

Nemai Chandra Karmakar

List of Publications by Year in descending order

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282
papers

5,527
citations

136950

32
h-index

123424

61
g-index

345
all docs

345
docs citations

345
times ranked

2082
citing authors

#	ARTICLE	IF	CITATIONS
1	Chipless RFID: Bar Code of the Future. IEEE Microwave Magazine, 2010, 11, 87-97.	0.8	431
2	Multiresonator-Based Chipless RFID System for Low-Cost Item Tracking. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 1411-1419.	4.6	430
3	A Novel Compact Printable Dual-Polarized Chipless RFID System. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 2142-2151.	4.6	166
4	Phase-Encoded Chipless RFID Transponder for Large-Scale Low-Cost Applications. IEEE Microwave and Wireless Components Letters, 2009, 19, 509-511.	3.2	157
5	A Review of Radio Frequency Fingerprinting Techniques. IEEE Journal of Radio Frequency Identification, 2020, 4, 222-233.	2.3	155
6	Development of a Low Cost Printable Chipless RFID Humidity Sensor. IEEE Sensors Journal, 2014, 14, 140-149.	4.7	143
7	Investigations into nonuniform photonic-bandgap microstripline low-pass filters. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 564-572.	4.6	130
8	Hold the Chips: Chipless Technology, an Alternative Technique for RFID. IEEE Microwave Magazine, 2013, 14, 56-65.	0.8	120
9	A Novel Chipless RFID System Based on Planar Multiresonators for Barcode Replacement. , 2008, , .		91
10	Quasi-static modeling of defected ground structure. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 2160-2168.	4.6	87
11	Smart Sensing: Chipless RFID Solutions for the Internet of Everything. IEEE Microwave Magazine, 2015, 16, 26-39.	0.8	87
12	POLYVINYL-ALCOHOL (PVA)-BASED RF HUMIDITY SENSOR IN MICROWAVE FREQUENCY. Progress in Electromagnetics Research B, 2013, 54, 149-166.	1.0	86
13	RFID Transponders. IEEE Microwave Magazine, 2008, 9, 90-103.	0.8	78
14	Design of Chipless RFID Tag for Operation on Flexible Laminates. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 207-210.	4.0	76
15	Smart Sensing Materials for Low-Cost Chipless RFID Sensor. IEEE Sensors Journal, 2014, 14, 2198-2207.	4.7	74
16	On the Detection of Frequency-Spectra-Based Chipless RFID Using UWB Impulsed Interrogation. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 4187-4197.	4.6	72
17	Potential Chipless RFID Sensors for Food Packaging Applications: A Review. IEEE Sensors Journal, 2020, 20, 9618-9636.	4.7	70
18	Compact Printable Chipless RFID Systems. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 3785-3793.	4.6	66

