

Biswajeet Mukherjee Mukherjee

List of Publications by Year in descending order

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77
papers

846
citations

471509
17
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25
g-index

78
all docs

78
docs citations

78
times ranked

502
citing authors

#	ARTICLE	IF	CITATIONS
1	Wideband Circularly Polarized Rectangular Dielectric Resonator Antennas Using Square-Shaped Slots. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1309-1312.	4.0	57
2	Hemispherical Dielectric Resonator Antenna Based on Apollonian Gasket of Circles A Fractal Approach. IEEE Transactions on Antennas and Propagation, 2014, 62, 40-47.	5.1	51
3	A Compact Wideband Rectangular Dielectric Resonator Antenna using Perforations and Edge Grounding. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 490-493.	4.0	46
4	A review of the recent advances in dielectric resonator antennas. Journal of Electromagnetic Waves and Applications, 2020, 34, 1095-1158.	1.6	40
5	MIMO ANTENNA FOR BLUETOOTH, WI-FI, WI-MAX AND UWB APPLICATIONS. Progress in Electromagnetics Research C, 2014, 52, 53-62.	0.9	33
6	Compact Embedded Dual-Element Rectangular Dielectric Resonator Antenna Combining Sierpinski and Minkowski Fractals. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2017, 7, 786-791.	2.5	32
7	A Novel Cup-Shaped Inverted Hemispherical Dielectric Resonator Antenna for Wideband Applications. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1240-1243.	4.0	27
8	A NOVEL COMPACT FRACTAL RING BASED CYLINDRICAL DIELECTRIC RESONATOR ANTENNA FOR ULTRA WIDEBAND APPLICATION. Progress in Electromagnetics Research C, 2016, 67, 71-83.	0.9	26
9	Compact Wideband Bandpass Filter for TETRA Band Applications. IEEE Microwave and Wireless Components Letters, 2017, 27, 630-632.	3.2	23
10	A Low-Profile Multilayer Cylindrical Segment Fractal Dielectric Resonator Antenna: Usage for wideband applications. IEEE Antennas and Propagation Magazine, 2019, 61, 55-63.	1.4	21
11	A NOVEL HALF HEMISPHERICAL DIELECTRIC RESONATOR ANTENNA WITH ARRAY OF SLOTS FOR WIDEBAND APPLICATIONS. Progress in Electromagnetics Research C, 2013, 36, 207-221.	0.9	20
12	A novel cylindrical dielectric resonator antenna based on Fibonacci series approach. Microwave and Optical Technology Letters, 2019, 61, 2268-2274.	1.4	20
13	Novel design of conformal-strip excited asymmetrical rectangular dielectric resonator antenna for ultra-wide band application. Journal of Microwave Power and Electromagnetic Energy, 2018, 52, 128-141.	0.8	19
14	Compact Selective Bandpass Filter With Wide Stopband for TETRA Band Applications. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 653-659.	2.5	19
15	A novel tetraskelion dielectric resonator antenna for wideband applications. Microwave and Optical Technology Letters, 2015, 57, 2781-2786.	1.4	18
16	A two-segment rectangular dielectric resonator antenna for ultra-wideband application. Electromagnetics, 2018, 38, 20-33.	0.7	18
17	High-gain compact rectangular dielectric resonator antenna using metamaterial as superstrate. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21968.	1.2	18
18	Compact triple band bandpass filters design using mixed coupled resonators. AEU - International Journal of Electronics and Communications, 2019, 107, 49-56.	2.9	18

