

Traian E Abrudan

List of Publications by Year in descending order

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papers

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23
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644
citing authors

#	ARTICLE	IF	CITATIONS
1	Steepest Descent Algorithms for Optimization Under Unitary Matrix Constraint. IEEE Transactions on Signal Processing, 2008, 56, 1134-1147.	3.2	136
2	Neighbor-Aided Localization in Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2693-2702.	4.7	74
3	Conjugate gradient algorithm for optimization under unitary matrix constraint. Signal Processing, 2009, 89, 1704-1714.	2.1	64
4	Distortion Rejecting Magneto-Inductive Three-Dimensional Localization (MagLoc). IEEE Journal on Selected Areas in Communications, 2015, 33, 2404-2417.	9.7	51
5	Impact of Rocks and Minerals on Underground Magneto-Inductive Communication and Localization. IEEE Access, 2016, 4, 3999-4010.	2.6	49
6	Underground Incrementally Deployed Magneto-Inductive 3-D Positioning Network. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4376-4391.	2.7	37
7	RSSI-based relative localisation for mobile robots. Ad Hoc Networks, 2014, 13, 321-335.	3.4	36
8	Time Synchronization and Ranging in OFDM Systems Using Time-Reversal. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 3276-3290.	2.4	33
9	Impact of Position Errors on Path Loss Model Estimation for Device-to-Device Channels. IEEE Transactions on Wireless Communications, 2014, 13, 2353-2361.	6.1	15
10	Magnetic Induction-Based Positioning in Distorted Environments. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4605-4612.	2.7	12
11	OFDM ranging in multipath channels using time reversal method. , 2009, , .		6
12	Construction of Minimum Euclidean Distance MIMO Precoders and Their Lattice Classifications. IEEE Transactions on Signal Processing, 2012, 60, 4470-4474.	3.2	6
13	Fusing Time-of-Flight and Received Signal Strength for adaptive radio-frequency ranging. , 2013, , .		6
14	Efficient Riemannian algorithms for optimization under unitary matrix constraint. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	5
15	Reducing magneto-inductive positioning errors in a metal-rich indoor environment. , 2015, , .		5
16	Experimental Study on Probabilistic ToA and AoA Joint Localization in Real Indoor Environments. , 2021, , .		4
17	Blind equalization in spatial multiplexing MIMO-OFDM systems based on vector CMA and decorrelation criteria. Wireless Personal Communications, 2007, 43, 1151-1172.	1.8	3
18	Unitary checkerboard precoded OFDM for low-PAPR optical wireless communications. Journal of Optical Communications and Networking, 2022, 14, 153.	3.3	3

#	ARTICLE	IF	CITATIONS
19	Probabilistic 5G Indoor Positioning Proof of Concept with Outlier Rejection. , 2022, , .		3
20	Blind multi-user receiver for MIMO-OFDM systems. , 0, , .		2
21	Riemannian optimization in complex-valued ICA. , 2015, , 83-94.		1
22	Advances and Challenges in Underground Sensing. , 2018, , 357-415.		1
23	Efficient Line Search Methods for Riemannian Optimization Under Unitary Matrix Constraint. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	0