K Giridhar

List of Publications by Citations

78 papers	583 citations	11 h-index	20 g-index
114 ext. papers	825 ext. citations	3.9 avg, IF	3.63 L-index

#	Paper	IF	Citations
78	Improving channel estimation in OFDM systems for sparse multipath channels. *IEEE Signal Processing Letters*, **2005**, 12, 52-55	3.2	72
77	. *IEEE Transactions on Communications*, **1994**, 42, 1017-1032	6.9	49
76	Nonlinear techniques for the joint estimation of cochannel signals. *IEEE Transactions on Communications*, **1997**, 45, 473-484	6.9	48
75	Single Snapshot Spatial Smoothing With Improved Effective Array Aperture. *IEEE Signal Processing Letters*, **2009**, 16, 505-508	3.2	32
74	Bayesian/decision-feedback algorithm for blind adaptive equalization. *Optical Engineering*, **1992**, 31, 1211	1.1	24
73	Tensor-Based Spatial Smoothing (TB-SS) Using Multiple Snapshots. *IEEE Transactions on Signal Processing*, **2010**, 58, 2715-2728	4.8	19
72	Parametric Channel Estimation for Pseudo-Random Tile-Allocation in Uplink OFDMA. *IEEE Transactions on Signal Processing*, **2007**, 55, 5370-5381	4.8	15
71	Resource Allocation for D2D Links in the FFR and SFR Aided Cellular Downlink. *IEEE Transactions on Communications*, **2016**, 1-1	6.9	15
70	Advances in base- and mobile-station aided cooperative wireless communications: An overview. *IEEE Vehicular Technology Magazine*, **2013**, 8, 57-69	9.9	14
69	Exploiting hopping pilots for parametric channel estimation in OFDM systems. *IEEE Signal Processing Letters*, **2005**, 12, 737-740	3.2	14
68	. *IEEE Transactions on Vehicular Technology*, **2015**, 64, 3494-3504	6.8	11
67	Error Vector Magnitude Analysis of Fading SIMO Channels Relying on MRC Reception. *IEEE Transactions on Communications*, **2016**, 64, 1786-1797	6.9	11
66	. *IEEE Transactions on Signal Processing*, **2007**, 55, 1659-1672	4.8	11
65	Exploiting multipath diversity in multiple antenna OFDM systems with spatially correlated channels. *IEEE Transactions on Vehicular Technology*, **2005**, 54, 1372-1378	6.8	11
64	Coverage Probability and Achievable Rate Analysis of FFR-Aided Multi-User OFDM-Based MIMO and SIMO Systems. *IEEE Transactions on Communications*, **2015**, 63, 3869-3881	6.9	10
63	An Iterative DFE Receiver for MIMO SC-FDMA Uplink. *IEEE Communications Letters*, **2014**, 18, 2141-2144	3.8	10
62	Closed-loop transmit diversity schemes for five and six transmit antennas. *IEEE Signal Processing Letters*, **2005**, 12, 130-133	3.2	10

61	Impact of Sub-Band Correlation on SFR and Comparison of FFR and SFR. *IEEE Transactions on Wireless Communications*, **2016**, 15, 5156-5166	9.6	9
60	A Practical Compressed Sensing Approach for Channel Estimation in OFDM Systems. *IEEE Communications Letters*, **2015**, 19, 2146-2149	3.8	8
59	Co-ordinate interleaved spatial multiplexing with channel state information. *IEEE Transactions on Wireless Communications*, **2009**, 8, 2755-2762	9.6	8
58	Interference Mitigation in Turbo-Coded OFDM Systems Using Robust LLRs **2008**,		8
57	Biased estimation of Rician K factor **2007**,		8
56	Robust timing synchronization for OFDM based wireless LAN system		8
55	An efficient suboptimum detector based on linear prediction in Rayleigh flat-fading channels. *Signal Processing*, **2001**, 81, 819-828	4.4	8
54	. *IEEE Transactions on Vehicular Technology*, **2009**, 58, 4342-4352	6.8	7
53	On channel orthogonalization using space-time block coding with partial feedback. *IEEE Transactions on Communications*, **2006**, 54, 1121-1130	6.9	7
52	OFDM-Aided Differential Space‐Time Shift Keying Using Iterative Soft Multiple-Symbol Differential Sphere Decoding. *IEEE Transactions on Vehicular Technology*, **2014**, 63, 4102-4108	6.8	6
51	SPC02-6: Extreme Value Theory based OFDM Channel Estimation in the Presence of Narrowband Interference. *IEEE Global Telecommunications Conference (GLOBECOM)*, **2006**,		6
50	Performance of transmit diversity scheme with quantized phase-only feedback		6
49	Error Vector Magnitude Analysis in Generalized Fading With Co-Channel Interference. *IEEE Transactions on Communications*, **2018**, 66, 345-354	6.9	5
48	Lower Order Modulation Aided BER Reduction in OFDM With Index Modulation. *IEEE Communications Letters*, **2018**, 22, 1596-1599	3.8	5
47	Block Modulation for Interference Management in Heterogeneous Wireless Networks. *IEEE Journal on Selected Topics in Signal Processing*, **2012**, 6, 241-256	7.5	5
46	Narrowband Interference Mitigation in Turbo-Coded OFDM Systems **2007**,		5
45	An iterative MIMO-DFE receiver with MLD for uplink SC-FDMA **2013**,		4
44	Robust initial LLRs for iterative decoders in presence of non-Gaussian noise **2009**,		4