#	ARTICLE	IF	CITATIONS
19	A Novel Hemispherical Dielectric Resonator Antenna With Complementary Split-Ring-Shaped Slots and Resonator for Wideband and Low Cross-Polar Applications. IEEE Antennas and Propagation Magazine, 2015, 57, 120-128.	1.4	17
20	Miniaturised highly selective bandpass filter with very wide stopband using meander coupled lines. Electronics Letters, 2017, 53, 889-890.	1.0	16
21	Near field analysis of RDRA loaded with split ring resonators superstrate. Microwave and Optical Technology Letters, 2018, 60, 472-478.	1.4	16
22	A novel half Hemispherical Dielectric Resonator Antenna with array of slots loaded with a circular metallic patch for wireless applications. AEU - International Journal of Electronics and Communications, 2015, 69, 1755-1759.	2.9	15
23	Compact dual bandpass filter for terrestrial radio and GSM applications. International Journal of RF and Microwave Computer-Aided Engineering, 2017, 27, e21131.	1.2	15
24	A Novel Compact Cylindrical Dielectric Resonator Antenna for Wireless Sensor Network Application. , 2018, 2, 1-4.		15
25	A novel Hemispherical Dielectric Resonator Antenna on an Electromagnetic Band Gap substrate for broadband and high gain systems. AEU - International Journal of Electronics and Communications, 2014, 68, 1185-1190.	2.9	13
26	Application of Finite Difference Time Domain to Calculate the Transmission Coefficient of an Electromagnetic Wave Impinging Perpendicularly on a Dielectric Interface with Modified MUR-I ABC. Defence Science Journal, 2012, 62, 228-235.	0.8	11
27	Compact bandpass filter with quasi-elliptic response using stub loaded resonator. AEU - International Journal of Electronics and Communications, 2017, 72, 174-177.	2.9	10
28	Miniaturised highly selective wideband bandpass filter using dual-mode resonators and inter digital capacitors. Electronics Letters, 2017, 53, 1209-1211.	1.0	10
29	Wideband circularly polarized low profile dielectric resonator antenna with meta superstrate for high gain. AEU - International Journal of Electronics and Communications, 2021, 128, 153524.	2.9	10
30	Compact dual-band BPF with wide stopband using stub-loaded spiral stepped impedance resonator. Electronics Letters, 2016, 52, 1860-1862.	1.0	9
31	Compact wideband bandpass filter using quad mode resonator. AEU - International Journal of Electronics and Communications, 2018, 87, 54-59.	2.9	9
32	Wideband bandstop filter using L-shaped and Quad mode resonator for C and X band application. Electromagnetics, 2020, 40, 177-185.	0.7	9
33	Compact bi-cone dielectric resonator antenna for ultra-wideband applications – a novel geometry explored. Electromagnetics, 2017, 37, 471-481.	0.7	8
34	Laterally Placed CDRA with Triangular Notches for Ultra Wideband Applications. Frequenz, 2017, 72, 1-6.	0.9	8
35	High Gain Fractal Cylindrical Dielectric Resonator Antenna for UWB Application. , 2018, , .		8
36	Miniaturized Bandpass Filter with Wide Stopband using Spiral Configuration of Stepped Impedance Resonator. Frequenz, 2018, 72, 455-458.	0.9	8

