Faouzi Bellili

List of Publications by Year
in descending order

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22	353	840776 11	794594 19
papers	citations	h-index	g-index

22	22	22	344
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Achievable Rate With Antenna Size Constraint: Shannon Meets Chu and Bode. IEEE Transactions on Communications, 2022, 70, 2010-2024.	7.8	5
2	Modulating Intelligent Surfaces for Multiuser MIMO Systems: Beamforming and Modulation Design. IEEE Transactions on Communications, 2022, 70, 3234-3249.	7.8	4
3	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
4	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
5	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
6	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
7	ML EM Estimation of Fast Time-Varying OFDM-Type Channels. , 2019, , .		2
8	Angular Parameters Estimation of Multiple Incoherently Distributed Sources Generating Noncircular Signals. IEEE Access, 2019, 7, 38451-38468.	4.2	8
9	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
10	Generalized Approximate Message Passing for Massive MIMO mmWave Channel Estimation With Laplacian Prior. IEEE Transactions on Communications, 2019, 67, 3205-3219.	7.8	48
11	Massive MIMO mmWave Channel Estimation Using Approximate Message Passing and Laplacian Prior. , 2018, , .		4
12	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
13	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
14	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
15	Time Synchronization of Turbo-Coded Square-QAM-Modulated Transmissions: Code-Aided ML Estimator and Closed-Form CramÃ©râ€“Rao Lower Bounds. IEEE Transactions on Vehicular Technology, 2017, 66, 10776-10792.	6.3	7
16	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
17	Low-cost code-aided ML timing recovery from turbo-coded QAM transmissions. , 2017, , .		1
18	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

#	Article	IF	Citations
19	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
20	Closed-Form Expressions for the Exact CramÃ©râ€“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
21	Cramer-Rao Lower Bounds of DOA Estimates from Square QAM-Modulated Signals. IEEE Transactions on Communications, 2011, 59, 1675-1685.	7.8	13
22	A Non-Data-Aided Maximum Likelihood Time Delay Estimator Using Importance Sampling. IEEE Transactions on Signal Processing, 2011, 59, 4505-4515.	5.3	34