

# Montserrat Najar Marton

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

410  
citations

1163117  
8  
h-index

1058476  
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.	9.2	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.	9.2	26
6	Determining building interior structures using compressive sensing. Journal of Electronic Imaging, 2013, 22, 021003.	0.9	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.	9.2	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.	9.2	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.	5.3	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.	3.1	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.	3.7	8
17	Sparse covariance fitting for direction of arrival estimation. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.7	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, .	1.7	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.	3.7	4
24	Two-stage code reference beamformer for the reception of frequency hopping modulated signals. <i>Signal Processing</i> , 2000, 80, 2623-2632.	3.7	4
25	Radio Context Awareness and Applications. <i>Journal of Sensors</i> , 2013, 2013, 1-12.	1.1	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.	3.7	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.	0.4	0