

Montserrat Najar Marton

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

410
citations

1162889

8
h-index

1058333

14
g-index

44
all docs

44
docs citations

44
times ranked

338
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Kalman tracking for mobile location in NLOS situations. , 0, , . | | 55 |
| 2 | Frequency Domain Joint TOA and DOA Estimation in IR-UWB. IEEE Transactions on Wireless Communications, 2011, 10, 1-11. | 6.1 | 38 |
| 3 | Performance comparison between FBMC and OFDM in MIMO systems under channel uncertainty. , 2010, , . | | 34 |
| 4 | TOA and DOA Estimation for Positioning and Tracking in IR-UWB. , 2007, , . | | 30 |
| 5 | Energy efficient communications over the AWGN relay channel. IEEE Transactions on Wireless Communications, 2010, 9, 32-37. | 6.1 | 26 |
| 6 | Determining building interior structures using compressive sensing. Journal of Electronic Imaging, 2013, 22, 021003. | 0.5 | 22 |
| 7 | UWB joint TOA and DOA estimation. , 2009, , . | | 20 |
| 8 | Sparse channel estimation based on compressed sensing for ultra wideband systems. , 2011, , . | | 18 |
| 9 | Spectral Feature Detection With Sub-Nyquist Sampling for Wideband Spectrum Sensing. IEEE Transactions on Wireless Communications, 2015, 14, 3978-3990. | 6.1 | 16 |
| 10 | Sparse Multiple Relay Selection for Network Beamforming With Individual Power Constraints Using Semidefinite Relaxation. IEEE Transactions on Wireless Communications, 2016, 15, 1206-1217. | 6.1 | 16 |
| 11 | Joint estimation of TOA and DOA in IR-UWB. , 2007, , . | | 13 |
| 12 | Asymptotically Optimal Linear Shrinkage of Sample LMMSE and MVDR Filters. IEEE Transactions on Signal Processing, 2014, 62, 3552-3564. | 3.2 | 12 |
| 13 | Wall mitigation techniques for indoor sensing within the compressive sensing framework. , 2012, , . | | 10 |
| 14 | Compressive sensing for through wall radar imaging of stationary scenes using arbitrary data measurements. , 2012, , . | | 9 |
| 15 | Pattern Matching for Building Feature Extraction. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 2193-2197. | 1.4 | 9 |
| 16 | The K-filter: A new architecture to model and design non-linear systems from Kolmogorov's theorem. Signal Processing, 1995, 44, 249-267. | 2.1 | 8 |
| 17 | Sparse covariance fitting for direction of arrival estimation. Eurasip Journal on Advances in Signal Processing, 2012, 2012, . | 1.0 | 8 |
| 18 | Low Complexity Frequency Domain TOA Estimation for IR-UWB Communications. , 2006, , . | | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Sparse correlation matching-based spectrum sensing for open spectrum communications. <i>Eurasip Journal on Advances in Signal Processing</i> , 2012, 2012, . | 1.0 | 7 |
| 20 | Assessment of Direct Positioning for IR-UWB in IEEE 802.15.4a channels. , 2013, , . | | 7 |
| 21 | Joint TOA and DOA estimation compliant with IEEE 802.15.4a Standard. , 2010, , . | | 5 |
| 22 | Prototyping with SDR: A quick way to play with next-gen communications systems. , 2011, , . | | 5 |
| 23 | Source reference in CIR beamforming. <i>Signal Processing</i> , 1992, 29, 141-149. | 2.1 | 4 |
| 24 | Two-stage code reference beamformer for the reception of frequency hopping modulated signals. <i>Signal Processing</i> , 2000, 80, 2623-2632. | 2.1 | 4 |
| 25 | Radio Context Awareness and Applications. <i>Journal of Sensors</i> , 2013, 2013, 1-12. | 0.6 | 4 |
| 26 | Subset relay selection in wireless cooperative networks using sparsity-inducing norms. , 2014, , . | | 4 |
| 27 | Minimum variance time of arrival estimation for positioning. <i>Signal Processing</i> , 2010, 90, 2611-2620. | 2.1 | 3 |
| 28 | Signal Processing for Hybridization. , 2012, , 317-382. | | 3 |
| 29 | Robust primary user identification using compressive sampling for cognitive radios. , 2014, , . | | 3 |
| 30 | A robust digital watermarking scheme based on ICA. , 2003, , . | | 2 |
| 31 | SPC12-2: Low Complexity Toa Estimation for Wireless Location. <i>IEEE Global Telecommunications Conference (GLOBECOM)</i> , 2006, , . | 0.0 | 2 |
| 32 | Joint synchronization and demodulation for IR-UWB. , 2008, , . | | 2 |
| 33 | Conformal transformation for efficient ROOT-TOA estimation. , 2008, , . | | 2 |
| 34 | Optimal linear correction in LMMSE estimation using moments of the complex inverse Wishart distribution. , 2012, , . | | 1 |
| 35 | Spatial sparsity based direct positioning for IR-UWB in IEEE 802.15.4a channels. , 2014, , . | | 1 |
| 36 | Filter Bank-based Transceiver Design for Ultrawideband. , 0, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Innovative Signal Processing Techniques for Wireless Positioning. , 2012, , 207-315. | | 0 |
| 38 | Fundamental Limits in the Accuracy of Wireless Positioning. , 2012, , 155-205. | | 0 |
| 39 | Casting Signal Processing to Real-World Data. , 2012, , 383-419. | | 0 |
| 40 | Improved interior wall detection using designated dictionaries in compressive urban sensing problems. Proceedings of SPIE, 2013, , . | 0.8 | 0 |
| 41 | Relay subset selection in cognitive networks with imperfect CSI and individual power constraints. , 2015, , . | | 0 |
| 42 | Multi-TOA based position estimation for IR-UWB. , 2017, , . | | 0 |
| 43 | Position Estimation for IR-UWB Systems. Advances in Wireless Technologies and Telecommunication Book Series, 2018, , 274-316. | 0.3 | 0 |