

Sungtek Kahng

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

212
citations

1684188

5
h-index

1281871

11
g-index

65
all docs

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docs citations

65
times ranked

164
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of an Internal Multiresonant Monopole Antenna for GSM900/DCS1800/US-PCS/S-DMB Operation. IEEE Transactions on Antennas and Propagation, 2008, 56, 1437-1443.	5.1	39
2	Wideband 5G beamforming printed array cluttered by LTE 4-4 multiple input multiple output antennas with high isolation. IET Microwaves, Antennas and Propagation, 2018, 12, 1407-1413.	1.4	31
3	Design of the UWB bandPass filter based on the 1 cell of microstrip CRLH-TL. , 2008, , .		16
4	A Compact MIMO Antenna using CRLH Configuration Double-Layered Folded Ring Radiations with Planar Mushroom Decoupling Structure. IEEE Antennas and Propagation Magazine, 2015, 57, 123-130.	1.4	15
5	Developing the 150%-FBW Ku-Band Linear Equalizer. , 2007, , .		6
6	Wide-band power divider miniaturized by combining CRLH ZOR bandpass filters. , 2012, , .		6
7	A Fully-Printed CRLH Dual-Band Dipole Antenna Fed by a Compact CRLH Dual-Band Balun. Sensors, 2020, 20, 4991.	3.8	6
8	A novel metamaterial CRLH ZOR microstrip patch antenna capacitively coupled to a rectangular ring. , 2010, , .		5
9	Design of metasurface-backed printed dipoles. , 2016, , .		5
10	RF Channel-Selectivity Sensing by a Small Antenna of Metamaterial Channel Filters for 5G Sub-6-GHz Bands. Sensors, 2020, 20, 1989.	3.8	5
11	Dual-band Dipole Antenna for ISO 18000-6/ISO 18000-4 Passive RFID Tag Applications. , 2006, , .		4
12	Left-Handedness based Bandpass Filter Design for RFID UHF-Band applications. , 2007, , .		4
13	Realized Metamaterial CRLH Bandpass Filter for UHF-Band WLAN with Harmonics Suppressed. , 2008, , .		4
14	Design of dualband metamaterial bandpass filter using zeroth order resonance. , 2009, , .		4
15	A novel metamaterial CRLH ZOR microstrip patch antenna capacitively coupled to a rectangular ring. , 2010, , .		4
16	A novel metamaterial CRLH ZOR circular patch antenna capacitively coupled to a circular ring. , 2011, , .		4
17	Design of a miniaturized UHF-band Zigbee antenna applicable to the M2M/IoT communication. , 2014, , .		4
18	Improved isolation between closely spaced multiple dipole antennas using a metasurface structure. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
19	Tunable Control of Mie Resonances Based on Hybrid VO ₂ and Dielectric Metamaterial. <i>Symmetry</i> , 2018, 10, 423.	2.2	4
20	A stacked array antenna able to make a very large gain and tilt the end-fire beam at the ISM-band. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2019, 29, e21821.	1.2	4
21	A Chip Antenna for Bluetooth Earphones with Cross-Head Interference Tested from Received-Signal Sensing. <i>Sensors</i> , 2022, 22, 3969.	3.8	4
22	Analysis and design of frequency selectivity by layered EBG and metamaterial structure. <i>Electronic Materials Letters</i> , 2013, 9, 561-564.	2.2	3
23	Broadband Tunable Third-Order IMD Cancellation Using Left-Handed Transmission-Line-Based Phase Shifter. <i>IEEE Microwave and Wireless Components Letters</i> , 2015, 25, 478-480.	3.2	3
24	A thin and short VHF wideband filter using CPW CRLH transmission line. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2018, 28, e21415.	1.2	3
25	Investigation on Beam Alignment of a Microstrip-Line Butler Matrix and an SIW Butler Matrix for 5G Beamforming Antennas through RF-to-RF Wireless Sensing and 64-QAM Tests. <i>Sensors</i> , 2021, 21, 6830.	3.8	3
26	Design of Wideband SIW Beamforming Circularly Polarized Antennas for 5G-band. , 2019, , .		3
27	Widened bandwidth of a metamaterial ZOR patch antenna with a short-circuited ring. , 2011, , .		2
28	Low band UWB BPF using CRLH-TL metamaterial structure. , 2011, , .		2
29	A metamaterial-inspired handset antenna with the SAR reduction. , 2012, , .		2
30	Quick SAR measurement system by 2D array E-field sensors. , 2013, , .		2
31	Nature-Inspired High-Directivity Microstrip Antennas: Fractals and Genetics. , 2016, , .		2
32	A 4 × 4 MIMO multiband antenna system with non-resonant elements for smartphone platforms. , 2017, , .		2
33	A Planar Millimeter-Wave Resonator-Array to Sense the Permittivity of COP Film with the 5G Handset Back-Cover. <i>Sensors</i> , 2021, 21, 4316.	3.8	2
34	Correlated effects of decoupling capacitors and vias loaded in the PCB power-bus. , 2006, , .		1
35	GA-optimization for finding decoupling capacitors to damp the rectangular power-bus resonances. , 2007, , .		1
36	The S-band quadrafililar antenna on a satellite with the little backradiation and flat forward pattern designed by GA optimization. <i>Digest / IEEE Antennas and Propagation Society International Symposium</i> , 2009, , .	0.0	1

