

Heidi Steendam

List of Publications by Year in descending order

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38
papers

715
citations

759233

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all docs

39
docs citations

39
times ranked

637
citing authors

#	ARTICLE	IF	CITATIONS
1	Pose Estimation for Visible Light Systems Using a Quadrature Angular Diversity Aperture Receiver. Sensors, 2022, 22, 5073.	3.8	1
2	Optimal Multi-Objective Resource Allocation for D2D Underlying Cellular Networks in Uplink Communications. IEEE Access, 2021, 9, 114153-114166.	4.2	1
3	PDR/UWB Based Positioning of a Shopping Cart. IEEE Sensors Journal, 2021, 21, 10864-10878.	4.7	13
4	Precoding for PAPR Reduction in UW-OFDM. IEEE Communications Letters, 2021, 25, 2305-2308.	4.1	3
5	Parameter estimation and channel reconstruction based on compressive sensing for ultra-wideband MB-OFDM systems. Signal Processing, 2020, 167, 107318.	3.7	7
6	Planar positioning bias due to transmitter and receiver tilting in RSS-based ranging VLP. Optik, 2020, 206, 163100.	2.9	1
7	Efficient pilot allocation for sparse channel estimation in UWB OFDM systems. Signal Processing, 2020, 175, 107666.	3.7	5
8	Tradeoff Between Ergodic Energy Efficiency and Spectral Efficiency in D2D Communications Under Rician Fading Channel. IEEE Transactions on Vehicular Technology, 2020, 69, 9750-9766.	6.3	10
9	Simultaneous Position and Orientation Estimation for Visible Light Systems With Multiple LEDs and Multiple PDs. IEEE Journal on Selected Areas in Communications, 2020, 38, 1866-1879.	14.0	32
10	Feature Selection for Machine Learning Based Step Length Estimation Algorithms. Sensors, 2020, 20, 778.	3.8	9
11	A Novel Performance Tradeoff in Heterogeneous Networks: A Multi-Objective Approach. IEEE Wireless Communications Letters, 2019, 8, 1402-1405.	5.0	11
12	BER Evaluation of OFDM Systems With Joint Effect of TI-ADC Circuit's Gain Mismatch and Channel Estimation Error. IEEE Transactions on Communications, 2019, 67, 3612-3623.	7.8	4
13	A positioning algorithm for VLP in the presence of orientation uncertainty. Signal Processing, 2019, 160, 13-20.	3.7	8
14	A Feature Ranking and Selection Algorithm for Machine Learning-Based Step Counters. IEEE Sensors Journal, 2018, 18, 3255-3265.	4.7	15
15	A 3-D Positioning Algorithm for AOA-Based VLP With an Aperture-Based Receiver. IEEE Journal on Selected Areas in Communications, 2018, 36, 23-33.	14.0	64
16	Power Spectral Analysis of UW-OFDM Systems. IEEE Transactions on Communications, 2018, 66, 2685-2695.	7.8	14
17	Magnitude of the Distance Estimation Bias in Received Signal Strength Visible Light Positioning. IEEE Communications Letters, 2018, 22, 2250-2253.	4.1	9
18	An Indoor Variance-Based Localization Technique Utilizing the UWB Estimation of Geometrical Propagation Parameters. IEEE Transactions on Antennas and Propagation, 2018, 66, 2522-2533.	5.1	34

#	ARTICLE	IF	CITATIONS
19	Theoretical Lower Bound for Indoor Visible Light Positioning Using Received Signal Strength Measurements and an Aperture-Based Receiver. <i>Journal of Lightwave Technology</i> , 2017, 35, 309-319.	4.6	74
20	Theoretical Performance Evaluation and Optimization of UW-OFDM. <i>IEEE Transactions on Communications</i> , 2016, 64, 1739-1750.	7.8	12
21	Improved Censoring and NLOS Avoidance for Wireless Localization in Dense Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2015, 33, 2302-2312.	14.0	28
22	Design and analysis of the UW-OFDM signal. , 2014, , .		3
23	Frame Theory and Optimal Anchor Geometries in Wireless Localization. , 2014, , .		10
24	On the effect of movement on the localization accuracy in practical wireless networks. , 2013, , .		2
25	Power Spectrum Characterization of Systematic Coded UW-OFDM Systems. , 2013, , .		10
26	The Quasi-Uniform Redundant Carrier Placement for UW-OFDM. , 2012, , .		6
27	On the redundant carrier distribution for UW-OFDM. , 2012, , .		8
28	Iterative Decision-Directed Joint Frequency Offset and Channel Estimation for KSP-OFDM. <i>IEEE Transactions on Communications</i> , 2012, 60, 3103-3110.	7.8	7
29	Analysis of the Redundant Energy in UW-OFDM. <i>IEEE Transactions on Communications</i> , 2012, 60, 1692-1701.	7.8	12
30	Near Optimal Iterative Channel Estimation for KSP-OFDM. <i>IEEE Transactions on Signal Processing</i> , 2010, 58, 4948-4954.	5.3	9
31	Frequency-Domain Data-Aided Channel Estimation for KSP-OFDM. , 2008, , .		6
32	Analysis of the Narrowband Interference Effect on OFDM Timing Synchronization. <i>IEEE Transactions on Signal Processing</i> , 2007, 55, 4558-4566.	5.3	73
33	Performance Analysis of ML-Based Feedback Carrier Phase Synchronizers for Coded Signals. <i>IEEE Transactions on Signal Processing</i> , 2007, 55, 1129-1136.	5.3	24
34	The Effect of Narrowband Interference on Frequency Ambiguity Resolution for OFDM. , 2006, , .		13
35	A Theoretical Framework for Soft-Information-Based Synchronization in Iterative (Turbo) Receivers. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2005, 2005, 1.	2.4	91
36	Synchronization sensitivity of multicarrier systems. <i>European Transactions on Telecommunications</i> , 2004, 15, 223-234.	1.2	24

#	ARTICLE	IF	CITATIONS
37	Sensitivity of orthogonal frequency-division multiplexed systems to carrier and clock synchronization errors. <i>Signal Processing</i> , 2000, 80, 1217-1229.	3.7	49
38	The Sensitivity of MC-CDMA to Synchronisation Errors. <i>European Transactions on Telecommunications</i> , 1999, 10, 429-436.	1.2	10