43	Orthogonal decode and forward relaying with improved spectral efficiency. *IEEE Communications Letters*, **2009**, 13, 109-111	3.8	4
42	Interference Mitigation in Turbo-Coded OFDM Systems using Robust Statistics. *IEEE Vehicular Technology Conference*, **2008**,	0.1	4
41	Pre-processed space-time trellis codes with one-bit feedback. *IEEE Communications Letters*, **2005**, 9, 703-705	3.8	4
40	Exploiting time diversity in spatially correlated channels for OFDM systems		4
39	. *IEEE Transactions on Vehicular Technology*, **2005**, 54, 1352-1360	6.8	4
38			4
37	Single Snapshot R-D Unitary Tensor-ESPRIT Using an Augmentation of the Tensor Order **2009**,		3
36	Extreme Value Theory based Decision Directed OFDM Channel Tracking **2006**,		3
35	Robust Statistics Based Expectation-Maximization Algorithm for Channel Tracking in OFDM Systems **2007**,		3
34	On OFDM systems with spatially correlated antennas in low multipath diversity situations. *IEEE Signal Processing Letters*, **2004**, 11, 945-947	3.2	3
33	Exploiting multipath diversity using space-frequency linear dispersion codes in MIMO-OFDM systems		3
32	Distance-optimized space-time trellis codes		3
31	Adaptive MAPSD algorithms for symbol and timing recovery of mobile radio TDMA signals. *IEEE Transactions on Communications*, **1996**, 44, 976-987	6.9	3
30	Predicting the Affordable Rate in Interference-Limited Cellular Systems Using Higher-Order Markov Models. *IEEE Access*, **2016**, 4, 4730-4748	3.5	3
29	Enhancement in Spectral Efficiency using Transmit-side Channel Shortener for MISO-OFDM Systems. *IEEE Signal Processing Letters*, **2014**, 21, 712-716	3.2	2
28	Precoder Design for K-User Interference Channels with Finite Alphabet Signals. *IEEE Communications Letters*, **2013**, 17, 681-684	3.8	2
27	Null-space Exploiting channel shortening prefilter (NE-CSP) for MIMO-OFDM **2010**,		2
26	Interference Mitigation Using Conjugate Data Repetition **2009**,		2

25	**2007**,		2
24	MSE Analysis of the Iteratively Reweighted Least Squares Algorithm when Applied to M Estimators **2007**,		2
23	Open-Loop and Closed-Loop Transmit Diversity Techniques Overview and New Results. *IETE Journal of Research*, **2005**, 51, 223-234	0.9	2
22	Leverage Weighted Decision Directed Channel Tracking for OFDM Systems **2006**,		2
21	Improving channel estimation in OFDM systems sparse multipath channels		2
20	Noncoherent detection of multilevel signals in frequency nonselective fading channels. *Signal Processing*, **1999**, 78, 159-176	4.4	2
19	New results on perfect channel shortening schemes for MIMO-OFDM systems. *Transactions on Emerging Telecommunications Technologies*, **2015**, 26, 1031-1038	1.9	1
18	Modified CI and Modulation Order Replacement for Enhancing OFDM-IM Performance. *IEEE Journal on Selected Topics in Signal Processing*, **2019**, 13, 1286-1300	7.5	1
17	Precoder design for Fractional Interference Alignment **2013**,		1
16	DSP-based noncoherent detectors for multilevel signals in flat fading channels		1
15	Robust Channel Tracking in Fast Fading MIMO channels **2008**,		1
14	Efficient Synchronization and Frequency Tracking for Cellular Reuse-I OFDMA Systems. *IETE Journal of Research*, **2007**, 53, 533-542	0.9	1
13	Co-Ordinate Interleaved Spatial Multiplexing with Channel Knowledge at Transmitter and Receiver		1
12	Introducing space sampling for OFDM systems with multipath diversity		1
11	On Usefulness of Multipath Diversity for Multiple Antenna OFDM Systems. *IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)*, **2004**, 21, 317-324	1.5	1
10	Studying the Effect of Delay Diversity on a DS-CDMA Downlink. *IETE Journal of Research*, **2005**, 51, 49-60	0.9	1
9	DSP-based digital FM demodulation for GMSK signals. *Sadhana - Academy Proceedings in Engineering Sciences*, **1996**, 21, 101-112	1	1
8	Index and Constellation Order Lowering for OFDM With Index Modulation. *IEEE Communications Letters*, **2020**, 24, 1129-1132	3.8	0

7	On the Dependence Between User Detection and Timing Advancement in LTE Ranging Channels. *IEEE Communications Letters*, **2016**, 1-1	3.8
6	Novel Frequency and Time Domain Method for Efficient Uplink Ranging in Cellular OFDMA. *IETE Journal of Research*, **2007**, 53, 543-550	0.9
5	Convergence and India The Tenet Group Perspective. *IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)*, **2006**, 23, 221-230	1.5
4	Spatial Multiplexing for MIMO Wireless Channels Overview and New Results. *IETE Journal of Research*, **2003**, 49, 345-351	0.9
3	Wireless in Local Loop Some Fundamentals. *IETE Journal of Research*, **2000**, 46, 421-433	0.9
2	Blind Adaptive MAP Symbol Detection and a TDMA Digital Mobile Radio Application. *Control and Dynamic Systems*, **1996**, 339-405	
1	Power Efficient Communication for Joint Detection Receivers in Rician Channels. *International Journal of Interdisciplinary Telecommunications and Networking*, **2016**, 8, 1-11	0.4