

Jeong-Hae Lee

List of Publications by Year in descending order

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107
papers

1,307
citations

516710

16
h-index

361022

35
g-index

107
all docs

107
docs citations

107
times ranked

837
citing authors

#	ARTICLE	IF	CITATIONS
1	Epsilon Negative Zeroth-Order Resonator Antenna. IEEE Transactions on Antennas and Propagation, 2007, 55, 3710-3712.	5.1	220
2	Mu-Zero Resonance Antenna. IEEE Transactions on Antennas and Propagation, 2010, 58, 1865-1875.	5.1	138
3	Omnidirectional Circularly Polarized Antenna Utilizing Zeroth-Order Resonance of Epsilon Negative Transmission Line. IEEE Transactions on Antennas and Propagation, 2011, 59, 2717-2721.	5.1	133
4	Zeroth Order Resonance Loop Antenna. IEEE Transactions on Antennas and Propagation, 2007, 55, 994-997.	5.1	112
5	Dual-Band Omnidirectional Circularly Polarized Antenna Using Zeroth- and First-Order Modes. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 407-410.	4.0	82
6	Hybrid Zeroth-Order Resonance Patch Antenna With Broad EE -Plane Beamwidth. IEEE Transactions on Antennas and Propagation, 2013, 61, 19-25.	5.1	59
7	Dual-Band Circularly Polarized Patch Antenna With First Positive and Negative Modes. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1165-1168.	4.0	56
8	DGS Dual Composite Right/Left Handed Transmission Line. IEEE Microwave and Wireless Components Letters, 2008, 18, 434-436.	3.2	27
9	A partial H-plane waveguide as a new type of compact waveguide. Microwave and Optical Technology Letters, 2004, 43, 426-428.	1.4	26
10	Design of a transmissive metasurface antenna using deep neural networks. Optical Materials Express, 2021, 11, 2310.	3.0	24
11	Near-Field Beamforming Loop Array for Selective Wireless Power Transfer. IEEE Microwave and Wireless Components Letters, 2015, 25, 748-750.	3.2	21
12	Compact Circularly Polarized Antenna With Wide 3-dB Axial-Ratio Beamwidth. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 410-413.	4.0	21
13	Beam Scanning Leaky-Wave Slot Antenna Using Balanced CRLH Waveguide Operating Above the Cutoff Frequency. IEEE Transactions on Antennas and Propagation, 2013, 61, 2432-2440.	5.1	20
14	Multiband antenna using $+1$, \hat{a}^{-1} , and 0 resonant mode of DGS dual composite right/left handed transmission line. Microwave and Optical Technology Letters, 2009, 51, 2485-2488.	1.4	19
15	Electrically Small MNG ZOR Antenna With Multilayered Conductor. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 724-727.	4.0	19
16	Effective medium approach of left-handed material using a dispersive FDTD method. IEEE Transactions on Magnetics, 2005, 41, 1484-1487.	2.1	18
17	Partial H-plane filters with partially inserted H-plane metal vane. IEEE Microwave and Wireless Components Letters, 2005, 15, 351-353.	3.2	16
18	Linear lumped loads in the FDTD method using piecewise linear recursive convolution method. IEEE Microwave and Wireless Components Letters, 2006, 16, 158-160.	3.2	16