#	ARTICLE	IF	CITATIONS
19	A Novel Reader Architecture Based on UWB Chirp Signal Interrogation for Multiresonator-Based Chipless RFID Tag Reading. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 2925-2933.	4.6	61
20	Multiresonator-Based Chipless RFID. , 2012, , .		61
21	Chipless RFID tags and sensors: a review on time-domain techniques. Wireless Power Transfer, 2015, 2, 62-77.	1.1	60
22	Chipless RFID Tag Localization. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 4008-4017.	4.6	57
23	Orientation independent compact chipless RFID tag. , 2012, , .		49
24	The Realization of Chipless RFID Resonator for Multiple Physical Parameter Sensing. IEEE Internet of Things Journal, 2019, 6, 5387-5396.	8.7	48
25	Real-World Implementation Challenges of a Novel Dual-Polarized Compact Printable Chipless RFID Tag. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 4581-4591.	4.6	44
26	Development of Cross-Polar Orientation-Insensitive Chipless RFID Tags. IEEE Transactions on Antennas and Propagation, 2020, 68, 5159-5170.	5.1	44
27	A $\times 4$ Dual Polarized mm-Wave ACMPA Array for a Universal mm-Wave Chipless RFID Tag Reader. IEEE Transactions on Antennas and Propagation, 2015, 63, 1633-1640.	5.1	43
28	Design of short range chipless RFID reader prototype. , 2009, , .		42
29	Development of a chipless RFID temperature sensor using cascaded spiral resonators. , 2011, , .		42
30	Fully printable chipless RFID multi-parameter sensor. Sensors and Actuators A: Physical, 2016, 248, 223-232.	4.1	42
31	Self-Interference Cancellation in Frequency-Domain Chipless RFID Readers. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 1994-2009.	4.6	42
32	Development of a low cost printable humidity sensor for chipless RFID technology. , 2012, , .		41
33	Wearable Chipless Radio-Frequency Identification Tags for Biomedical Applications: A Review [Antenna Applications Corner]. IEEE Antennas and Propagation Magazine, 2020, 62, 94-104.	1.4	40
34	Chipped Versus Chipless RF Identification: A Comprehensive Review. IEEE Microwave Magazine, 2019, 20, 47-57.	0.8	39
35	Microwave Characterization of Chitosan Hydrogel and Its Use as a Wireless pH Sensor in Smart Packaging Applications. IEEE Sensors Journal, 2020, 20, 8990-8996.	4.7	37
36	A Novel "Smart Skin" Sensor for Chipless RFID-Based Structural Health Monitoring Applications. IEEE Internet of Things Journal, 2021, 8, 3955-3971.	8.7	36

#	ARTICLE	IF	CITATIONS
37	Chipless RFID Readers for Frequency-Coded Tags: Time-Domain or Frequency-Domain?. IEEE Journal of Radio Frequency Identification, 2020, 4, 146-158.	2.3	35
38	Chipless RFID Printing Technologies: A State of the Art. IEEE Microwave Magazine, 2021, 22, 64-81.	0.8	32
39	Hybrid Chipless RFID Tags- A Pathway to EPC Global Standard. IEEE Access, 2018, 6, 67415-67426.	4.2	31
40	RFID System Based on Fully Printable Chipless Tag for Paper-/Plastic-Item Tagging. IEEE Antennas and Propagation Magazine, 2011, 53, 15-32.	1.4	30
41	A High Gain Dual Polarized Ultra-Wideband Array of Antenna for Chipless RFID Applications. IEEE Access, 2018, 6, 73702-73712.	4.2	30
42	Improved performance of photonic band-gap microstripline structures with the use of Chebyshev distributions. Microwave and Optical Technology Letters, 2002, 33, 1-5.	1.4	29
43	Development of Smart Antenna for RFID Reader. , 2008, , .		28
44	Fully printable multi-bit chipless RFID transponder on flexible laminate. , 2009, , .		28
45	Microstrip lowpass filter based on split ring and complementary split ring resonators. Microwave and Optical Technology Letters, 2012, 54, 1723-1726.	1.4	28
46	Moving Chipless RFID Tag Detection Using Adaptive Wavelet-Based Detection Algorithm. IEEE Transactions on Antennas and Propagation, 2018, 66, 2752-2760.	5.1	28
47	Chipless RFID tag with integrated sensor. , 2010, , .		27
48	Signal Space Representation of Chipless RFID Tag Frequency Signatures. , 2011, , .		25
49	Spatial-Based Chipless RFID System. IEEE Journal of Radio Frequency Identification, 2019, 3, 46-55.	2.3	25
50	A novel microstrip lowpass filter using compact microstrip resonant cells and uniquely shaped defected ground structures. Microwave and Optical Technology Letters, 2012, 54, 2462-2464.	1.4	24
51	Robust Low-Cost Passive UHF RFID Based Smart Shopping Trolley. IEEE Journal of Radio Frequency Identification, 2018, 2, 134-143.	2.3	24
52	Direction of Arrival Estimation with a Novel Single-Port Smart Antenna. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1.	1.7	23
53	Chipless Frequency Signature Based RFID Transponders. , 2008, , .		23
54	Document Verification: A Cloud-Based Computing Pattern Recognition Approach to Chipless RFID. IEEE Access, 2018, 6, 78007-78015.	4.2	23

