

# Ki-Hong Park

## List of Publications by Citations

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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	20-meter underwater wireless optical communication link with 1.5 Gbps data rate. <i>Optics Express</i> , <b>2016</b> , 24, 25502-25509	3.3	145
85	2.3 Gbit/s underwater wireless optical communications using directly modulated 520 nm laser diode. <i>Optics Express</i> , <b>2015</b> , 23, 20743-8	3.3	130
84	On Secure NOMA Systems With Transmit Antenna Selection Schemes. <i>IEEE Access</i> , <b>2017</b> , 5, 17450-17464	3.5	105
83	On the Jamming Power Allocation for Secure Amplify-and-Forward Relaying via Cooperative Jamming. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2013</b> , 31, 1741-1750	14.2	101
82	Communicating Using Spatial Mode Multiplexing: Potentials, Challenges, and Perspectives. <i>IEEE Communications Surveys and Tutorials</i> , <b>2019</b> , 21, 3175-3203	37.1	83
81	Secrecy Outage Analysis of Mixed RF-FSO Downlink SWIPT Systems. <i>IEEE Transactions on Communications</i> , <b>2018</b> , 66, 6384-6395	6.9	73
80	Secrecy Outage Analysis for Cooperative NOMA Systems With Relay Selection Schemes. <i>IEEE Transactions on Communications</i> , <b>2019</b> , 67, 6282-6298	6.9	71
79	On Secrecy Performance of Mixed RF-FSO Systems. <i>IEEE Photonics Journal</i> , <b>2017</b> , 9, 1-14	1.8	71
78	On the Power and Offset Allocation for Rate Adaptation of Spatial Multiplexing in Optical Wireless MIMO Channels. <i>IEEE Transactions on Communications</i> , <b>2013</b> , 61, 1535-1543	6.9	66
77	Secrecy Outage of MaxMin TAS Scheme in MIMO-NOMA Systems. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 6981-6990	6.8	60
76	Secrecy Outage Analysis of Mixed RF-FSO Systems With Channel Imperfection. <i>IEEE Photonics Journal</i> , <b>2018</b> , 10, 1-13	1.8	59
75	Performance Evaluation of Underwater Wireless Optical Communications Links in the Presence of Different Air Bubble Populations. <i>IEEE Photonics Journal</i> , <b>2017</b> , 9, 1-9	1.8	58
74	Light based underwater wireless communications. <i>Japanese Journal of Applied Physics</i> , <b>2018</b> , 57, 08PA06	1.4	47
73	On Secure Mixed RF-FSO Systems With TAS and Imperfect CSI. <i>IEEE Transactions on Communications</i> , <b>2020</b> , 68, 4461-4475	6.9	37
72	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> , <b>2015</b> , 4, 561-564	5.9	32
71	Optical camera communications: Survey, use cases, challenges, and future trends. <i>Physical Communication</i> , <b>2019</b> , 37, 100900	2.2	28
70	Safeguarding UAV IoT Communication Systems Against Randomly Located Eavesdroppers. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 7, 1230-1244	10.7	25

