

Ki-Hong Park

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

86 papers	1,643 citations	20 h-index	38 g-index
106 ext. papers	2,093 ext. citations	6.3 avg, IF	5.23 L-index

#	Paper	IF	Citations
86	Efficient NOMA Design without Channel Phase Information using Amplitude-Coherent Detection. <i>IEEE Transactions on Communications</i> , 2021 , 1-1	6.9	
85	Throughput Maximization of Mixed FSO/RF UAV-Aided Mobile Relaying With a Buffer. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 683-694	9.6	19
84	The Meta Distributions of Secrecy Rate for the Downlink NOMA Systems. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 291-295	5.9	1
83	. <i>Journal of Lightwave Technology</i> , 2021 , 1-1	4	7
82	Performance Analysis of Satellite Communication Systems with Randomly Located Ground Users. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	2
81	On Secure NOMA-based Terrestrial and Aerial IoT Systems. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	1
80	Amplitude-Coherent Detection for Optical Wireless Communications: Opportunities and Limitations. <i>IEEE Open Journal of the Communications Society</i> , 2020 , 1, 550-562	6.7	7
79	Optimal Resource Allocation and Placement for Terrestrial and Aerial Base Stations in Mixed RF/FSO Backhaul Networks 2020 ,		7
78	A QoS-Oriented Trajectory Optimization in Swarming Unmanned-Aerial-Vehicles Communications. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 791-794	5.9	5
77	Performance Analysis of Dual-Hop RF-UWOC Systems. <i>IEEE Photonics Journal</i> , 2020 , 12, 1-15	1.8	20
76	On Secure Mixed RF-FSO Systems With TAS and Imperfect CSI. <i>IEEE Transactions on Communications</i> , 2020 , 68, 4461-4475	6.9	37
75	A UAV-Mounted Free Space Optical Communication: Trajectory Optimization for Flight Time. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 1610-1621	9.6	21
74	Safeguarding UAV IoT Communication Systems Against Randomly Located Eavesdroppers. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 1230-1244	10.7	25
73	Statistical Modeling of the Impact of Underwater Bubbles on an Optical Wireless Channel. <i>IEEE Open Journal of the Communications Society</i> , 2020 , 1, 808-818	6.7	4
72	On the Performance of Dual-Hop RF-UWOC System 2020 ,		1
71	On Secure Downlink NOMA Systems With Outage Constraint. <i>IEEE Transactions on Communications</i> , 2020 , 68, 7824-7836	6.9	13
70	Error Rate Analysis of Amplitude-Coherent Detection Over Rician Fading Channels With Receiver Diversity. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 134-147	9.6	15

69	Communicating Using Spatial Mode Multiplexing: Potentials, Challenges, and Perspectives. <i>IEEE Communications Surveys and Tutorials</i> , 2019 , 21, 3175-3203	37.1	83
68	Secrecy Outage Analysis for Cooperative NOMA Systems With Relay Selection Schemes. <i>IEEE Transactions on Communications</i> , 2019 , 67, 6282-6298	6.9	71
67	An Improved Accurate Solver for the Time-Dependent RTE in Underwater Optical Wireless Communications. <i>IEEE Access</i> , 2019 , 7, 96478-96494	3.5	10
66	2019 ,		11
65	On Physical Layer Security of Multiple-Relay Assisted NOMA Systems 2019 ,		3
64	Optical camera communications: Survey, use cases, challenges, and future trends. <i>Physical Communication</i> , 2019 , 37, 100900	2.2	28
63	Adaptive Power Allocation for Distortion Minimization in Generalized Polar Optical Wireless Communications. <i>IEEE Transactions on Communications</i> , 2019 , 67, 8545-8556	6.9	2
62	Free Space Optical Communication on UAV-Assisted Backhaul Networks: Optimization for Service Time 2019 ,		3
61	Ordered Sequence Detection and Barrier Signal Design for Digital Pulse Interval Modulation in Optical Wireless Communications. <i>IEEE Transactions on Communications</i> , 2019 , 67, 2880-2892	6.9	6
60	Secrecy Outage of MaxMin TAS Scheme in MIMO-NOMA Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 6981-6990	6.8	60
59	Visible light communication using DC-biased optical filter bank multi-carrier modulation 2018 ,		9
58	Free-space optical channel characterization and experimental validation in a coastal environment. <i>Optics Express</i> , 2018 , 26, 6614-6628	3.3	22
57	Polar Coordinate Based Modulation: Concept, Performance Analysis and System Design 2018 ,		1
56	Light based underwater wireless communications. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 08PA06	1.4	47
55	Improved angle diversity non-imaging receiver with a help of mirror in indoor MIMO-VLC systems 2018 ,		2
54	Ordered Sequence Detection and Robust Design for Pulse Interval Modulation 2018 ,		2
53	Secrecy Outage Analysis of Mixed RF-FSO Downlink SWIPT Systems. <i>IEEE Transactions on Communications</i> , 2018 , 66, 6384-6395	6.9	73
52	Secrecy Outage Analysis of Mixed RF-FSO Systems With Channel Imperfection. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-13	1.8	59

