

# Hee-Ran Ahn

## List of Publications by Year in descending order

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415  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coupled Lines for Wearable Power Dividers: Coupled Transmission-Line Sections for Power Dividers in Wearable and Flexible RF Electronics. IEEE Microwave Magazine, 2020, 21, 66-87.	0.8	3
2	Complex Impedance Transformers: Their Use in Designing Various Ultracompact and Wideband Power Dividers. IEEE Microwave Magazine, 2020, 21, 53-64.	0.8	3
3	Notice of Retraction: Comments on "A Modified Gysel Power Divider of Arbitrary Power Ratio and Real Termination Impedances". IEEE Microwave and Wireless Components Letters, 2020, 30, 621-623.	3.2	0
4	A Novel Compact Isolation Circuit Suitable for Ultracompact and Wideband Marchand Baluns. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2299-2303.	3.0	10
5	Wideband and Compact Impedance-Transforming 90° DC Blocks With Symmetric Coupled Transmission-Line Sections. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 80-87.	2.5	6
6	Notice of Retraction: Comments on "Novel Sub-Miniaturized Wilkinson Power Divider Based on Small Phase Delay". IEEE Microwave and Wireless Components Letters, 2019, 29, 439-439.	3.2	3
7	Ultra-Compact and Wideband V(U)HF 3-dB Power Dividers Consisting of Novel Asymmetric Impedance Transformers. IEEE Access, 2019, 7, 76367-76375.	4.2	5
8	Notice of Retraction: Comments on "A Theorem on Asymmetric Structure Based Rat-Race Coupler". IEEE Microwave and Wireless Components Letters, 2019, 29, 696-698.	3.2	3
9	Notice of Retraction: Comments on "A Universal Approach for Designing an Unequal Branch-Line Coupler With Arbitrary Phase Differences and Input/Output Impedances". IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 1208-1209.	2.5	5
10	Complex Impedance Transformers Based on Allowed and Forbidden Regions. IEEE Access, 2019, 7, 39288-39298.	4.2	9
11	In-Phase T-Junction: Study and Application to Gysel Power Dividers for High Power-Division Ratios Requiring No High-Impedance Transmission-Line Section. IEEE Access, 2019, 7, 18146-18154.	4.2	18
12	Compact and Wideband General Coupled-Line Ring Hybrids (GCRHs) for Arbitrary Circumferences and Arbitrary Power-Division Ratios. IEEE Access, 2019, 7, 33414-33423.	4.2	13
13	Arbitrary Power-Division Branch-Line Hybrids for High-Performance, Wideband, and Selective HarmonicSuppressions From $\frac{2f_0}{2f_0}$ . IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 978-987.	4.6	17
14	Notice of Retraction: Comments on "Coupling Coefficient Reconfigurable Wideband Branch-Line Coupler Topology With Harmonic Suppression". IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 834-834.	4.6	0
15	Balanced-to-unbalanced power dividers for arbitrary power division ratios and for arbitrary real termination impedances. IET Microwaves, Antennas and Propagation, 2019, 13, 904-910.	1.4	3
16	Novel Generic Asymmetric and Symmetric Equivalent Circuits of 90° Coupled Transmission-Line Sections Applicable to Marchand Baluns. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 746-760.	4.6	24
17	A Novel Wideband Compact Microstrip Coupled-Line Ring Hybrid for Arbitrarily High Power-Division Ratios. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 630-634.	3.0	17
18	Notice of Retraction: Comments on "On-Chip Miniaturized Diplexer Using Joint Dual-Mode Right-/Left-Handed Synthesized Coplanar Waveguides on GIPD Process". IEEE Microwave and Wireless Components Letters, 2016, 26, 380-382.	3.2	3