69	Free-space optical channel characterization and experimental validation in a coastal environment. <i>Optics Express</i> , <b>2018</b> , 26, 6614-6628	3.3	22
68	A UAV-Mounted Free Space Optical Communication: Trajectory Optimization for Flight Time. <i>IEEE Transactions on Wireless Communications</i> , <b>2020</b> , 19, 1610-1621	9.6	21
67	Performance Analysis of Dual-Hop RF-UWOC Systems. <i>IEEE Photonics Journal</i> , <b>2020</b> , 12, 1-15	1.8	20
66	Throughput Maximization of Mixed FSO/RF UAV-Aided Mobile Relaying With a Buffer. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 20, 683-694	9.6	19
65	Ultrawide Bandwidth Receiver Based on a Multivariate Generalized Gaussian Distribution. <i>IEEE Transactions on Wireless Communications</i> , <b>2015</b> , 14, 1800-1810	9.6	18
64	Robust Transceivers Design for Multi-Stream Multi-User MIMO Visible Light Communication. <i>IEEE Access</i> , <b>2017</b> , 5, 26387-26399	3.5	17
63	Performance analysis of multihop heterodyne free-space optical communication over general Malaga turbulence channels with pointing error. <i>Optik</i> , <b>2017</b> , 151, 34-47	2.5	15
62	Error Rate Analysis of Amplitude-Coherent Detection Over Rician Fading Channels With Receiver Diversity. <i>IEEE Transactions on Wireless Communications</i> , <b>2020</b> , 19, 134-147	9.6	15
61	Secrecy performance analysis of SIMO underlay cognitive radio systems with outdated CSI. <i>IET Communications</i> , <b>2017</b> , 11, 1961-1969	1.3	14
60	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> , <b>2017</b> , 16, 6822-6837	9.6	13
59	On Secure Downlink NOMA Systems With Outage Constraint. <i>IEEE Transactions on Communications</i> , <b>2020</b> , 68, 7824-7836	6.9	13
58	Codebook-based interference alignment for uplink MIMO interference channels. <i>Journal of Communications and Networks</i> , <b>2014</b> , 16, 18-25	4.1	12
57	A Novel Mirror-Aided Non-Imaging Receiver for Indoor $2 \times 2$ MIMO-Visible Light Communication Systems. <i>IEEE Transactions on Wireless Communications</i> , <b>2017</b> , 16, 5630-5643	9.6	11
56	<b>2019</b> ,		11
55	An Improved Accurate Solver for the Time-Dependent RTE in Underwater Optical Wireless Communications. <i>IEEE Access</i> , <b>2019</b> , 7, 96478-96494	3.5	10
54	Cooperative Joint Precoding in a Downlink Cellular System with Shared Relay: Design and Performance Evaluation. <i>IEEE Transactions on Wireless Communications</i> , <b>2012</b> , 11, 3462-3473	9.6	10
53	Visible light communication using DC-biased optical filter bank multi-carrier modulation <b>2018</b> ,		9
52	. <i>IEEE Transactions on Wireless Communications</i> , <b>2014</b> , 13, 1844-1853	9.6	9

51	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2014</b> , 63, 72-81	6.8	9
50	. <i>IEEE Transactions on Wireless Communications</i> , <b>2015</b> , 14, 3322-3336	9.6	9
49	Bandwidth enhancement of wireless optical communication link using a near-infrared laser over turbid underwater channel <b>2017</b> ,		8
48	On the power and offset allocation for rate adaptation of spatial multiplexing in optical wireless MIMO channels <b>2011</b> ,		8
47	Amplitude-Coherent Detection for Optical Wireless Communications: Opportunities and Limitations. <i>IEEE Open Journal of the Communications Society</i> , <b>2020</b> , 1, 550-562	6.7	7
46	Optimal Resource Allocation and Placement for Terrestrial and Aerial Base Stations in Mixed RF/FSO Backhaul Networks <b>2020</b> ,		7
45	Alternate Transmission Relaying Based on Interference Alignment in 3-Relay Half-Duplex MIMO Systems. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2012</b> , 30, 1383-1389	14.2	7
44	Alternate MIMO AF Relaying Networks With Interference Alignment: Spectral Efficient Protocol and Linear Filter Design. <i>IEEE Transactions on Vehicular Technology</i> , <b>2013</b> , 62, 914-920	6.8	7
43	Performance analysis of subcarrier intensity modulation using rectangular QAM over Malaga turbulence channels with integer and non-integer $\alpha$ <i>Wireless Communications and Mobile Computing</i> , <b>2016</b> , 16, 2730-2742	1.9	7
42	. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 1-1	4	7
41	BER analysis of multi-hop heterodyne FSO systems with fixed gain relays over general Malaga turbulence channels <b>2017</b> ,		6
40	Free-space optical channel characterization in a coastal environment. <i>Journal of Communications and Information Networks</i> , <b>2017</b> , 2, 100-106		6
39	A novel power and offset allocation method for spatial multiplexing MIMO Systems in optical wireless channels <b>2011</b> ,		6
38	A novel mirror diversity receiver for indoor MIMO visible light communication systems <b>2016</b> ,		6
37	Ordered Sequence Detection and Barrier Signal Design for Digital Pulse Interval Modulation in Optical Wireless Communications. <i>IEEE Transactions on Communications</i> , <b>2019</b> , 67, 2880-2892	6.9	6
36	A QoS-Oriented Trajectory Optimization in Swarming Unmanned-Aerial-Vehicles Communications. <i>IEEE Wireless Communications Letters</i> , <b>2020</b> , 9, 791-794	5.9	5
35	Optimal linear precoding for indoor visible light communication system <b>2017</b> ,		5
34	Optimization of an Angle-Aided Mirror Diversity Receiver for Indoor MIMO-VLC Systems <b>2016</b> ,		5