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37	Compact MIMO antenna of the open-loop and meandered-line 1-layer radiators with improved isolation. , 2012, , .		1
38	Novel and compact open-ended CRLH-TL notch filter. International Journal of RF and Microwave Computer-Aided Engineering, 2016, 26, 247-253.	1.2	1
39	An Efficient Design Method of RF Filters via Optimized Rational-Function Fitting, without Coupling-Coefficient Similarity Transformation. , 0, , .		0
40	Analysis on the Radiated Emission from the DC Power-Bus by a Fast Calculation Technique. , 0, , .		0
41	Differential signaling scheme for the rectangular power-bus to reduce the edge radiation. , 2006, , .		0
42	A Multi-Expression Programming Application to the Design of Planar Antennae. , 0, , .		0
43	A differential-signaling analysis with the decoupling-capacitor loaded rectangular power-bus by a fast calculation method. , 2006, , .		0
44	Efficient evaluation of a 2-feed method to reduce fields along the edge of the power/ground planes. , 2006, , .		0
45	Study on the Multi-Feed Method to improve the On-Edge Fields of the DC Power-Bus by a Fast Calculation Technique. , 0, , .		0
46	Estimation of radiated emission from the power/ ground planes and its reduction using an improved calculation method. , 2006, , .		0
47	Computational method hybridizing 2D periodic greenâ€™s functions and DCIM for the strips in layered media. , 2007, , .		0
48	Study on the mitigation of the resonance due to the power-bus structure using periodic metal-strip loaded sheets. , 2008, , .		0
49	Improving the stopband of the UWB bandpass filter with a novel compact 1-cell CRLHTL geometry with additional nulls. , 2009, , .		0
50	Design of a modified monopole antenna for the quadband communication. , 2009, , .		0
51	Real-coefficient AFS derived for the equivalent circuit modelling of RF passives. , 2010, , .		0
52	Improved equivalent circuit modeling for RF components by the real-coefficient adaptive frequency sampling technique. , 2010, , .		0
53	GA-optimiation to damp the resonance of large power/ground planes, combined with Adaptive Frequency Sampling. , 2010, , .		0
54	Equivalent circuit model order reduction by real-coefficient AFS. , 2011, , .		0

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55	Novel common-mode current detector using metamaterial CRLH transmission-line structure. , 2012, , .		0
56	Compact UHF 5th-Order bandpass filter with sharp skirt. , 2012, , .		0
57	The design of CRLH-based compact LTE MIMO antennas. , 2012, , .		0
58	Metamaterial-based planar waveguide filters and components for light-weight multi-channel vehicular transceivers. , 2013, , .		0
59	Antenna design for 4-by-4 MIMO communication. , 2016, , .		0
60	A UAV-Mountable Flat Array Antenna System. , 2019, , .		0
61	A Compact EBG for High Isolation Between Two Very Closeby Wire-Antennas for RFID Tags. , 2019, , .		0
62	1D Array Antennas In Tandem for a Large Gain and Moving the Direction of the End-Fire Beam. , 2019, , .		0
63	Selecting A Channel from 5G Sub-6-GHz Bands by A Small Antenna of Metamaterial Channel Filters. , 2020, , .		0
64	Design of 8 \times 8 Butler Matrix Antenna for 5G Small Cell Beamforming Repeaters. , 2019, , .		0
65	Small and High-Gain Array Antenna for WPT Over Several Meters. , 2019, , .		0