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55	Analysis of Artifacts on Chipless RFID Backscatter Tag Signals for Real World Implementation. IEEE Access, 2019, 7, 66821-66831.	4.2	23
56	A \$Ka\$ -Band GaAs MMIC Traveling-Wave Switch With Absorptive Characteristic. IEEE Microwave and Wireless Components Letters, 2019, 29, 394-396.	3.2	23
57	Paper Based Chipless RFID Leaf Wetness Detector for Plant Health Monitoring. IEEE Access, 2020, 8, 191986-191996.	4.2	22
58	UWB chipless tag RFID reader design. , 2010, , .		21
59	Development of Wireless Transducer for Real-Time Remote Patient Monitoring. IEEE Sensors Journal, 2016, 16, 4669-4670.	4.7	21
60	A two-ring circular phased-array antenna for mobile satellite communications. IEEE Antennas and Propagation Magazine, 1999, 41, 14-23.	1.4	20
61	A beam-forming network for a circular switched-beam phased array antenna. IEEE Microwave and Wireless Components Letters, 2001, 11, 7-9.	3.2	20
62	An EM-coupled dual-polarized microstrip patch antenna for RFID applications. Microwave and Optical Technology Letters, 2003, 39, 354-360.	1.4	20
63	COMPACT PRINTABLE ORIENTATION INDEPENDENT CHIPLESS RFID TAG. Progress in Electromagnetics Research C, 2012, 33, 55-66.	0.9	20
64	A novel EM barcode for humidity sensing. , 2013, , .		20
65	Review of RFID-based sensing in monitoring physical stimuli in smart packaging for food-freshness applications. Wireless Power Transfer, 2019, 6, 161-174.	1.1	20
66	RFID Sensors in Medical Applications. IEEE Journal of Radio Frequency Identification, 2020, 4, 212-221.	2.3	20
67	Dual-band modified complementary split ring resonator (MCSRR) based multi-resonator circuit for chipless RFID tag. , 2013, , .		18
68	A spectrally efficient chipless RFID tag based on split-wheel resonator. , 2014, , .		18
69	Mathematical Model of Chipless RFID Tags for Detection Improvement. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 4103-4115.	4.6	18
70	Towards the Improvement of Frequency-domain Chipless RFID Readers. , 2018, , .		17
71	Chipless RFID Tags: Co- or Cross-Polar Tag?. , 2019, , .		17
72	Design of novel super wide band antenna close to the fundamental dimension limit theory. Scientific Reports, 2020, 10, 16306.	3.3	17