#	ARTICLE	IF	CITATIONS
19	Partial SH -Plane Filters With Multiple Transmission Zeros. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 1693-1698.	4.6	16
20	Ultrawideband electromagnetic metamaterial absorber utilizing coherent absorptions and surface plasmon polaritons based on double layer carbon metapatterns. Scientific Reports, 2021, 11, 23045.	3.3	15
21	Suppression of spurious radiations of patch antennas using split-ring resonators (SRRs). Microwave and Optical Technology Letters, 2006, 48, 283-287.	1.4	14
22	Compact Resonant Slot Array Antenna Using Partial H-Plane Waveguide. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 530-533.	4.0	13
23	Measurement of dielectric and radiation losses for flexible circular dielectric waveguides in Q-band. Microwave and Optical Technology Letters, 2002, 35, 102-106.	1.4	11
24	High order bandpass filter using the first negative resonant mode of composite right/left-handed transmission line. Microwave and Optical Technology Letters, 2009, 51, 1182-1185.	1.4	11
25	Mode Reconfigurable Resonators Insensitive to Alignment for Magnetic Resonance Wireless Power Transmission. IEEE Microwave and Wireless Components Letters, 2014, 24, 59-61.	3.2	11
26	Beam pattern reconfigurable circularly polarized transmitarray antenna by rearrangement of sources. Microwave and Optical Technology Letters, 2019, 61, 999-1003.	1.4	10
27	Design of Broadband and Wide-Angle Hexagonal Metamaterial Absorber Based on Optimal Tiling of Rhombus Carbon Pixels and Implantation of Copper Cylinders. Symmetry, 2021, 13, 2045.	2.2	9
28	A novel via-free composite right- and left-handed transmission line using defected ground structure. Microwave and Optical Technology Letters, 2007, 49, 1989-1993.	1.4	8
29	Wideband folded mushroom zeroth-order resonance antenna. IET Microwaves, Antennas and Propagation, 2013, 7, 79-84.	1.4	8
30	SAR Reduction Using Integration of PIFA and AMC Structure for Pentaband Mobile Terminals. International Journal of Antennas and Propagation, 2017, 2017, 1-7.	1.2	8
31	Parallel Coupled Bandstop Filter Using Double Negative Coupled Transmission Line. IEEE Microwave and Wireless Components Letters, 2007, 17, 283-285.	3.2	7
32	Composite right/left-handed-coupled line bandpass filter using the first negative resonant mode. Microwave and Optical Technology Letters, 2011, 53, 943-947.	1.4	7
33	Investigation on Wireless Link for Medical Telemetry Including Impedance Matching of Implanted Antennas. Sensors, 2021, 21, 1431.	3.8	7
34	Optimum design of Wpt relay system by controlling capacitance. Microwave and Optical Technology Letters, 2014, 56, 1658-1661.	1.4	6
35	Enhancement of wireless power transfer efficiency using flat conductor with ferrite wall. Microwave and Optical Technology Letters, 2015, 57, 2371-2373.	1.4	6
36	Millimeter-wave wide beamwidth aperture-coupled antenna designed by mode synthesis. Microwave and Optical Technology Letters, 2015, 57, 1255-1259.	1.4	6

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37	Backward-wave directional coupler with complete coupling and broadband using conventional microstrip and 1D mushroom structure. <i>Microwave and Optical Technology Letters</i> , 2006, 48, 1293-1296.	1.4	5
38	Omnidirectional circularly polarized antenna based on meta material transmission line. , 2009, , .		5
39	Enhanced efficiency for wireless power transmission using an auxiliary loop on ferrite in metallic environment. <i>Electronics Letters</i> , 2015, 51, 2039-2041.	1.0	5
40	Suppression of Spurious Radiations of Patch Antenna Using Split Ring Resonators (SRRs). , 0, , .		4
41	Miniaturized ENG ZOR antenna with high permeability material. , 2010, , .		4
42	Dual-band circularly polarized hybrid metamaterial patch antenna. , 2013, , .		4
43	Sharp Fano Resonance and Spectral Collapse in Stimuliâ€Responsive Photonic Structures. <i>Advanced Optical Materials</i> , 2019, 7, 1801206.	7.3	4
44	2-D Beam Focusing Control Based on Passive Frequency Selective Surface (FSS). <i>Electronics (Switzerland)</i> , 2021, 10, 1938.	3.1	4
45	Grounded-moating and shielding for noise-coupling reduction between adjacent packages and MCMs. <i>Microwave and Optical Technology Letters</i> , 2005, 45, 557-559.	1.4	3
46	Quarter Wavelength Resonator Partial H-plane Filter. , 2006, , .		3
47	High order bandpass filter using the first negative resonant mode of composite right/left-handed transmission line. , 2008, , .		3
48	Generalized negativeâ€refractive index transmission line based on defected ground structure. <i>Microwave and Optical Technology Letters</i> , 2010, 52, 2223-2225.	1.4	3
49	Modified muâ€zero resonator for efficient wireless power transfer. <i>IET Microwaves, Antennas and Propagation</i> , 2014, 8, 912-920.	1.4	3
50	Inner-Field Guiding Resonator for Efficient Wireless Power Transmission in Proximity Charging Condition. <i>IEEE Transactions on Antennas and Propagation</i> , 2015, 63, 2064-2070.	5.1	3
51	Directional monopole antenna using half PMC and PEC ground plane. <i>Microwave and Optical Technology Letters</i> , 2018, 60, 979-983.	1.4	3
52	Wide Angle Scanning Circular Polarized Meta-Structured Antenna Array. <i>IEICE Transactions on Communications</i> , 2018, E101.B, 2017-2023.	0.7	3
53	Efficient Conformal Retrodirective Metagrating Operating Simultaneously at Multiple Azimuthal Angles. <i>IEICE Transactions on Communications</i> , 2021, E104.B, 73-79.	0.7	3
54	Demonstration of Three-Dimensional Near-Field Beamforming by Planar Loop Array for Magnetic Resonance Wireless Power Transfer. <i>IEICE Transactions on Communications</i> , 2017, E100.B, 1449-1453.	0.7	3