51	A Novel Mirror-Aided Non-Imaging Receiver for Indoor 2×2 MIMO-Visible Light Communication Systems. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 5630-5643	9.6	11
50	Performance Evaluation of Underwater Wireless Optical Communications Links in the Presence of Different Air Bubble Populations. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-9	1.8	58
49	Performance analysis of multihop heterodyne free-space optical communication over general Malaga turbulence channels with pointing error. <i>Optik</i> , 2017 , 151, 34-47	2.5	15
48	Secrecy performance analysis of SIMO underlay cognitive radio systems with outdated CSI. <i>IET Communications</i> , 2017 , 11, 1961-1969	1.3	14
47	BER analysis of multi-hop heterodyne FSO systems with fixed gain relays over general Malaga turbulence channels 2017 ,		6
46	Optimal linear precoding for indoor visible light communication system 2017 ,		5
45	A Generic Simulation Approach for the Fast and Accurate Estimation of the Outage Probability of Single Hop and Multihop FSO Links Subject to Generalized Pointing Errors. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 6822-6837	9.6	13
44	On Secure NOMA Systems With Transmit Antenna Selection Schemes. <i>IEEE Access</i> , 2017 , 5, 17450-17464	3.5	105
43	On Secrecy Performance of Mixed RF-FSO Systems. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-14	1.8	71
42	Bandwidth enhancement of wireless optical communication link using a near-infrared laser over turbid underwater channel 2017 ,		8
41	Performance evaluation of underwater wireless optical communications links in the presence of different air bubble populations 2017 ,		1
40	Robust Transceivers Design for Multi-Stream Multi-User MIMO Visible Light Communication. <i>IEEE Access</i> , 2017 , 5, 26387-26399	3.5	17
39	Underwater wireless optical communications: From system-level demonstrations to channel modelling 2017 ,		3
38	Performance Analysis of Multi-Hop Heterodyne FSO Systems over Malaga Turbulent Channels with Pointing Error Using Mixture Gamma Distribution 2017 ,		2
37	Free-space optical channel characterization in a coastal environment. <i>Journal of Communications and Information Networks</i> , 2017 , 2, 100-106		6
36	Design and Deployment of Mobile FSO Communication System 2017 ,		2
35	Near-Infrared Wireless Optical Communication with Particulates In-Suspension over the Underwater Channel 2017 ,		3
34	20-meter underwater wireless optical communication link with 1.5 Gbps data rate. <i>Optics Express</i> , 2016 , 24, 25502-25509	3.3	145

