

Sarawuth Chaimool

List of Publications by Year in descending order

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62
docs citations

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times ranked

475
citing authors

#	ARTICLE	IF	CITATIONS
1	Experiment of a Phase-Gradient Metasurface Reflector for Millimeter Wave and 5G Applications. , 2022, , .		3
2	On the surface susceptibilities and effective parameters of metasurfaces composed of isolated metallic unitâ€œcells. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22353.	1.2	4
3	A Dual-Band Dual-Polarized MIMO Antenna for 700 MHz and Sub-6 GHz 5G Systems. , 2021, , .		0
4	Efficiency Enhancement of Wireless Power Transfer Localization using Defected Metasurface. , 2021, , .		0
5	Architectâ€™s role to improve in-building wireless coverage. Cogent Engineering, 2020, 7, 1770912.	2.2	3
6	Zeroth-order Resonator Antenna using Meandered Arm on Jerusalem Geometry in Mushroom-like Structure. , 2020, , .		0
7	A Compact Dual-Broadband Multiple-Input Multiple-Output (MIMO) Indoor Base Station Antenna for 2G/3G/LTE Systems. IEEE Access, 2019, 7, 82238-82245.	4.2	10
8	Design of a PIN Diode-Based Reconfigurable Metasurface Antenna for Beam Switching Applications. International Journal of Antennas and Propagation, 2019, 2019, 1-7.	1.2	28
9	Lowpass Filters with Non-uniform Dielectric Properties using 3D Synthetic Printed Substrates. , 2019, , .		0
10	Zeroth-Order Resonator Based on Mushroom-like Structure for Liquid Mixture Concentration Sensing of Sodium Chloride Solution. , 2019, , .		5
11	Compact Non-uniform Planar Metasurface for Efficiency Enhancement of Wireless Power Transfer. , 2019, , .		2
12	Design of Compact Beam-Steering Antennas Using a Metasurface Formed by Uniform Square Rings. IEEE Access, 2018, 6, 9420-9429.	4.2	45
13	Highly Unidirectional Slot Antenna Using Transmissive and Reflective Metasurfaces for WLAN and WiMAX Applications. , 2018, , .		0
14	Symmetric surface complex waves in Goubau Line. Cogent Engineering, 2018, 5, 1507083.	2.2	4
15	Relativistic finite-difference time-domain analysis of high-speed moving metamaterials. Scientific Reports, 2018, 8, 7686.	3.3	9
16	Anisotropic fractal metasurfaceâ€œbased antenna with contrary beams. Microwave and Optical Technology Letters, 2017, 59, 715-720.	1.4	4
17	Radio-frequency characterization of multi-walled carbon nanotube/poly-lactic acid composites. Materials Today: Proceedings, 2017, 4, 6548-6552.	1.8	1
18	Side-lobe reduction of horn antenna using circular patch mushroom-like EBG structure. , 2016, , .		3

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19	Artificial Ground Plane Based on Electromagnetic Bandgap for Stripline Transmission Line. <i>Procedia Computer Science</i> , 2016, 86, 55-58.	2.0	0
20	Hyperbolic/anisotropic MNZ metasurface opposed beam antenna. , 2015, , .		2
21	Performance enhancement of circularly-polarized patch array using anisotropic metasurface. , 2015, , .		2
22	UHF RFID reader using slanted slot patch metasurface on microstrip patch antenna. , 2015, , .		3
23	Wideband subwavelength-profile circularly polarised array antenna using anisotropic metasurface. <i>Electronics Letters</i> , 2015, 51, 1403-1405.	1.0	41
24	Metasurface characteristic of fractal fishnet structure and closed ring resonator. , 2014, , .		4
25	A compact zeroth-order resonant antenna based on modified Jerusalem mushroom structures. , 2014, , .		4
26	A mushroom-like zeroth-order resonator antenna using meandered arm on Jerusalem cross shape. , 2014, , .		1
27	A dual band-notched UWB monopole antenna with C-shaped slot and hairpin slot. , 2013, , .		7
28	Mu-near-zero metasurface for microstrip-fed slot antennas. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 112, 669-675.	2.3	40
29	Triple-band USB dongle antenna using fractal and shorted loops for WiFi and WiMAX applications. <i>Microwave and Optical Technology Letters</i> , 2013, 55, 863-866.	1.4	5
30	Miniaturized microstrip patch antenna printed on magneto-dielectric metasubstrate. , 2012, , .		4
31	An UWB bandpass filter with dual-notched band and improved stopband performance. , 2012, , .		0
32	A dual-notched band bandpass filter using embedded fold-slots. , 2012, , .		1
33	Miniaturized triple-band USB dongle antenna using loaded-fractal loop monopole with shorted loop and fractal loop resonator. , 2012, , .		2
34	Gain enhancement of microstrip antenna using square aperture superstrate. , 2012, , .		2
35	Multiband loaded fractal loop monopole antenna for USB dongle applications. <i>Electronics Letters</i> , 2012, 48, 1446.	1.0	22
36	Compact wideband microstrip thinned array antenna using EBG superstrate. <i>AEU - International Journal of Electronics and Communications</i> , 2012, 66, 49-53.	2.9	13

