

# K Giridhar

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Index and Constellation Order Lowering for OFDM With Index Modulation. <i>IEEE Communications Letters</i> , <b>2020</b> , 24, 1129-1132	3.8	0
77	Modified CI and Modulation Order Replacement for Enhancing OFDM-IM Performance. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2019</b> , 13, 1286-1300	7.5	1
76	Error Vector Magnitude Analysis in Generalized Fading With Co-Channel Interference. <i>IEEE Transactions on Communications</i> , <b>2018</b> , 66, 345-354	6.9	5
75	Lower Order Modulation Aided BER Reduction in OFDM With Index Modulation. <i>IEEE Communications Letters</i> , <b>2018</b> , 22, 1596-1599	3.8	5
74	On the Dependence Between User Detection and Timing Advancement in LTE Ranging Channels. <i>IEEE Communications Letters</i> , <b>2016</b> , 1-1	3.8	
73	Error Vector Magnitude Analysis of Fading SIMO Channels Relying on MRC Reception. <i>IEEE Transactions on Communications</i> , <b>2016</b> , 64, 1786-1797	6.9	11
72	Power Efficient Communication for Joint Detection Receivers in Rician Channels. <i>International Journal of Interdisciplinary Telecommunications and Networking</i> , <b>2016</b> , 8, 1-11	0.4	
71	Predicting the Affordable Rate in Interference-Limited Cellular Systems Using Higher-Order Markov Models. <i>IEEE Access</i> , <b>2016</b> , 4, 4730-4748	3.5	3
70	Impact of Sub-Band Correlation on SFR and Comparison of FFR and SFR. <i>IEEE Transactions on Wireless Communications</i> , <b>2016</b> , 15, 5156-5166	9.6	9
69	Resource Allocation for D2D Links in the FFR and SFR Aided Cellular Downlink. <i>IEEE Transactions on Communications</i> , <b>2016</b> , 1-1	6.9	15
68	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2015</b> , 64, 3494-3504	6.8	11
67	Coverage Probability and Achievable Rate Analysis of FFR-Aided Multi-User OFDM-Based MIMO and SIMO Systems. <i>IEEE Transactions on Communications</i> , <b>2015</b> , 63, 3869-3881	6.9	10
66	A Practical Compressed Sensing Approach for Channel Estimation in OFDM Systems. <i>IEEE Communications Letters</i> , <b>2015</b> , 19, 2146-2149	3.8	8
65	New results on perfect channel shortening schemes for MIMO-OFDM systems. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2015</b> , 26, 1031-1038	1.9	1
64	OFDM-Aided Differential Space-Time Shift Keying Using Iterative Soft Multiple-Symbol Differential Sphere Decoding. <i>IEEE Transactions on Vehicular Technology</i> , <b>2014</b> , 63, 4102-4108	6.8	6
63	Enhancement in Spectral Efficiency using Transmit-side Channel Shortener for MISO-OFDM Systems. <i>IEEE Signal Processing Letters</i> , <b>2014</b> , 21, 712-716	3.2	2
62	An Iterative DFE Receiver for MIMO SC-FDMA Uplink. <i>IEEE Communications Letters</i> , <b>2014</b> , 18, 2141-2144	3.8	10

