Ic-Pyo Hong

List of Publications by Year
in descending order

70	432	933447 10	839539 18
papers	citations	h-index	g-index

70	70	70	378
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design of assemblyâ€type frequency selective surface structure using Legoâ€type blocks. Microwave and Optical Technology Letters, 2022, 64, 288.	1.4	1
2	RCS Estimation of Singly Curved Dielectric Shell Structure with PMCHWT Method and Experimental Verification. Sensors, 2022, 22, 734.	3.8	0
3	A 4Ã—4 digitally reconfigurable transmitarray: measurement of radiation patterns. IEICE Electronics Express, 2022, 19, 20210550-20210550.	0.8	2
4	Anti-Jamming RIS Communications Using DQN-Based Algorithm. IEEE Access, 2022, 10, 28422-28433.	4.2	11
5	Review of Intentional Electromagnetic Interference on UAV Sensor Modules and Experimental Study. Sensors, 2022, 22, 2384.	3.8	23
6	Design of Multi-Functional Transmitarray with Active Linear Polarization Conversion and Beam Steering Capabilities. Applied Sciences (Switzerland), 2022, 12, 4319.	2.5	4
7	Millimeter-Wave Band Frequency-Selective Radome Design with Angle of Incidence Stability. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2022, 33, 340-347.	0.3	0
8	Analysis of the electromagnetic properties of ecoâ€friendly transparent wood. Microwave and Optical Technology Letters, 2021, 63, 2237-2241.	1.4	7
9	Evaluation of Common Building Wall in See-Through-Wall Application of Ultra-wideband Synthetic Aperture Radar. Journal of Electrical Engineering and Technology, 2021, 16, 437-442.	2.0	1
10	Enhancing Secrecy Performance for NOMA Systems With Intelligent Reflecting Surface: Analysis and Optimization. IEEE Access, 2021, 9, 99060-99072.	4.2	3
11	RCS Feature Extraction Using Discretized Point Scatterer With Compressive Sensing. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 165-168.	4.0	3
12	Experimental Characterization of 2 Ã— 2 Electronically Reconfigurable 1 Bit Unit Cells for a Beamforming Transmitarray at X Band. Journal of Electromagnetic Engineering and Science, 2021, 21, 153-160.	1.8	22
13	Stepwise RF Measurement Method for the Analysis of Droneâ€™s Communication Signals. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2021, 32, 370-376.	0.3	4
14	Design of an Optical Transparent Absorber and Defect Diagnostics Analysis Based on Near-Field Measurement. Sensors, 2021, 21, 3076.	3.8	7
15	Design of Reconfigurable Frequency Selective Surface Structure Based on Lego Blocks. The Journal of Korean Institute of Information Technology, 2021, 19, 63-69.	0.3	0
16	Experimental Characterization of 2â€‰Ã—â€‰2 Electronically Reconfigurable Polarization Converter Unit Cells at X-Band. International Journal of Antennas and Propagation, 2021, 2021, 1-9.	1.2	5
17	Secrecy Performance of a Multi-NOMA-MIMO System in the UEH Relaying Network Using the PSO Algorithm. IEEE Access, 2021, 9, 2317-2331.	4.2	14
18	Digitally Reconfigurable Transmitarray With Beam-Steering and Polarization Switching Capabilities. IEEE Access, 2021, 9, 144140-144148.	4.2	11