33	Optimization of an Angle-Aided Mirror Diversity Receiver for Indoor MIMO-VLC Systems 2016 ,		5
32	Design and experimental demonstration of mirror-aided non-imaging receiver for indoor MIMO-VLC systems 2016 ,		1
31	Fast Outage Probability Simulation for FSO Links with a Generalized Pointing Error Model 2016 ,		2
30	Bit error rate analysis of free-space optical communication over general Malaga turbulence channels with pointing error 2016 ,		2
29	Performance analysis of subcarrier intensity modulation using rectangular QAM over Malaga turbulence channels with integer and non-integer <i>Wireless Communications and Mobile Computing</i> , 2016 , 16, 2730-2742	1.9	7
28	A novel mirror diversity receiver for indoor MIMO visible light communication systems 2016 ,		6
27	2.3 Gbit/s underwater wireless optical communications using directly modulated 520 nm laser diode. <i>Optics Express</i> , 2015 , 23, 20743-8	3.3	130
26	Performance comparison of binary modulation schemes for visible light communication 2015 ,		2
25	A SDP based design of relay precoding for the power minimization of MIMO AF-relay networks 2015 ,		1
24	On the Use of a Direct Radiative Transfer Equation Solver for Path Loss Calculation in Underwater Optical Wireless Channels. <i>IEEE Wireless Communications Letters</i> , 2015 , 4, 561-564	5.9	32
23	Ultrawide Bandwidth Receiver Based on a Multivariate Generalized Gaussian Distribution. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 1800-1810	9.6	18
22	Near-Optimal Downlink Precoding for Two-Tier Priority-Based Wireless Networks. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 628-638	9.6	
21	. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 3322-3336	9.6	9
20	. <i>IEEE Transactions on Wireless Communications</i> , 2014 , 13, 1844-1853	9.6	9
19	Codebook-based interference alignment for uplink MIMO interference channels. <i>Journal of Communications and Networks</i> , 2014 , 16, 18-25	4.1	12
18	. <i>IEEE Transactions on Vehicular Technology</i> , 2014 , 63, 72-81	6.8	9
17	Precoded generalized space shift keying for indoor visible light communications 2014 ,		2
16	Throughput maximization for cognitive radio networks using active cooperation and superposition coding 2014 ,		1

15	Alternate MIMO AF Relaying Networks With Interference Alignment: Spectral Efficient Protocol and Linear Filter Design. <i>IEEE Transactions on Vehicular Technology</i> , 2013 , 62, 914-920	6.8	7
14	On the Jamming Power Allocation for Secure Amplify-and-Forward Relaying via Cooperative Jamming. <i>IEEE Journal on Selected Areas in Communications</i> , 2013 , 31, 1741-1750	14.2	101
13	On the Power and Offset Allocation for Rate Adaptation of Spatial Multiplexing in Optical Wireless MIMO Channels. <i>IEEE Transactions on Communications</i> , 2013 , 61, 1535-1543	6.9	66
12	Cooperative Joint Precoding in a Downlink Cellular System with Shared Relay: Design and Performance Evaluation. <i>IEEE Transactions on Wireless Communications</i> , 2012 , 11, 3462-3473	9.6	10
11	On the achievable degrees of freedom of alternate MIMO relaying with multiple AF relays 2012 ,		2
10	Alternate Transmission Relaying Based on Interference Alignment in 3-Relay Half-Duplex MIMO Systems. <i>IEEE Journal on Selected Areas in Communications</i> , 2012 , 30, 1383-1389	14.2	7
9	2012 ,		4
8	On the Diversity Enhancement and Power Balancing of Per-Subcarrier Transmit Antenna Selection in OFDM Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2011 , 60, 2405-2410	6.8	
7	On the power and offset allocation for rate adaptation of spatial multiplexing in optical wireless MIMO channels 2011 ,		8
6	A novel power and offset allocation method for spatial multiplexing MIMO Systems in optical wireless channels 2011 ,		6
5	Cooperative joint precoding for relay enhanced cellular system: Design and performance evaluation 2011 ,		1
4	Low Complexity Transmit Antenna Selection with Power Balancing in OFDM Systems. <i>IEEE Transactions on Wireless Communications</i> , 2010 , 9, 3018-3023	9.6	4
3	Low Complexity Non-Iterative Coordinated Beamforming in 2-User Broadcast Channels. <i>IEEE Transactions on Communications</i> , 2010 , 58, 2810-2815	6.9	2
2	Accurate Approximations and Asymptotic Results for the Sum-Rate of Random Beamforming for Multi-Antenna Gaussian Broadcast Channels 2009 ,		4
1	Joint Adaptive Combining and Multiuser Downlink Scheduling. <i>IEEE Transactions on Vehicular Technology</i> , 2008 , 57, 2958-2968	6.8	4