions on Communications, 2011, 59, 2585-2594.	4.9	7
57	Ergodic Capacity Analysis of MISO/SIMO-OFDM With Arbitrary Antenna and Channel Tap Correlation. IEEE Transactions on Vehicular Technology, 2013, 62, 3062-3068.	3.9	7
58	A combined timing and frequency synchronization and channel estimation for OFDM. , 2004, , .		6
59	Optimal periodic training signal for frequency offset estimation in frequency selective fading channels. , 2004, , .		6
60	CTH01-4: Two Novel Iterative Joint Frequency-Offset and Channel Estimation Methods for OFDMA Uplink. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	6
61	A robust asynchronous multiuser STBC-OFDM transmission scheme for frequency-selective channels. IEEE Transactions on Wireless Communications, 2008, 7, 3725-3731.	6.1	6
62	Performance Analysis of Distributed Radio Telescopes under Shared Spectrum Access Paradigm. , 2017, , .		6
63	A New Paradigm for Non-Geostationary Satellite Communications and Radio Astronomy System. , 2018, , .		6
64	Coverage Probability Analysis Under Clustered Ambient Backscatter Nodes. IEEE Wireless Communications Letters, 2019, 8, 1713-1717.	3.2	6
65	Diversity exploiting MIMO-OFDMA ranging. , 2007, , .		5
66	Digital Baseband Compensation of I/Q Imbalance in Mobile OFDM. , 2008, , .		5
67	A Spectrum Sharing Paradigm for GSO Satellite System and Radio Astronomy System. IEEE Access, 2019, 7, 93952-93973.	2.6	5
68	Channel estimation assisted improved timing offset estimation. , 2004, , .		4
69	Complexity reduction of matrix manipulation for multi-user STBC-MIMO decoding. , 2007, , .		4
70	An Investigation into Initial Ranging Method for Mobile OFDMA Systems. , 2008, , .		4
71	SFBC design tradeoffs for mobile SC-FDMA with application to LTE-advanced. , 2010, , .		4
72	Performance Analysis of Distributed Auxiliary Radio Telescopes Under Shared Spectrum Access Paradigm and Cooling Power Constraint. IEEE Access, 2017, 5, 21709-21722.	2.6	4

#	ARTICLE	IF	CITATIONS
73	Improved maximum likelihood frequency estimation based on likelihood metric design. , 0, , .		3
74	Robust Pilot Design for Consistent Carrier Frequency Offset Estimation. , 2006, , .		3
75	Frequency Offset Estimation for MB-OFDM-Based UWB Systems in Time-Variant Channels. , 2007, , .		3
76	An Opportunistic STBC-OFDM Scheme with Reduced PAR in the Presence of Frequency Offset. , 2007, , .		3
77	A Reduced Overhead OFDM Relay System with Clusterwise TMRC Beamforming. IEEE Communications Letters, 2012, 16, 1913-1916.	2.5	3
78	RFI Cancellation for an Array Radio Astronomy System With Receiver Nonlinearity. IEEE Access, 2019, 7, 9164-9180.	2.6	3
79	Compressed Sensing Based Non-Orthogonal Pilot Designs for Multi-Antenna Grant-Free Access Systems. IEEE Open Journal of the Communications Society, 2020, 1, 242-262.	4.4	3
80	Algorithm and Performance Analysis for Frame Detection Based on Matched Filtering. IEEE Access, 2020, 8, 40559-40572.	2.6	3
81	An Exact Error Probability Analysis of OFDM Systems with Frequency Offset. , 2006, , .		2
82	Training Aided Frequency Offset Estimation for MIMO OFDM Systems via Polynomial Rooting. IEEE Vehicular Technology Conference, 2008, , .	0.2	2
83	On modeling utility for cooperative slotted Aloha games. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	2
84	Digital Baseband Compensation for Mobile SFBC-OFDM Systems with Receiver I/Q Imbalance. , 2008, , .		2
85	Digital baseband compensation of joint TX/RX frequency-dependent I/Q imbalance in mobile MIMO-OFDM transceivers. , 2009, , .		2
86	Network Dimensioning and Radio Resource Management for Multi-Tier Machine-Type Communications. , 2017, , .		2
87	Low-Complexity Algorithm for Radio Astronomy Observation Data Transport in an Integrated NGSO Satellite Communication and Radio Astronomy System. IEEE Open Journal of the Communications Society, 2021, 2, 2342-2356.	4.4	2
88	Robust asynchronous STBC transceiver for multiple-access frequency-selective channels. , 2007, , .		1
89	On the performance comparison of VSF-OFCDMA and OFDMA. , 2008, , .		1
90	Pilot Designs with Guard Bands for Channel Estimation of MIMO OFDM Systems with Frequency-Dependent I/Q Imbalances. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
91	Spatial, spectral and temporal adaptation for fast fading MIMO-OFDMA systems. , 2011, , .		1
92	Adaptive channel estimation for OFDM systems in time-varying non-stationary wireless channels. , 2007, , .		0
93	Comparison of time and frequency domain single and double differential schemes for OFDM UWB systems. , 2007, , .		0
94	Time hopping direct-sequence CDMA for asynchronous transmitter-only sensors. , 2008, , .		0
95	Probability of Error Analysis of 4-QAM OFDM Systems with Random Residual Frequency Offset. , 2008, , .		0
96	A Reduced-PAR Opportunistic STBC Scheme for Frequency-Selective Channels in the Presence of Frequency Offset. IEEE Transactions on Wireless Communications, 2008, 7, 2871-2876.	6.1	0
97	Effect of I/Q Imbalance on Pilot Design for MIMO OFDM Channel Estimation. , 2009, , .		0
98	Pilot-data power allocation for OFDM systems with amplify and forward relays. , 2014, , .		0
99	Novel Hybrid Precoding Designs for mmWave Multiuser Systems with Partial Channel Knowledge. , 2017, , .		0
100	An open-loop 28GHz 16-phase clock generator in 28nm CMOS. , 2017, , .		0
101	Comments and Corrections to "A New Paradigm for Spectrum Sharing Between Cellular Wireless Communications and Radio Astronomy Systems" [Sep 17 3985-3999]. IEEE Transactions on Communications, 2018, 66, 2312-2312.	4.9	0
102	Modeling Ground-Air Wireless Connectivity: Continuous Connection Probability Analysis. IEEE Transactions on Wireless Communications, 2021, 20, 3611-3627.	6.1	0