61	Precoder Design for K-User Interference Channels with Finite Alphabet Signals. <i>IEEE Communications Letters</i> , <b>2013</b> , 17, 681-684	3.8	2
60	Precoder design for Fractional Interference Alignment <b>2013</b> ,		1
59	An iterative MIMO-DFE receiver with MLD for uplink SC-FDMA <b>2013</b> ,		4
58	Advances in base- and mobile-station aided cooperative wireless communications: An overview. <i>IEEE Vehicular Technology Magazine</i> , <b>2013</b> , 8, 57-69	9.9	14
57	Block Modulation for Interference Management in Heterogeneous Wireless Networks. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2012</b> , 6, 241-256	7.5	5
56	Tensor-Based Spatial Smoothing (TB-SS) Using Multiple Snapshots. <i>IEEE Transactions on Signal Processing</i> , <b>2010</b> , 58, 2715-2728	4.8	19
55	Null-space Exploiting channel shortening prefilter (NE-CSP) for MIMO-OFDM <b>2010</b> ,		2
54	Single Snapshot R-D Unitary Tensor-ESPRIT Using an Augmentation of the Tensor Order <b>2009</b> ,		3
53	Interference Mitigation Using Conjugate Data Repetition <b>2009</b> ,		2
52	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2009</b> , 58, 4342-4352	6.8	7
51	Single Snapshot Spatial Smoothing With Improved Effective Array Aperture. <i>IEEE Signal Processing Letters</i> , <b>2009</b> , 16, 505-508	3.2	32
50	Robust initial LLRs for iterative decoders in presence of non-Gaussian noise <b>2009</b> ,		4
49	Co-ordinate interleaved spatial multiplexing with channel state information. <i>IEEE Transactions on Wireless Communications</i> , <b>2009</b> , 8, 2755-2762	9.6	8
48	Orthogonal decode and forward relaying with improved spectral efficiency. <i>IEEE Communications Letters</i> , <b>2009</b> , 13, 109-111	3.8	4
47	Interference Mitigation in Turbo-Coded OFDM Systems using Robust Statistics. <i>IEEE Vehicular Technology Conference</i> , <b>2008</b> ,	0.1	4
46	Robust Channel Tracking in Fast Fading MIMO channels <b>2008</b> ,		1
45	Interference Mitigation in Turbo-Coded OFDM Systems Using Robust LLRs <b>2008</b> ,		8
44	<b>2007</b> ,		2

43	Biased estimation of Rician K factor <b>2007</b> ,		8
42	Efficient Synchronization and Frequency Tracking for Cellular Reuse-I OFDMA Systems. <i>IETE Journal of Research</i> , <b>2007</b> , 53, 533-542	0.9	1
41	Parametric Channel Estimation for Pseudo-Random Tile-Allocation in Uplink OFDMA. <i>IEEE Transactions on Signal Processing</i> , <b>2007</b> , 55, 5370-5381	4.8	15
40	MSE Analysis of the Iteratively Reweighted Least Squares Algorithm when Applied to M Estimators <b>2007</b> ,		2
39	Robust Statistics Based Expectation-Maximization Algorithm for Channel Tracking in OFDM Systems <b>2007</b> ,		3
38	Novel Frequency and Time Domain Method for Efficient Uplink Ranging in Cellular OFDMA. <i>IETE Journal of Research</i> , <b>2007</b> , 53, 543-550	0.9	
37	. <i>IEEE Transactions on Signal Processing</i> , <b>2007</b> , 55, 1659-1672	4.8	11
36	Narrowband Interference Mitigation in Turbo-Coded OFDM Systems <b>2007</b> ,		5
35	On channel orthogonalization using space-time block coding with partial feedback. <i>IEEE Transactions on Communications</i> , <b>2006</b> , 54, 1121-1130	6.9	7
34	Extreme Value Theory based Decision Directed OFDM Channel Tracking <b>2006</b> ,		3
33	SPC02-6: Extreme Value Theory based OFDM Channel Estimation in the Presence of Narrowband Interference. <i>IEEE Global Telecommunications Conference (GLOBECOM)</i> , <b>2006</b> ,		6
32	Leverage Weighted Decision Directed Channel Tracking for OFDM Systems <b>2006</b> ,		2
31	Convergence and IndiaThe Tenet Group Perspective. <i>IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)</i> , <b>2006</b> , 23, 221-230	1.5	
30	Open-Loop and Closed-Loop Transmit Diversity TechniquesOverview and New Results. <i>IETE Journal of Research</i> , <b>2005</b> , 51, 223-234	0.9	2
29	Closed-loop transmit diversity schemes for five and six transmit antennas. <i>IEEE Signal Processing Letters</i> , <b>2005</b> , 12, 130-133	3.2	10
28	Pre-processed space-time trellis codes with one-bit feedback. <i>IEEE Communications Letters</i> , <b>2005</b> , 9, 703-705	3.85	4
27	Exploiting hopping pilots for parametric channel estimation in OFDM systems. <i>IEEE Signal Processing Letters</i> , <b>2005</b> , 12, 737-740	3.2	14
26	Improving channel estimation in OFDM systems for sparse multipath channels. <i>IEEE Signal Processing Letters</i> , <b>2005</b> , 12, 52-55	3.2	72

