

# Faouzi Bellili

## List of Publications by Year in descending order

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22  
papers

353  
citations

840776

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794594

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all docs

22  
docs citations

22  
times ranked

344  
citing authors

#	ARTICLE	IF	CITATIONS
1	Generalized Approximate Message Passing for Massive MIMO mmWave Channel Estimation With Laplacian Prior. IEEE Transactions on Communications, 2019, 67, 3205-3219.	7.8	48
2	Massive Unsourced Random Access Based on Uncoupled Compressive Sensing: Another Blessing of Massive MIMO. IEEE Journal on Selected Areas in Communications, 2021, 39, 820-834.	14.0	45
3	A Non-Data-Aided Maximum Likelihood Time Delay Estimator Using Importance Sampling. IEEE Transactions on Signal Processing, 2011, 59, 4505-4515.	5.3	34
4	Maximum Likelihood SNR Estimation of Linearly-Modulated Signals Over Time-Varying Flat-Fading SIMO Channels. IEEE Transactions on Signal Processing, 2015, 63, 441-456.	5.3	31
5	Maximum Likelihood Time Delay Estimation From Single- and Multi-Carrier DSSS Multipath MIMO Transmissions for Future 5G Networks. IEEE Transactions on Wireless Communications, 2017, 16, 4851-4865.	9.2	28
6	Closed-Form CRLBs for SNR Estimation From Turbo-Coded BPSK-, MSK-, and Square-QAM-Modulated Signals. IEEE Transactions on Signal Processing, 2014, 62, 4018-4033.	5.3	27
7	Closed-Form Expressions for the Exact Cram��r-Rao Bounds of Timing Recovery Estimators From BPSK, MSK and Square-QAM Transmissions. IEEE Transactions on Signal Processing, 2011, 59, 2474-2484.	5.3	24
8	Joint Active and Passive Beamforming Design for IRS-Assisted Multi-User MIMO Systems: A VAMP-Based Approach. IEEE Transactions on Communications, 2021, 69, 6734-6749.	7.8	23
9	Maximum Likelihood Joint Angle and Delay Estimation from Multipath and Multicarrier Transmissions with Application to Indoor Localization over IEEE 802.11ac Radio. IEEE Transactions on Mobile Computing, 2019, 18, 1116-1132.	5.8	15
10	Cramer-Rao Lower Bounds of DOA Estimates from Square QAM-Modulated Signals. IEEE Transactions on Communications, 2011, 59, 1675-1685.	7.8	13
11	A Low-Cost and Robust Maximum Likelihood Joint Estimator for the Doppler Spread and CFO Parameters Over Flat-Fading Rayleigh Channels. IEEE Transactions on Communications, 2017, , 1-1.	7.8	11
12	Multi-Node ML Time and Frequency Synchronization for Distributed MIMO-Relay Beamforming Over Time-Varying Flat-Fading Channels. IEEE Transactions on Communications, 2019, 67, 2702-2715.	7.8	9
13	Code-Aided DOA Estimation From Turbo-Coded QAM Transmissions: Analytical CRLBs and Maximum Likelihood Estimator. IEEE Transactions on Wireless Communications, 2017, 16, 2850-2865.	9.2	8
14	Angular Parameters Estimation of Multiple Incoherently Distributed Sources Generating Noncircular Signals. IEEE Access, 2019, 7, 38451-38468.	4.2	8
15	Time Synchronization of Turbo-Coded Square-QAM-Modulated Transmissions: Code-Aided ML Estimator and Closed-Form Cram��r-Rao Lower Bounds. IEEE Transactions on Vehicular Technology, 2017, 66, 10776-10792.	6.3	7
16	Achievable Rate With Antenna Size Constraint: Shannon Meets Chu and Bode. IEEE Transactions on Communications, 2022, 70, 2010-2024.	7.8	5
17	Low-complexity DOA estimation from short data snapshots for ULA systems using the annihilating filter technique. Eurasip Journal on Advances in Signal Processing, 2017, 2017, .	1.7	4
18	Massive MIMO mmWave Channel Estimation Using Approximate Message Passing and Laplacian Prior. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
19	Modulating Intelligent Surfaces for Multiuser MIMO Systems: Beamforming and Modulation Design. IEEE Transactions on Communications, 2022, 70, 3234-3249.	7.8	4
20	ML-Type EM-Based Estimation of Fast Time-Varying Frequency-Selective Channels Over SIMO OFDM Transmissions. IEEE Access, 2019, 7, 148265-148277.	4.2	2
21	ML EM Estimation of Fast Time-Varying OFDM-Type Channels. , 2019, , .		2
22	Low-cost code-aided ML timing recovery from turbo-coded QAM transmissions. , 2017, , .		1