

Hyun Ho Park

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	An Autonomous Coil Alignment System for the Dynamic Wireless Charging of Electric Vehicles to Minimize Lateral Misalignment. <i>Energies</i> , 2017, 10, 315.	3.1	62
2	Design of a Resonant Reactive Shield With Double Coils and a Phase Shifter for Wireless Charging of Electric Vehicles. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	2.1	56
3	A High-Sensitivity Electric Probe Based on Board-Level Edge Plating and LC Resonance. <i>IEEE Microwave and Wireless Components Letters</i> , 2014, 24, 908-910.	3.2	35
4	Generation of Magnetic Propulsion Force and Torque for Microrobot Using Wireless Power Transfer Coil. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	2.1	29
5	Reduction of Electromagnetic Noise Coupling to Antennas in Metal-Framed Smartphones Using Ferrite Sheets and Multi-Via EBG Structures. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2018, 60, 394-401.	2.2	25
6	A Component-Level Radio-Frequency Interference Evaluation Method for Mobile Devices. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2013, 55, 1358-1361.	2.2	20
7	A Simple Equivalent Circuit Model for Shielding Analysis of Magnetic Sheets Based on Microstrip Line Measurement. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4.	2.1	19
8	A Simple Method of Estimating the Radiated Emission From a Cable Attached to a Mobile Device. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2012, , 1-8.	2.2	18
9	An EMI Evaluation Method for Integrated Circuits in Mobile Devices. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2013, 55, 780-787.	2.2	15
10	A Novel IC-Stripline Design for Near-Field Shielding Measurement of On-Board Metallic Cans. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2017, 59, 710-716.	2.2	15
11	A Novel Shielding Effectiveness Matrix of Small Shield Cans Based on Equivalent Dipole Moments for Radio-Frequency Interference Analysis. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2016, 58, 766-775.	2.2	14
12	Assessment of Integrated Circuits Emissions With an Equivalent Dipole-Moment Method. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2017, 59, 633-638.	2.2	14
13	An Evaluation Method for Radiated Emissions of Components and Modules in Mobile Devices. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2014, 56, 1020-1026.	2.2	13
14	Magnetic Shielding Analysis of a Slit on a Conducting Plate Coated With a Ferrite Sheet: Transverse Incidence. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-6.	2.1	13
15	Effect of Air-Gap Between a Ferrite Plate and Metal Strips on Magnetic Shielding. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	2.1	12
16	Analytic Magnetic Shielding Effectiveness of Multiple Long Slots on a Metal Plate Using Rectangular Loops. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2020, 62, 1971-1979.	2.2	10
17	Simple shielding evaluation method of small shield cans on printed circuit boards in mobile devices. <i>Electronics Letters</i> , 2013, 49, 936-938.	1.0	9
18	Miniaturization of Implantable Micro-Robot Propulsion Using a Wireless Power Transfer System. <i>Micromachines</i> , 2017, 8, 269.	2.9	9

#	ARTICLE	IF	CITATIONS
19	Analysis of Quasistatic Magnetic Field Penetration into Multiple Slits in a Conducting Plane Loaded With a Ferrite Sheet. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 210-215.	2.2	8
20	Improvement of Low-Frequency Magnetic Shielding Measurement Using Rhombic and Long Rectangular Loop Antennas. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 1364-1368.	2.2	6
21	Impact of Absorbers on the Shielding Effectiveness of Metallic Rooms with Apertures. Electronics (Switzerland), 2021, 10, 237.	3.1	6
22	Shielding Effectiveness Measurement With Wide Dynamic Range for a Small Enclosure in a Nested Reverberation Chamber. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 1407-1416.	2.2	5
23	Quality Factor and Shielding Effectiveness Measurement of an Antenna-Free Enclosure in a Nested Reverberation Chamber. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 2358-2367.	2.2	4
24	Analytical Probe Factor Models for Rectangular Loop Probes Used in Near-Field Measurements. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 1781-1790.	2.2	4
25	A differential evolution based equivalent source approach for predicting electromagnetic emissions using near-field scanning. , 2013, , .		3
26	Electromagnetic Shielding Analysis of Multiply Bent Slots Using Generalized Scattering Matrices. IEEE Transactions on Electromagnetic Compatibility, 2013, 55, 1084-1092.	2.2	3
27	Electromagnetic Shielding Analysis of Multiple Slits on a Metal Plate Coated With a Ferrite Sheet. IEEE Transactions on Electromagnetic Compatibility, 2016, 58, 1448-1455.	2.2	3
28	Placement optimization of integrated circuits for reduced radio-frequency interferences in mobile devices. Microwave and Optical Technology Letters, 2016, 58, 31-37.	1.4	3
29	Low-Frequency Magnetic Shielding Analysis of a Metal Plate Without and With a Slot. , 2019, , .		3
30	Design of compact transition from conical to coaxial transmission lines with a low return loss. International Journal of Electronics, 2021, 108, 1426-1438.	1.4	3
31	Improvement in Shielding Effectiveness of Large Enclosures Using Electromagnetic Absorbers. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2022, 33, 164-167.	0.3	3
32	Magnetic shielding analysis of a multiply-slotted metal plate coated with a ferrite sheet in a periodic line current source. Journal of Magnetism and Magnetic Materials, 2015, 385, 250-256.	2.3	2
33	Magnetic Shielding Analysis of Bent Slot Loaded With High Permeability Materials. IEEE Transactions on Magnetics, 2018, 54, 1-7.	2.1	2
34	Improvement of shielding measurement for small-sized enclosures with consideration to the shielding quality of antenna cables. Microwave and Optical Technology Letters, 2021, 63, 1483-1488.	1.4	2
35	Analysis of Electromagnetic Pulse Penetration Into Multiply-Bent Slots by an Equivalent Circuit Model. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 899-902.	4.0	1
36	Zero-Height and Broadband Magnetic Dipole Source Generation for Board Level Shield Can Evaluation. IEEE Transactions on Electromagnetic Compatibility, 2019, 61, 1860-1866.	2.2	1

#	ARTICLE	IF	CITATIONS
37	A Novel Waveguide-Below-Cutoff Structure With an Extended Cutoff Frequency. IEEE Microwave and Wireless Components Letters, 2020, 30, 857-860.	3.2	1
38	Analysis of Low-Frequency Magnetic SE of a Metal Plate: Diffusion and Slot Effects. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2019, 30, 324-327.	0.3	1
39	Improvement of Magnetic SE Measurement of Shielded Rooms Using Rectangular Loop Antennas. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2019, 30, 320-323.	0.3	1
40	Design of an ASTM D4935 Jig with a Low Reflection Loss. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2020, 31, 567-570.	0.3	1
41	Analytical Magnetic Shielding Calculation of a Slotted Conducting Plate Between Coplanar Circular Loops. IEEE Transactions on Electromagnetic Compatibility, 2022, 64, 378-385.	2.2	1
42	Transmission Line Modelling of Strip-Mesh Screens Coated with Ferrite Sheet. , 2016, , .		0
43	A simple estimation of TRP and radiation pattern for mobile antennas using planar near-field scanning method. Microwave and Optical Technology Letters, 2016, 58, 1437-1443.	1.4	0
44	Steerable Electromagnetic Transmission of Metal Gratings on a Magnetized Ferrite Slab. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	0
45	Analytical Model of Electromagnetic Radiation from a Slot on Conducting Plate Excited by Common-Mode Current of a Cable. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2020, 31, 651-654.	0.3	0