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73	Design and Experimental Analysis of a Novel Compact and Flexible Super Wide Band Antenna for 5G. IEEE Access, 2021, 9, 46698-46708.	4.2	17
74	Shorting strap tunable single feed dual-band stacked patch PIFA. IEEE Antennas and Wireless Propagation Letters, 2003, 2, 68-71.	4.0	16
75	Development of Low-Cost Active RFID Tag at 2.4 GHz. , 2006, , .		16
76	Dumbbell-shaped defected ground structure. International Journal of RF and Microwave Computer-Aided Engineering, 2007, 17, 210-224.	1.2	16
77	Shorting strap tunable single feed dual-band PIFA. IEEE Microwave and Wireless Components Letters, 2003, 13, 13-15.	3.2	15
78	Optimized MIMO-SAR Technique for Fast EM-Imaging of Chipless RFID System. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 661-669.	4.6	15
79	Application of Wideband Differential Phase Shifters With Wide Phase Range in Chipless RFID Readers. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 3636-3650.	4.6	15
80	Time and Frequency Domains Analysis of Chipless RFID Back-Scattered Tag Reflection. IoT, 2020, 1, 109-127.	3.8	15
81	Theoretical investigations into binomial distributions of photonic bandgaps in microstripline structures. Microwave and Optical Technology Letters, 2002, 33, 191-196.	1.4	14
82	Uniform circular photonic bandgap structures (PBGs) for harmonic suppression of a bandpass filter. AEU - International Journal of Electronics and Communications, 2008, 62, 717-724.	2.9	14
83	AN EFFICIENT COPLANAR RETRANSMISSION TYPE CHIPLESS RFID TAG BASED ON DUAL-BAND MCSRR. Progress in Electromagnetics Research C, 2014, 54, 133-141.	0.9	14
84	1.4 GHz Low-Cost PIN Diode Phase Shifter for $\{L\}$ -Band Radiometer Antenna. IEEE Access, 2019, 7, 95274-95284.	4.2	14
85	Design and modelling of a compact circularly polarized antenna for RFID applications. AEU - International Journal of Electronics and Communications, 2020, 123, 153313.	2.9	14
86	UWB-IR based detection for frequency-spectra based chipless RFID. , 2012, , .		13
87	Cross-polarized printable chipless RFID tag with superior data capacity. , 2014, , .		13
88	Chipless RFID based high resolution crack sensing through SWB technology. , 2014, , .		13
89	A Passive RF Sensor for Detecting Simultaneous Partial Discharge Signals Using Time-Frequency Analysis. IEEE Sensors Journal, 2016, 16, 2339-2348.	4.7	13
90	Physical-Layer Detection and Security of Printed Chipless RFID Tag for Internet of Things Applications. IEEE Internet of Things Journal, 2022, 9, 15714-15724.	8.7	13

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91	A novel microstrip patch antenna for 3G IMT-2000 mobile handsets. Microwave and Optical Technology Letters, 2001, 31, 488-491.	1.4	12
92	High-performance L-band series and parallel switches using low-cost p-i-n diodes. Microwave and Optical Technology Letters, 2002, 32, 367-370.	1.4	12
93	Wireless Orthopedic Pin for Bone Healing and Growth: Antenna Development. IEEE Transactions on Antennas and Propagation, 2010, 58, 4069-4074.	5.1	12
94	Cross-RCS based, high data capacity, chipless RFID system. , 2014, , .		12
95	Substrate-Integrated-Waveguide Power Dividers: An Overview of the Current Technology. IEEE Antennas and Propagation Magazine, 2020, 62, 27-38.	1.4	12
96	A Novel UHF RFID Sensor Based Crack Detection Technique for Coal Mining Conveyor Belt. IEEE Journal of Radio Frequency Identification, 2022, 6, 19-30.	2.3	12
97	IR-UWB Chipless RFID Reader Based on Frequency Translation Technique for Decoding Frequency-Coded Tags. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	12
98	Dual-Polarized Keratin-Based UWB Chipless RFID Relative Humidity Sensor. IEEE Sensors Journal, 2022, 22, 1924-1932.	4.7	12
99	An Adaptive Handover Scheme for Hybrid LiFi and WiFi Networks. IEEE Access, 2022, 10, 18955-18965.	4.2	12
100	Investigation of novel tapered hybrid defected ground structure (DGS). International Journal of RF and Microwave Computer-Aided Engineering, 2005, 15, 544-550.	1.2	11
101	Planar electromagnetic bandgap structures. International Journal of RF and Microwave Computer-Aided Engineering, 2006, 16, 415-429.	1.2	11
102	Design of fully printable chipless RFID tag on flexible substrate for secure banknote applications. , 2009, , .		11
103	Development of a phased array antenna for universal UHF RFID reader. , 2010, , .		11
104	MIMO based chipless RFID system. , 2012, , .		11
105	Image-based chipless RFID system with high content capacity for low cost tagging. , 2014, , .		11
106	A compact printable dual-polarized chipless RFID tag using slot length variation in 'I' slot resonators. , 2015, , .		11
107	On a compact printable dual-polarized chipless RFID tag using slot length variation encoding technique for barcode replacement. , 2015, , .		11
108	Analysis of real-world implementation challenges of chipless RFID tag. IET Microwaves, Antennas and Propagation, 2019, 13, 1318-1324.	1.4	11