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37	Single-feed circularly polarized microstrip patch antenna stacked with periodic structure. Microwave and Optical Technology Letters, 2012, 54, 50-54.	1.4	2
38	Broadside gain and bandwidth enhancement of microstrip patch antenna using a MNZ-metasurface. Microwave and Optical Technology Letters, 2012, 54, 529-532.	1.4	38
39	Ultra-wideband bandpass filters with notched band using slotted linear tapered-line resonators and embedded slot feed. , 2011, , .		1
40	Unidirectional CPW-fed slot antenna using metasurface. , 2011, , .		8
41	CPW-fed slot antenna with fractal tuning stub for wideband circular polarization. , 2011, , .		5
42	Low-profile unidirectional microstrip-fed slot antenna using metasurface. , 2011, , .		16
43	Wideband constant beamwidth coplanar waveguide-fed slot antennas using metallic strip loadings and a widened tuning stub with shaped reflectors. International Journal of RF and Microwave Computer-Aided Engineering, 2011, 21, 263-271.	1.2	3
44	Triple-band CPW-FED L-shaped monopole antenna with small ground plane. Microwave and Optical Technology Letters, 2011, 53, 2274-2277.	1.4	8
45	Bandwidth and Gain Enhancement of Microstrip Patch Antennas Using Reflective Metasurface. IEICE Transactions on Communications, 2010, E93-B, 2496-2503.	0.7	46
46	A compact wideband bandpass filter using modified NB-SRRs with wide upper bandstop. Microwave and Optical Technology Letters, 2010, 52, 551-553.	1.4	2
47	SIMULTANEOUS GAIN AND BANDWIDTHS ENHANCEMENT OF A SINGLE-FEED CIRCULARLY POLARIZED MICROSTRIP PATCH ANTENNA USING A METAMATERIAL REFLECTIVE SURFACE. Progress in Electromagnetics Research B, 2010, 22, 23-37.	1.0	54
48	A broadband bandpass filter with a notch-band using step-impedance resonator and embedded slots. , 2009, , .		2
49	CPW-fed mirrored-L monopole antenna with distinct triple bands for WiFi and WiMAX applications. Electronics Letters, 2009, 45, 928.	1.0	98
50	Broadband bandpass filters using slotted resonators fed by interdigital coupled lines for improved upper stopband performances. AEU - International Journal of Electronics and Communications, 2009, 63, 454-463.	2.9	13
51	Broadband bandpass filters using slotted stepped impedance resonators for improving upper stopband performances. , 2008, , .		1
52	Broadband Bandpass Filters Using Slotted Resonators Fed by Interdigital Coupled Lines for Improving Upper Stopband Performances. , 2007, , .		3
53	A Microstrip Two-layer Dual-Passband Filter Using Aperture-Coupled SIRs with Wide Rejection Bandwidth by Defected Ground Structure (DGS). , 2007, , .		1
54	A Microstrip Bandpass Filter Using Asymmetrical Stepped-Impedance Resonators for a Wide Upper Stopband Performance. , 2007, , .		1

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55	A Miniaturized Dual-mode Bandpass Filter using Triangular Loop Resonator with Wide Stopband by U-Shaped Defected Ground Structure (DGS). , 2007, , .		5
56	Wideband Uni-Directional CPW-fed Slot Antennas Using Loading Metallic Strips and a Widened Tuning Stub on Modified-Shape Reflectors. IEICE Transactions on Communications, 2007, E90-B, 2246-2255.	0.7	3
57	Resonator-Embedded Four-Pole Cross-Coupled Dual-Band Microstrip Bandpass Filters. , 2006, , .		1
58	A microstrip bandpass filter using a line periodically loaded with unbalanced SIRs for size reduction and spurious suppression. , 2006, , .		2
59	CPW-Fed Slot Antennas Using Loading Metallic Strips and a Widened Tuning Stub with a Finite Reflector. , 2006, , .		0
60	Dual-Band CPW-Fed Slot Antennas Using Loading Metallic Strips and a Widened Tuning Stub. IEICE Transactions on Electronics, 2005, E88-C, 2258-2265.	0.6	5
61	A novel microstrip bandpass filter using triangular open-loop resonators. , 0, , .		4
62	CPW-Fed Antennas for WiFi and WiMAX. , 0, , .		4