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19	Material Thickness Classification Using Scattering Parameters, Dielectric Constants, and Machine Learning. Applied Sciences (Switzerland), 2021, 11, 10682.	2.5	3
20	Performance Analysis of IRS-Aided NOMA Communications in the Presence of Imperfect SIC. Journal of Electromagnetic Engineering and Science, 2021, 21, 341-350.	1.8	1
21	Design of Dual-Linear Polarization Converter in X-Band Using 3-D Printing Technique. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2021, 32, 1039-1044.	0.3	0
22	Design and Fabrication of Absorptive/Transmissive Radome Based on Lumped Elements Composed of Hybrid Composite Materials. IEEE Access, 2020, 8, 129576-129585.	4.2	6
23	Near-Field to Far-Field RCS Prediction on Arbitrary Scanning Surfaces Based on Spherical Wave Expansion. Sensors, 2020, 20, 7199.	3.8	3
24	Acceleration of Multilevel Characteristic Basis Function Method by Multilevel Multipole Approach. IEEE Transactions on Antennas and Propagation, 2020, 68, 7109-7120.	5.1	5
25	Secrecy Performance Analysis and Optimization of Intelligent Reflecting Surface-Aided Indoor Wireless Communications. IEEE Access, 2020, 8, 109440-109452.	4.2	18
26	Application of Metaheuristic Optimization Algorithm and 3D Printing Technique in 3D Bandpass Frequency Selective Structure. Journal of Electrical Engineering and Technology, 2020, 15, 795-801.	2.0	4
27	Secure Communication in Cooperative SWIPT NOMA Systems with Non-Linear Energy Harvesting and Friendly Jamming. Sensors, 2020, 20, 1047.	3.8	3
28	Design of Lightweight Acoustic Metastructures Operating at Low Frequency. The Journal of Korean Institute of Information Technology, 2020, 18, 59-67.	0.3	1
29	Practical absorptive frequency selective surface based on printed electronics technology for radome applications. Microwave and Optical Technology Letters, 2019, 61, 2709-2719.	1.4	3
30	Design of a Multi-Layered Reconfigurable Frequency Selective Surface Using Water Channels. Journal of Electrical Engineering and Technology, 2019, 14, 331-337.	2.0	3
31	Metaheuristic Optimization Techniques for an Electromagnetic Multilayer Radome Design. Journal of the Korean Institute of Electromagnetic Engineering and Science, 2019, 19, 31-36.	3.0	7
32	Near to Far Field Transformation Algorithm for RCS Analysis of Large Electrical Objects. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2019, 30, 791-798.	0.3	1
33	Design of Paper-Based Frequency Selective Surface with Ultra-Wideband Rejection. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2019, 30, 566-572.	0.3	0
34	Monostatic RCS Measurement for Transparent Conducting Oxide Coated Dielectric. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2019, 30, 762-769.	0.3	3
35	Design of a Triple Band Folded Dipole Antenna with Low SAR for GPS/WLAN Application. , 2018, , .		1
36	Design of a Hemispherical Reconfigurable Frequency Selective Surface Using Water Channels. IEEE Access, 2018, 6, 61445-61451.	4.2	6

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37	Design of Three-Dimensional Frequency Selective Structure With Replaceable Unit Structures Using a 3-D Printing Technique. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 2041-2045.	4.0	18
38	Block Size Optimization of CBFM for Scattering Problems. IEEE Transactions on Antennas and Propagation, 2018, 66, 5370-5377.	5.1	10
39	Design of a Mu-Near-Zero metamaterial for reducing the backward magnetic flux leakage of a wireless power transfer system. IEICE Electronics Express, 2018, 15, 20180641-20180641.	0.8	4
40	Security Paper Design with Frequency-Selective Structure for X-Band Electromagnetic Detection System. International Journal of Antennas and Propagation, 2018, 2018, 1-8.	1.2	1
41	Prediction of Crack Width and Shape of Concrete Structures Using Frequency Selective Surface Structure. The Journal of Korean Institute of Information Technology, 2018, 16, 59-66.	0.3	0
42	A Fast Computation Method of Far Field Interactions in CBFM for Electromagnetic Analysis of Large Structures. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2018, 29, 701-706.	0.3	2
43	Analysis of Frequency Response Characteristics of WLAN Frequency Bandstop Film Considering Temperature and Humidity Changes in Indoor Environment. The Journal of Korean Institute of Information Technology, 2018, 16, 51-57.	0.3	0
44	Design of a Patterned Soft Magnetic Structure to Reduce Magnetic Flux Leakage of Magnetic Induction Wireless Power Transfer Systems. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 1856-1863.	2.2	43
45	Reduction of wireless signals in indoor environments by using an active frequency selective wall based on spectrum sensing. International Journal of Communication Systems, 2017, 30, e3370.	2.5	3
46	Prediction of electromagnetic transmission properties using dielectric property modeling of foamed concrete containing BFS. Construction and Building Materials, 2017, 151, 650-660.	7.2	4
47	Improvement of communication performance in indoor environment using screen printed frequency selective film. , 2017, , .		1
48	Electromagnetic Shielding Characteristics of Eco-Friendly Foamed Concrete Wall. International Journal of Antennas and Propagation, 2017, 2017, 1-8.	1.2	1
49	Design of Active Frequency Selective Surface with Curved Composite Structures and Tunable Frequency Response. International Journal of Antennas and Propagation, 2017, 2017, 1-10.	1.2	6
50	Scalable Frequency Selective Surface with Stable Angles of Incidence on a Thin Flexible Substrate. International Journal of Antennas and Propagation, 2016, 2016, 1-6.	1.2	3
51	Design of X-band reconfigurable frequency selective surface with high isolation. IEICE Electronics Express, 2016, 13, 20160567-20160567.	0.8	5
52	Design of a paper-based reconfigurable frequency selective surface structure. IEICE Electronics Express, 2016, 13, 20160656-20160656.	0.8	4
53	Modified Sheet Inductance of Wire Mesh Using Effective Wire Spacing. IEEE Transactions on Electromagnetic Compatibility, 2016, 58, 911-914.	2.2	12
54	Fast scattering analysis over a wide frequency band using Clenshawâ€“Lordâ€type Padeâ€“Chebyshev approximation. IET Microwaves, Antennas and Propagation, 2016, 10, 245-250.	1.4	4

