Montserrat Najar Marton

List of Publications by Year
in descending order

43 papers	410 citations	1162889
		8 h-index

1058333	
14 g-index	

43	410	8	14
papers	citations	h-index	g-index
44	44	44	338
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Position Estimation for IR-UWB Systems. Advances in Wireless Technologies and Telecommunication Book Series, 2018, , 274-316.	0.3	0
2	Multi-TOA based position estimation for IR-UWB. , 2017, , .		0
3	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
4	Spectral Feature Detection With Sub-Nyquist Sampling for Wideband Spectrum Sensing. IEEE Transactions on Wireless Communications, 2015, 14, 3978-3990.	6.1	16
5	Relay subset selection in cognitive networks with imperfect CSI and individual power constraints. , 2015, , .		0
6	Robust primary user identification using compressive sampling for cognitive radios. , 2014, , .		3
7	Spatial sparsity based direct positioning for IR-UWB in IEEE 802.15.4a channels. , 2014, , .		1
8	Subset relay selection in wireless cooperative networks using sparsity-inducing norms. , 2014, , .		4
9	Asymptotically Optimal Linear Shrinkage of Sample LMMSE and MVDR Filters. IEEE Transactions on Signal Processing, 2014, 62, 3552-3564.	3.2	12
10	Pattern Matching for Building Feature Extraction. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 2193-2197.	1.4	9
11	Improved interior wall detection using designated dictionaries in compressive urban sensing problems. Proceedings of SPIE, 2013, , .	0.8	0
12	Assessment of Direct Positioning for IR-UWB in IEEE 802.15.4a channels. , 2013, , .		7
13	Determining building interior structures using compressive sensing. Journal of Electronic Imaging, 2013, 22, 021003.	0.5	22
14	Radio Context Awareness and Applications. Journal of Sensors, 2013, 2013, 1-12.	0.6	4
15	Innovative Signal Processing Techniques for Wireless Positioning. , 2012, , 207-315.		0
16	Optimal linear correction in LMMSE estimation using moments of the complex inverse Wishart distribution. , 2012, , .		1
17	Wall mitigation techniques for indoor sensing within the compressive sensing framework. , 2012, , .		10
18	Compressive sensing for through wall radar imaging of stationary scenes using arbitrary data measurements. , 2012, , .		9

#	Article	IF	Citations
19	Sparse covariance fitting for direction of arrival estimation. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.0	8
20	Fundamental Limits in the Accuracy of Wireless Positioning. , 2012, , 155-205.		0
21	Signal Processing for Hybridization. , 2012, , 317-382.		3
22	Casting Signal Processing to Real-World Data. , 2012, , 383-419.		0
23	Sparse correlation matching-based spectrum sensing for open spectrum communications. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.0	7
24	Prototyping with SDR: A quick way to play with next-gen communications systems. , 2011, , .		5
25	Sparse channel estimation based on compressed sensing for ultra wideband systems. , 2011, , .		18
26	Frequency Domain Joint TOA and DOA Estimation in IR-UWB. IEEE Transactions on Wireless Communications, 2011, 10, 1-11.	6.1	38
27	Minimum variance time of arrival estimation for positioning. Signal Processing, 2010, 90, 2611-2620.	2.1	3
28	Energy efficient communications over the AWGN relay channel. IEEE Transactions on Wireless Communications, 2010, 9, 32-37.	6.1	26
29	Performance comparison between FBMC and OFDM in MIMO systems under channel uncertainty. , 2010, , .		34
30	Joint TOA and DOA estimation compliant with IEEE 802.15.4a Standard. , 2010, , .		5
31	UWB joint TOA and DOA estimation. , 2009, , .		20
32	Joint synchronization and demodulation for IR-UWB. , 2008, , .		2
33	Conformal transformation for efficient ROOT-TOA estimation. , 2008, , .		2
34	TOA and DOA Estimation for Positioning and Tracking in IR-UWB. , 2007, , .		30
35	Joint estimation of TOA and DOA in IR-UWB. , 2007, , .		13
36	SPC12-2: Low Complexity Toa Estimation for Wireless Location. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	2

#	Article	IF	Citations
37	Low Complexity Frequency Domain TOA Estimation for IR-UWB Communications. , 2006, , .		7
38	A robust digital watermarking scheme based on ICA. , 2003, , .		2
39	Two-stage code reference beamformer for the reception of frequency hopping modulated signals. Signal Processing, 2000, 80, 2623-2632.	2.1	4
40	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
41	Source reference in CIR beamforming. Signal Processing, 1992, 29, 141-149.	2.1	4
42	Kalman tracking for mobile location in NLOS situations. , 0, , .		55
43	Filter Bank-based Transceiver Design for Ultrawideband. , 0, , .		0