33	<b>2012,</b>		4
32	Low Complexity Transmit Antenna Selection with Power Balancing in OFDM Systems. <i>IEEE Transactions on Wireless Communications</i> , <b>2010</b> , 9, 3018-3023	9.6	4
31	Accurate Approximations and Asymptotic Results for the Sum-Rate of Random Beamforming for Multi-Antenna Gaussian Broadcast Channels <b>2009</b> ,		4
30	Joint Adaptive Combining and Multiuser Downlink Scheduling. <i>IEEE Transactions on Vehicular Technology</i> , <b>2008</b> , 57, 2958-2968	6.8	4
29	Statistical Modeling of the Impact of Underwater Bubbles on an Optical Wireless Channel. <i>IEEE Open Journal of the Communications Society</i> , <b>2020</b> , 1, 808-818	6.7	4
28	On Physical Layer Security of Multiple-Relay Assisted NOMA Systems <b>2019</b> ,		3
27	Underwater wireless optical communications: From system-level demonstrations to channel modelling <b>2017</b> ,		3
26	Near-Infrared Wireless Optical Communication with Particulates In-Suspension over the Underwater Channel <b>2017</b> ,		3
25	Free Space Optical Communication on UAV-Assisted Backhaul Networks: Optimization for Service Time <b>2019</b> ,		3
24	Performance comparison of binary modulation schemes for visible light communication <b>2015</b> ,		2
23	Improved angle diversity non-imaging receiver with a help of mirror in indoor MIMO-VLC systems <b>2018</b> ,		2
22	Performance Analysis of Multi-Hop Heterodyne FSO Systems over Malaga Turbulent Channels with Pointing Error Using Mixture Gamma Distribution <b>2017</b> ,		2
21	Precoded generalized space shift keying for indoor visible light communications <b>2014</b> ,		2
20	On the achievable degrees of freedom of alternate MIMO relaying with multiple AF relays <b>2012</b> ,		2
19	Low Complexity Non-Iterative Coordinated Beamforming in 2-User Broadcast Channels. <i>IEEE Transactions on Communications</i> , <b>2010</b> , 58, 2810-2815	6.9	2
18	Design and Deployment of Mobile FSO Communication System <b>2017</b> ,		2
17	Fast Outage Probability Simulation for FSO Links with a Generalized Pointing Error Model <b>2016</b> ,		2
16	Bit error rate analysis of free-space optical communication over general Malaga turbulence channels with pointing error <b>2016</b> ,		2

15	Adaptive Power Allocation for Distortion Minimization in Generalized Polar Optical Wireless Communications. <i>IEEE Transactions on Communications</i> , <b>2019</b> , 67, 8545-8556	6.9	2
14	Performance Analysis of Satellite Communication Systems with Randomly Located Ground Users. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 1-1	9.6	2
13	Ordered Sequence Detection and Robust Design for Pulse Interval Modulation <b>2018</b> ,		2
12	A SDP based design of relay precoding for the power minimization of MIMO AF-relay networks <b>2015</b> ,		1
11	Polar Coordinate Based Modulation: Concept, Performance Analysis and System Design <b>2018</b> ,		1
10	Performance evaluation of underwater wireless optical communications links in the presence of different air bubble populations <b>2017</b> ,		1
9	Throughput maximization for cognitive radio networks using active cooperation and superposition coding <b>2014</b> ,		1
8	Cooperative joint precoding for relay enhanced cellular system: Design and performance evaluation <b>2011</b> ,		1
7	On the Performance of Dual-Hop RF-UWOC System <b>2020</b> ,		1
6	Design and experimental demonstration of mirror-aided non-imaging receiver for indoor MIMO-VLC systems <b>2016</b> ,		1
5	The Meta Distributions of Secrecy Rate for the Downlink NOMA Systems. <i>IEEE Wireless Communications Letters</i> , <b>2021</b> , 10, 291-295	5.9	1
4	On Secure NOMA-based Terrestrial and Aerial IoT Systems. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	1
3	Near-Optimal Downlink Precoding for Two-Tier Priority-Based Wireless Networks. <i>IEEE Transactions on Wireless Communications</i> , <b>2015</b> , 14, 628-638	9.6	
2	On the Diversity Enhancement and Power Balancing of Per-Subcarrier Transmit Antenna Selection in OFDM Systems. <i>IEEE Transactions on Vehicular Technology</i> , <b>2011</b> , 60, 2405-2410	6.8	
1	Efficient NOMA Design without Channel Phase Information using Amplitude-Coherent Detection. <i>IEEE Transactions on Communications</i> , <b>2021</b> , 1-1	6.9	