

# Jaechan Lim

## List of Publications by Year in descending order

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33  
papers

355  
citations

840776

11  
h-index

888059

17  
g-index

33  
all docs

33  
docs citations

33  
times ranked

431  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ubiquitous 3D positioning systems by led-based visible light communications. IEEE Wireless Communications, 2015, 22, 80-85.	9.0	37
2	Beam Tracking Under Highly Nonlinear Mobile Millimeter-Wave Channel. IEEE Communications Letters, 2019, 23, 450-453.	4.1	33
3	Effects of time-to-trigger parameter on handover performance in SON-based LTE systems. , 2010, , .		31
4	Mobility and Handover Management for Heterogeneous Networks in LTE-Advanced. Wireless Personal Communications, 2013, 72, 2901-2912.	2.7	26
5	Gaussian Particle Filtering Approach for Carrier Frequency Offset Estimation in OFDM Systems. IEEE Signal Processing Letters, 2013, 20, 367-370.	3.6	22
6	Interactive-Multiple-Model Algorithm Based on Minimax Particle Filtering. IEEE Signal Processing Letters, 2020, 27, 36-40.	3.6	22
7	Self-Configuration of Neighbor Cell List Utilizing E-UTRAN NodeB Scanning in LTE Systems. , 2010, , .		21
8	Cost Reference Particle Filtering Approach to High-Bandwidth Tilt Estimation. IEEE Transactions on Industrial Electronics, 2010, 57, 3830-3839.	7.9	19
9	Particle filtering for nonlinear dynamic state systems with unknown noise statistics. Nonlinear Dynamics, 2014, 78, 1369-1388.	5.2	16
10	Management of neighbor cell lists and physical cell identifiers in self-organizing heterogeneous networks. Journal of Communications and Networks, 2011, 13, 367-376.	2.6	14
11	Self-Optimization of Coverage and System Throughput in 5G Heterogeneous Ultra-Dense Networks. IEEE Wireless Communications Letters, 2020, 9, 285-288.	5.0	14
12	Inter-Carrier Interference Estimation in OFDM Systems With Unknown Noise Distributions. IEEE Signal Processing Letters, 2009, 16, 493-496.	3.6	13
13	Variants of extended Kalman filtering approaches for Bayesian tracking. International Journal of Robust and Nonlinear Control, 2017, 27, 319-346.	3.7	13
14	CDKF approach for estimating a static parameter of carrier frequency offset based on nonlinear measurement equations in OFDM systems. Nonlinear Dynamics, 2014, 78, 703-711.	5.2	11
15	Minimax particle filtering for tracking a highly maneuvering target. International Journal of Robust and Nonlinear Control, 2020, 30, 636-651.	3.7	8
16	Performance Degradation Due to Particle Impoverishment in Particle Filtering. Journal of Electrical Engineering and Technology, 2014, 9, 2107-2113.	2.0	8
17	Frequency-selective and nonlinear channel estimation with unknown noise statistics. IEEE Communications Letters, 2010, 14, 245-247.	4.1	7
18	Mobility Management Based on Beam-Level Measurement Report in 5G Massive MIMO Cellular Networks. Electronics (Switzerland), 2020, 9, 865.	3.1	7

#	ARTICLE	IF	CITATIONS
19	Thyroid Nodule Parameters Influencing Performance of Ultrasound Elastography Using Intrinsic Compression. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 2333-2339.	1.5	6
20	A Target Tracking Based on Bearing and Range Measurement With Unknown Noise Statistics. <i>Journal of Electrical Engineering and Technology</i> , 2013, 8, 1520-1529.	2.0	6
21	Self-optimization of single femto-cell coverage using handover events in LTE systems. , 2011, , .		4
22	Multitarget Tracking by Particle Filtering Based on RSS Measurement in Wireless Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , 2015, 11, 837070.	2.2	4
23	Game theory based H infinity filter approach for estimating the number of competing terminals in IEEE 802.11 networks. , 2011, , .		3
24	3-D Cameras: A Novel Method and Device for 3-D Imaging Using Light Detection and Ranging [From Mind to Market]. <i>IEEE Industrial Electronics Magazine</i> , 2015, 9, 6-8.	2.6	2
25	Deployment of small cells with biased density in heterogeneous networks. , 2016, , .		2
26	Tracking by Risky Particle Filtering over Sensor Networks. <i>Sensors</i> , 2020, 20, 3109.	3.8	2
27	$\hat{z}$ Filtering for Bias Correction in Post-Processing of Numerical Weather Prediction. <i>Journal of the Meteorological Society of Japan</i> , 2019, 97, 773-782.	1.8	2
28	Mixture filtering approaches to blind equalization based on estimation of time-varying and multi-path channels. <i>Journal of Communications and Networks</i> , 2016, 18, 8-18.	2.6	1
29	Joint Estimation of CFO and Channel in OFDM Systems with Blind Noise Statistics. <i>IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)</i> , 2017, 34, 491-503.	3.2	1
30	Restricted sleep mode for effective cell throughput improvement in vertical handover. , 2009, , .		0
31	Performance analysis of VoIP according to relay capability in OFDMA-based systems. , 2009, , .		0
32	Estimating the number of competing terminals by cost-reference particle filtering in non-saturated wireless-LAN. <i>Telecommunication Systems</i> , 2016, 62, 519-527.	2.5	0
33	Minimax Monte Carlo object tracking. <i>Visual Computer</i> , 0, , 1.	3.5	0