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19	Compact CVT-/CCT-Unequal Power Dividers for High-Power Division Ratios and Design Methods for Arbitrary Phase Differences. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2954-2964.	4.6	27
20	Reply to "Comments on Reply to Comments on "Wideband Coupled-Line Filters With High-Impedance Short-Circuited Stubs". IEEE Microwave and Wireless Components Letters, 2014, 24, 357-359.	3.2	2
21	Compact UHF 3 dB MCCT Power Dividers. IEEE Microwave and Wireless Components Letters, 2014, 24, 445-447.	3.2	11
22	3-dB Power Dividers With Equal Complex Termination Impedances and Design Methods for Controlling Isolation Circuits. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3872-3883.	4.6	28
23	Comments on "A Rigorous Design Methodology for Compact Planar Branch-Line and Rat-Race Couplers With Asymmetrical Structures". IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1728-1729.	4.6	5
24	Compact Microstrip 3-dB Coupled-Line Ring and Branch-Line Hybrids With New Symmetric Equivalent Circuits. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1067-1078.	4.6	70
25	Wideband Microstrip Coupled-Line Ring Hybrids for High Power-Division Ratios. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1768-1780.	4.6	41
26	Design Method for Butterworth-Cheby Bandpass Filters With Even Number of Resonators. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 1549-1559.	4.6	4
27	Complex Impedance Transformers Consisting of Only Transmission-Line Sections. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 2073-2084.	4.6	32
28	Compact impedance-transforming 3-dB three-port power dividers with modified asymmetric impedance transformers (MCCTs)., 2011, , .		0
29	Modified Asymmetric Impedance Transformers (MCCTs and MCVTs) and Their Application to Impedance-Transforming Three-Port 3-dB Power Dividers. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 3312-3321.	4.6	22
30	Wideband Coupled-Line Microstrip Filters With High-Impedance Short-Circuited Stubs. IEEE Microwave and Wireless Components Letters, 2011, 21, 586-588.	3.2	16
31	Corrections to "Impedance-Transforming Symmetric and Asymmetric DC Blocks". [Sep 10 2463-2474]. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 207-207.	4.6	5
32	Comments on "Bandwidth-Compensation Method for Miniaturized Parallel Coupled-Line Filters. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2369-2369.	4.6	0
33	New Design Formulas for Impedance-Transforming 3-dB Marchand Baluns. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2816-2823.	4.6	56
34	Impedance-Transforming Symmetric and Asymmetric DC Blocks. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2463-2474.	4.6	40
35	New Isolation Circuits of Compact Impedance-Transforming 3-dB Baluns for Theoretically Perfect Isolation and Matching. IEEE Transactions on Microwave Theory and Techniques, 2010, , .	4.6	20
36	Small Wideband Coupled-Line Ring Hybrids With No Restriction on Coupling Power. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 1806-1817.	4.6	40

#	ARTICLE	IF	CITATIONS
37	Toward Integrated Circuit Size Reduction. IEEE Microwave Magazine, 2008, 9, 65-75.	0.8	46
38	Modified Small Asymmetric Impedance Transformers. , 2008, , .		5
39	A ring filter switch for a low loss wideband and very sharp bandstop filter. Microwave and Optical Technology Letters, 2007, 49, 2828-2830.	1.4	1
40	Coupling-compensated 180° phase shift coupled-Line filters terminated in arbitrary impedances. , 2006, , .		4
41	Capacitive-Loaded Interstitial Antennas for Perfect Matching and Desirable SAR Distributions. IEEE Transactions on Biomedical Engineering, 2006, 53, 284-291.	4.2	2
42	Comments on "Converting baluns into broad-band impedance-transforming 180° hybrids". IEEE Transactions on Microwave Theory and Techniques, 2004, 52, 228-230.	4.6	7
43	Asymmetric ring-hybrid phase shifters and attenuators. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 1146-1155.	4.6	24
44	Arbitrary termination impedances, arbitrary power division, and small-sized ring hybrids. IEEE Transactions on Microwave Theory and Techniques, 1997, 45, 2241-2247.	4.6	48
45	Small-sized wideband CVT- and CCT-ring filters. , 0, , .		2
46	General design equations of N-way arbitrary power dividers. , 0, , .		12