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55	Tutorial: Reconfigurable Transmitarray Antenna Using Metasurface. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2020, 31, 663-676.	0.3	3
56	Multi-pole gap-coupled unidirectional dielectric radiator in the millimeter-wave band. Microwave and Optical Technology Letters, 2003, 38, 498-501.	1.4	2
57	Broadband Wilkinson balun using pure left-handed transmission line. Microwave and Optical Technology Letters, 2010, 52, 1665-1668.	1.4	2
58	Accurate analysis method of wireless power transfer system with multiple relays. , 2013, , .		2
59	Improvement of isolation and envelop correlation coefficient using C-loaded $\hat{\mu}$ /4 loop antenna on hollow ground. Microwave and Optical Technology Letters, 2016, 58, 2189-2194.	1.4	2
60	Enhanced bandwidth of dual ZOR antenna for multiband applications. , 2016, , .		2
61	Active element pattern and array pattern of patch array antenna including ground edge effect. , 2017, , .		2
62	Low-profile Fabry-Perot cavity (FPC) antenna using meta-surface for dual-band. , 2017, , .		2
63	Nonuniform Amplitude Transmitarray for Multibeam Including Near-Field Focusing. IEEE Transactions on Antennas and Propagation, 2023, 71, 361-367.	5.1	2
64	Triple-Band Uniform Circular Array Antenna for a Multi-Functional Radar System. Electronics (Switzerland), 2021, 10, 1488.	3.1	2
65	Design of a nonradiative dielectric Rotman lens in the millimeter wave frequency. , 0, , .		1
66	Measurement of group velocities of various microwave transmission lines via FM reflectometry. , 0, , .		1
67	Optimization of A Microstrip Directional Coupler with High Performance Using Evolution Strategy. , 2002, , .		1
68	Broadband gap-coupled unidirectional dielectric radiator (UDR) in the millimeter wave band. , 0, , .		1
69	Dispersion characteristics of dispersive double negative (DNG) metamaterial columns. , 2004, , .		1
70	A Novel Planar Left-Handed Transmission Line using Grounded Rectangular Patch with Meander Line. , 2006, , .		1
71	Low-profile Omnidirectional Zeroth-order Resonator (ZOR) Antenna. , 2006, , .		1
72	Partial H-plane filter with attenuation pole. , 2007, , .		1

