

Byung-Jun Jang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Design of a High-Gain Single Circular Patch Radiator With a Cavity-Backed Structure Using Multiple SIW Feeders for Monopulse DF-Applications. IEEE Access, 2022, 10, 13684-13692.	4.2	1
2	Principles and Trends of UWB Positioning Technology. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2022, 33, 1-11.	0.3	8
3	Implementation of a Bluetooth 5.1 Angle of Departure (AoD) Direction Finding System Using an Software-Defined Radio (SDR). The Journal of Korean Institute of Electromagnetic Engineering and Science, 2021, 32, 644-650.	0.3	0
4	Frequency Interference, Analysis Method, and Application Examples of Sub-GHz Frequency Band. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2021, 32, 1-9.	0.3	1
5	Design of an Array Antenna Consisting of Three Dual Antenna Sets with a Narrow Array Distance for Interference Mitigation. , 2020, , .		0
6	Design of a Monopulse System Using a Single Patch Radiator with a Simple Multi-Mode Substrate Integrated Waveguide Feeding Network. Applied Sciences (Switzerland), 2020, 10, 7224.	2.5	3
7	Design of Heterogenous Two-Element Array Antenna on an Electrically Thick Substrate for High Isolation and Low Pattern Correlation Using Modal Difference in Radiation Patterns. Applied Sciences (Switzerland), 2020, 10, 3916.	2.5	4
8	Switched Array Antenna Beamforming for Low-Power IoT Wireless Communication. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2020, 31, 713-720.	0.3	2
9	Transmit Diversity with Single Transmitter Using Switch and 180° Hybrid. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2020, 31, 721-728.	0.3	0
10	Direction Finding Technology: Tutorial, Review, and Research Prospects. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2019, 30, 607-617.	0.3	9
11	Distance Sensing of Moving Target with Frequency Control of 2.4 GHz Doppler Radar. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2019, 30, 152-159.	0.3	2
12	Distance Sensing of an RFID Tag Using RFID Reader Frequency Control. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2019, 30, 348-355.	0.3	0
13	TMA Direction Finding of a LoRa Device Using Chirp Characteristics. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2019, 30, 618-624.	0.3	0
14	Four-Beam Direction Finding Using Two-Element Monopulse Antenna and I/Q Demodulator. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2019, 30, 785-790.	0.3	2
15	Emulator to Generate Multiple Heterogeneous Interference Signal in Korean Unlicensed Band. , 2018, , .		0
16	Hybrid RSSI-AoA Positioning System with Single Time-Modulated Array Receiver for LoRa IoT. , 2018, , .		14
17	Design of Single-Layer Microstrip Antennas for Dual-Frequency-Band Ratio Adjustment with Circular Polarization Characteristics. Electromagnetics, 2017, 37, 224-232.	0.7	3
18	AoA-Based Local Positioning System Using a Time-Modulated Array. Journal of the Korean Institute of Electromagnetic Engineering and Science, 2017, 17, 181-185.	3.0	7

#	ARTICLE	IF	CITATIONS
19	Performance Analysis of a LoRa Device on Duty Cycle Local Regulation of Korean RFID/USN Frequency Band. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2017, 28, 113-119.	0.3	5
20	Performance Comparison and Its Verification of Spectrum Sharing Technologies Using Interference Load Concept. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2017, 28, 177-185.	0.3	1
21	Implementation of Real-Time Direction Finding System Using Time-Modulated Array with Two Antenna Elements and One USRP. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2017, 28, 347-350.	0.3	6
22	Software-Based Wireless Power Transfer Platform for Various Power Control Experiments. Energies, 2015, 8, 7677-7689.	3.1	14
23	Simultaneous data and power transmission in resonant wireless power system. , 2013, , .		20
24	Interference Analysis and Its Mitigation Policy Based on MAC Layer for Peaceful Co-Existence between Unlicensed Devices. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2013, 24, 841-848.	0.3	4
25	Design of Aircraft On-Glass Antennas Using a Coupled Feed Structure. IEEE Transactions on Antennas and Propagation, 2012, 60, 2088-2093.	5.1	16
26	Hardware-in-the-loop simulation of DC microgrid with Multi-Agent System for emergency demand response. , 2012, , .		3
27	MAXIMUM EIRP AND EMF ESTIMATION BASED ON OVER-THE-AIR MEASUREMENTS OF WCDMA PILOT CHANNEL. Progress in Electromagnetics Research C, 2012, 31, 215-228.	0.9	0
28	HF-BAND WIRELESS POWER TRANSFER SYSTEM: CONCEPT, ISSUES, AND DESIGN. Progress in Electromagnetics Research, 2012, 124, 211-231.	4.4	52
29	A NOVEL 10 GHZ SUPER-HETERODYNE BIO-RADAR SYSTEM BASED ON A FREQUENCY MULTIPLIER AND PHASE-LOCKED LOOP. Progress in Electromagnetics Research C, 2011, 19, 149-162.	0.9	4
30	2.4 GHz bio-radar system with improved performance by using phase-locked loop. Microwave and Optical Technology Letters, 2010, 52, 2074-2076.	1.4	10
31	Simple design method of wireless power transfer system using 13.56MHz loop antennas. , 2010, , .		10
32	Reverse-Link Interrogation Range of a UHF MIMO-RFID System in Nakagami- m Fading Channels. IEEE Transactions on Industrial Electronics, 2010, 57, 1468-1477.	7.9	50
33	Effects of Reader-to-Reader Interference on the UHF RFID Interrogation Range. IEEE Transactions on Industrial Electronics, 2009, 56, 2337-2346.	7.9	55
34	A 2.4 GHz Bio-Radar System with Small Size and Improved Noise Performance Using Single Circular-Polarized Antenna and PLL. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2009, 20, 1325-1332.	0.3	5
35	Range Correlation Effect on the Phase Noise of an UHF RFID Reader. IEEE Microwave and Wireless Components Letters, 2008, 18, 827-829.	3.2	9
36	INTERFERENCE ANALYSIS OF UHF RFID SYSTEMS. Progress in Electromagnetics Research B, 2008, 4, 115-126.	1.0	42

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37	Coexistence of RFID and USN Systems in the Frequency Bands 908.5~914MHz. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2008, 19, 647-656.	0.3	3
38	A Study on the Phase Diversity and Optimal I/Q Signal Combining Methods on a UHF RFID Receiver. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2008, 19, 442-450.	0.3	3
39	Analysis of phase noise requirements on local oscillator for RFID system considering range correlation. , 2007, , .		3
40	Analysis of phase noise requirements on local oscillator for RFID system considering range correlation. , 2007, , .		7
41	Low-Complexity and MAI-Robust Wireless Broadcasting System With Return Channel. IEEE Transactions on Broadcasting, 2006, 52, 71-76.	3.2	4
42	Voltage-controlled PIN diode attenuator with a temperature-compensation circuit. IEEE Microwave and Wireless Components Letters, 2003, 13, 7-9.	3.2	21
43	Millimeter Wave MMIC Low Noise Amplifiers Using a 0.15 um Commercial pHEMT Process. ETRI Journal, 2002, 24, 190-196.	2.0	25