#	ARTICLE	IF	CITATIONS
37	A novel Hemispherical Dielectric Resonator Antenna with rectangular slot and Defected Ground Structure for low cross polar and wideband applications. , 2013, , .		7
38	Improvement in radiation losses of spur line resonators based LPF on an EBG substrate. International Journal of Applied Electromagnetics and Mechanics, 2013, 41, 447-455.	0.6	7
39	Circular SRR Shaped UWB Antenna with WiMAX Band Notch Characteristics. , 2018, , .		7
40	Investigation of T-Shaped Compact Dielectric Resonator Antenna for Wideband Application. Radioelectronics and Communications Systems, 2019, 62, 594-603.	0.5	7
41	High gain cylindrical dielectric resonator integrated with horn for multiband wireless applications. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22161.	1.2	7
42	Sierpinski fractal inspired inverted pyramidal DRA for wide band applications. Electromagnetics, 2018, 38, 103-112.	0.7	6
43	Compact and Circularly Polarized Hemispherical DRA for C-Band Applications. Frequenz, 2019, 73, 227-234.	0.9	6
44	Wideband circular polarized cylindrical segmented dielectric resonator antenna for ISM band applications. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22134.	1.2	6
45	An ultra-wideband bandstop filter with circularly etched stub resonator. Microwave and Optical Technology Letters, 2021, 63, 2958-2963.	1.4	6
46	Y-shaped dielectric resonator MIMO antenna for omnidirection radiation pattern. Electromagnetics, 2022, 42, 157-167.	0.7	6
47	Investigation of a Hemispherical Dielectric Resonator Antenna for enhanced bandwidth of operation. International Journal of Applied Electromagnetics and Mechanics, 2013, 41, 457-466.	0.6	5
48	Hemispherical Dielectric Resonator Antenna embedded in a novel Sierpinski Carpet Fractal based Photonic Band Gap structure for wideband systems. , 2014, , .		5
49	Koch snowflake dielectric resonator antenna with periodic circular slots for high gain and wideband applications. , 2016, , .		5
50	A novel multi wideband bandstop filter with annular shaped stubs. AEU - International Journal of Electronics and Communications, 2021, 142, 153993.	2.9	5
51	A Compact Half-Hemispherical DRA with two combined Fractal Approach. , 2017, , .		4
52	Fractal on Hemispherical DRA by Descartes' Circle Theorem for wideband application. , 2018, , .		4
53	Wideband Koch snowflake fractal Dielectric Resonator antenna. , 2015, , .		3
54	Koch snowflake Dielectric Resonator Antenna loaded with a circular metallic patch for wideband applications. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
55	Edge Grounding Perforated Triangular Dielectric Resonator Antenna. , 2016, , .		3
56	Compact Minkowski Half-hexagon Notched Dielectric Resonator Antenna for wideband applications. , 2016, , .		3
57	A compact notched chamfered RDRA with edge grounding for wide-band application. , 2017, , .		3
58	Improvement in Roll off Factor of Low Pass Filter Placed on an EBG Substrate. Frequenz, 2013, 67, .	0.9	2
59	Wideband rectangular dielectric resonator antenna with novel array of square shaped slots. , 2013, , .		2
60	Hemispherical Dielectric Resonator Antenna loaded with a Photonic Band Gap structure for wideband and high gain applications. , 2014, , .		2
61	A novel hemispherical dielectric resonator antenna with Swastika shaped DGS for high gain applications. , 2015, , .		2
62	New wideband quadrature rectangular dielectric resonator antenna. , 2015, , .		2
63	Compact wideband perforated Rectangular Dielectric Resonator Antenna. , 2015, , .		2
64	Cylindrical dielectric resonator antenna with perpendicular slots “ A novel geometry explored. , 2016, , .		2
65	Photonic waveguide inspired corrugated cross-coupled notch DRA. Electromagnetics, 2018, 38, 458-468.	0.7	2
66	A Novel Perforated Rectangular Dielectric Resonator Antenna with Semi Elliptical Conformal Feed for C-Band Applications. Electromagnetics, 2021, 41, 570-580.	0.7	2
67	New wideband quadrature rectangular dielectric resonator antenna. , 2015, , .		1
68	Investigation on Tetrahedral DRA with loaded monopole for ultra-wideband application. , 2018, , .		1
69	A plasmonic MIM bandstop filter. , 2018, , .		1
70	Stacked Pyramidal Shaped Half Cylindrical Dielectric Resonator Antenna for Wideband Wireless Applications. , 2020, , .		1
71	Low Profile Three Element Half Cylindrical Dielectric Resonator Antenna for MIMO Application. , 2022, , .		1
72	A novel pierced rectangular dielectric resonator antenna for wideband communication systems. , 2014, , .		0

73	A strip fed wideband rectangular dielectric resonator antenna using perforations. , 2014, , .	0
74	Novel S shaped dielectric resonator antenna for wireless communication. , 2015, , .	0
75	A novel sierpinski carpet fractal based photonic band gap structure for THz and optical communication applications. , 2015, , .	0
76	A miniaturized wideband bandpass filter. , 2016, , .	0
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