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55	Paper-based frequency selective surface for stable angle of incidence. IEICE Electronics Express, 2015, 12, 20150185-20150185.	0.8	1
56	Transparent electromagnetic absorber for stable angle of incidence. Microwave and Optical Technology Letters, 2015, 57, 2023-2025.	1.4	3
57	Analysis of FSS Radomes Based on Physical Optics Method and Ray Tracing Technique. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 868-871.	4.0	67
58	Scattering analysis of curved FSS using Floquet harmonics and asymptotic waveform evaluation technique. Steel and Composite Structures, 2014, 17, 561-572.	1.3	5
59	Design of Window Applicable Blind-type Frequency Selective Surface. Journal of Electrical Engineering and Technology, 2014, 9, 682-685.	2.0	1
60	Investigation of the Finite Planar Frequency Selective Surface with Defect Patterns. Journal of Electrical Engineering and Technology, 2014, 9, 1360-1364.	2.0	1
61	Design of a film antenna using a cloverleaf-shaped monopole structure for WiBro and WLAN. IEICE Electronics Express, 2012, 9, 654-659.	0.8	3
62	Design of a vertically stacked reconfigurable dipole antenna for a base station. Microwave and Optical Technology Letters, 2012, 54, 964-967.	1.4	0
63	Simple design method of FSS radome analysis using equivalent circuit model. IEICE Electronics Express, 2011, 8, 2002-2009.	0.8	15
64	Simple prediction of FSS radome transmission characteristics using an FSS equivalent circuit model. IEICE Electronics Express, 2011, 8, 89-95.	0.8	12
65	A novel band rejection filter of transmission line type using double spurâ€lines. Microwave and Optical Technology Letters, 2010, 52, 1880-1883.	1.4	7
66	Design of parallel-coupled bandpass filter with asymmetrical metallisation thickness. Electronics Letters, 1999, 35, 1751.	1.0	1
67	Quasistatic analysis of coupled coplanar waveguide traveling-wave electrodes for electro-optic modulators. Microwave and Optical Technology Letters, 1999, 20, 284-286.	1.4	2
68	Quasi-static analysis of coupled microstrip lines with asymmetrical finite metallization thickness. IEEE Transactions on Microwave Theory and Techniques, 1999, 47, 1739-1742.	4.6	4
69	Quasi-static analysis of conductor-backed coupled coplanar waveguide. Electronics Letters, 1998, 34, 1861.	1.0	1
70	Dispersion characteristics of a broadside-coupled coplanar waveguide. Electronics Letters, 1997, 33, 965.	1.0	2