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73	A novel planar left-handed transmission line using defected ground structure with inter-digital gap. , 2007, , .		1
74	A zeroth-order resonator antenna using epsilon negative meta-structured transmission line. , 2007, , .		1
75	Multi-band antenna using dual composite right/left handed transmission line. , 2008, , .		1
76	Broadband left-handed waveguide with double L-shaped short stubs and E-plane posts. , 2011, , .		1
77	Dual-band omnidirectional circularly polarized antenna utilizing epsilon negative transmission line. , 2012, , .		1
78	Circularly polarized antenna based on mu-negative transmission line. , 2014, , .		1
79	Circularly polarized antennas based on metamaterial transmission lines. , 2015, , .		1
80	Dual band omnidirectional circularly polarized antenna using <scp>EZR</scp> and <scp>MZR</scp> modes. Microwave and Optical Technology Letters, 2018, 60, 1577-1581.	1.4	1
81	Printed $\lambda/4$ folded monopole with printed circuit board slot for penta-band. Electromagnetics, 2018, 38, 380-389.	0.7	1
82	High isolation circularly polarized (CP) antennas using compact soft surface. Electromagnetics, 2018, 38, 328-337.	0.7	1
83	Compact dual band circularly polarized meta-structured antenna for GPS application. Microwave and Optical Technology Letters, 2020, 62, 3945-3951.	1.4	1
84	Low Profile High-Efficiency Transmitarray Antenna Based on Hybrid Frequency Selective Surface. IEICE Transactions on Communications, 2021, E104.B, 49-54.	0.7	1
85	Low-profile high efficiency transmitarray antenna using optimized phase compensation surface (PCS) and PEC sidewalls. ICT Express, 2021, 7, 501-506.	4.8	1
86	Measurement of dispersion characteristics of periodically loaded conducting posts in a rectangular waveguide [for gyro-TWT]. , 0, , .		0
87	Loss characteristics of flexible cylindrical dielectric waveguides in millimeter wave band. , 0, , .		0
88	Measurements on dielectric and radiation loss of flexible circular dielectric waveguides in Q-band. , 0, , .		0
89	Analyzing the characteristics of periodic structures in leaky NRD guide using FDTD method. , 0, , .		0
90	Nonradiative dielectric (NRD) rotman lens with gap-coupled unidirectional dielectric radiator (UDR). , 0, , .		0

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91	Design of partial H-plane filter: a new type of H-plane filter. , 2004, , .		0
92	Leaky Mode Characteristics of Plasma Column Waveguides. , 0, , .		0
93	Guided electromagnetic modes along circular air holes with dispersive metamaterial claddings. , 2006, , .		0
94	Dual band antennas using metamaterial transmission lines. , 2008, , .		0
95	Slot array antenna using partial H-plane waveguide. , 2009, , .		0
96	Flood E-plane beamwidth zeroth-order resonance patch antenna. , 2012, , .		0
97	Broadband left-handed rectangular waveguide using a shorted stub and twisted E-plane posts. Microwave and Optical Technology Letters, 2013, 55, 835-840.	1.4	0
98	Resonators insensitive to alignment for wireless power transmission. , 2013, , .		0
99	Vertical ZOR Antenna Array With omnidirectionally steerable patterns. , 2015, , .		0
100	Beamforming planar loop array for wireless power transfer. , 2015, , .		0
101	Near-field beamforming planar loop array for misaligned wireless power transfer. , 2016, , .		0
102	Design of multi-port one-radiator antenna for octa-band mobile terminals. Microwave and Optical Technology Letters, 2017, 59, 2692-2695.	1.4	0
103	Symmetrical metal-rimmed mobile antenna with decoupling network for penta-band. Microwave and Optical Technology Letters, 2018, 60, 2724-2730.	1.4	0
104	Multiband Antenna Based on Meta-Structured Transmission Line for RF Harvesting Application. IEICE Transactions on Communications, 2018, E101.B, 1701-1707.	0.7	0
105	Low-profile TM incident retrodirective metasurface based on generalized sheet transition conditions and Babinet's principle. Microwave and Optical Technology Letters, 2020, 62, 1981-1986.	1.4	0
106	Revisiting the Analysis of Radiative Mid-Range Wireless Link for Pacemakers. Sensors, 2022, 22, 947.	3.8	0
107	Efficient Magnetic Resonance SIMO WPT Insensitive to Load Impedance at Short Distances. IEEE Microwave and Wireless Components Letters, 2022, , 1-4.	3.2	0