25	Studying the Effect of Delay Diversity on a DS-CDMA Downlink. <i>IETE Journal of Research</i> , <b>2005</b> , 51, 49-60.	0.9	1
24	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2005</b> , 54, 1352-1360	6.8	4
23	Exploiting multipath diversity in multiple antenna OFDM systems with spatially correlated channels. <i>IEEE Transactions on Vehicular Technology</i> , <b>2005</b> , 54, 1372-1378	6.8	11
22	On OFDM systems with spatially correlated antennas in low multipath diversity situations. <i>IEEE Signal Processing Letters</i> , <b>2004</b> , 11, 945-947	3.2	3
21	On Usefulness of Multipath Diversity for Multiple Antenna OFDM Systems. <i>IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)</i> , <b>2004</b> , 21, 317-324	1.5	1
20	Spatial Multiplexing for MIMO Wireless Channels Overview and New Results. <i>IETE Journal of Research</i> , <b>2003</b> , 49, 345-351	0.9	
19	An efficient suboptimum detector based on linear prediction in Rayleigh flat-fading channels. <i>Signal Processing</i> , <b>2001</b> , 81, 819-828	4.4	8
18	Wireless in Local Loop Some Fundamentals. <i>IETE Journal of Research</i> , <b>2000</b> , 46, 421-433	0.9	
17	Noncoherent detection of multilevel signals in frequency nonselective fading channels. <i>Signal Processing</i> , <b>1999</b> , 78, 159-176	4.4	2
16	Nonlinear techniques for the joint estimation of cochannel signals. <i>IEEE Transactions on Communications</i> , <b>1997</b> , 45, 473-484	6.9	48
15	Blind Adaptive MAP Symbol Detection and a TDMA Digital Mobile Radio Application. <i>Control and Dynamic Systems</i> , <b>1996</b> , 339-405		
14	DSP-based digital FM demodulation for GMSK signals. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , <b>1996</b> , 21, 101-112	1	1
13	Adaptive MAPSD algorithms for symbol and timing recovery of mobile radio TDMA signals. <i>IEEE Transactions on Communications</i> , <b>1996</b> , 44, 976-987	6.9	3
12	. <i>IEEE Transactions on Communications</i> , <b>1994</b> , 42, 1017-1032	6.9	49
11	Bayesian/decision-feedback algorithm for blind adaptive equalization. <i>Optical Engineering</i> , <b>1992</b> , 31, 1211	1.1	24
10	DSP-based noncoherent detectors for multilevel signals in flat fading channels		1
9	Co-Ordinate Interleaved Spatial Multiplexing with Channel Knowledge at Transmitter and Receiver		1
8	Performance of transmit diversity scheme with quantized phase-only feedback		6

7	Introducing space sampling for OFDM systems with multipath diversity	1
6	Robust timing synchronization for OFDM based wireless LAN system	8
5	Exploiting time diversity in spatially correlated channels for OFDM systems	4
4	Improving channel estimation in OFDM systems sparse multipath channels	2
3	Exploiting multipath diversity using space-frequency linear dispersion codes in MIMO-OFDM systems	3
2	Distance-optimized space-time trellis codes	3
1		4