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109	A Cross-Polar Orientation Insensitive Chipless RFID Tag. , 2019, , .		11
110	A compact switched-beam array antenna for mobile satellite communications. Microwave and Optical Technology Letters, 1999, 21, 186-191.	1.4	10
111	Pure harmonic suppression of a bandpass filter using binomially distributed photonic bandgap structures. Microwave and Optical Technology Letters, 2005, 44, 194-196.	1.4	10
112	Miniaturization and bandwidth enhancement of a cavity backed circular microstrip patch antenna. International Journal of RF and Microwave Computer-Aided Engineering, 2007, 17, 311-319.	1.2	10
113	The development and design of a novel chipless RFID system for low-cost item tracking. , 2008, , .		10
114	Multiresonator based chipless RFID tag and dedicated RFID reader. , 2010, , .		10
115	Aperture coupled UWB microstrip patch antenna array for mm-Wave chipless RFID tag reader. , 2012, , .		10
116	A NOVEL NARROW BANDPASS FILTER FOR IMAGE REJECTION AND CHANNEL SELECTION IN A WIRELESS SLEEP APNOEA MONITORING SYSTEM. Progress in Electromagnetics Research, 2012, 125, 483-501.	4.4	10
117	Introduction of electromagnetic image-based chipless RFID system. , 2013, , .		10
118	Chipless RFID tag for light sensing. , 2014, , .		10
119	An IoT empowered flexible chipless RFID tag for low cost item identification. , 2017, , .		10
120	Estimation of Backscattered Signals of Frequency-coded Chipless RFID Tag. , 2019, , .		10
121	Crack Monitoring System for Soft Rock Mining Conveyor Belt Using UHF RFID Sensors. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	10
122	Theoretical investigations into binomial distributions of photonic bandgaps in microstripline structures. Microwave and Optical Technology Letters, 2002, 33, 191-196.	1.4	10
123	RFID Readers - A Review. , 2006, , .		9
124	Chipless RFID Reader: Low-cost wideband printed dipole array antenna. IEEE Antennas and Propagation Magazine, 2015, 57, 18-29.	1.4	9
125	Novel MIMO-based technique for EM-imaging of chipless RFID. , 2015, , .		9
126	Electromagnetic characterization of soil moisture and salinity for UHF RFID applications in precision agriculture. , 2016, , .		9

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127	Novel Chipless RFID High Resolution Crack Sensor Based on SWB Technology. IEEE Sensors Journal, 2021, 21, 2908-2920.	4.7	9
128	State-of-the-Art Wearable Sensors and Possibilities for Radar in Fall Prevention. Sensors, 2021, 21, 6836.	3.8	9
129	Modified rectangular resonator based 15â€bit chipless radio frequency identification transponder for healthcare and retail applications. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, .	1.2	9
130	AnL-band 90i½ hybrid-coupled phase shifter using UHF bandp-i-n diodes. Microwave and Optical Technology Letters, 1999, 21, 51-54.	1.4	8
131	Design of compactL-band 180i½ phase shifters. Microwave and Optical Technology Letters, 1999, 22, 144-148.	1.4	8
132	Development of digital control section of RFID reader for multi-bit chipless RFID tag reading. , 2010, , .		8
133	Compact microstrip lowpass filter for harmonics suppression using a new defected ground structure. Microwave and Optical Technology Letters, 2012, 54, 1385-1387.	1.4	8
134	Screen Printed Chipless RFID Resonator Design for Remote Sensing Applications. , 2018, , .		8
135	Realisation of a High Spectral Efficient Chipless RFID Tag using Hairpin Resonators. , 2019, , .		8
136	A Folded Monopole Shaped Novel Soil Moisture and Salinity Sensor for Precision Agriculture Based Chipless RFID Applications. , 2019, , .		8
137	Screen printed chipless RFID tags on packaging substrates. Flexible and Printed Electronics, 2021, 6, 025009.	2.7	8
138	On the modeling of a cavity enclosed broadband circular patch antenna for Lâ€band land mobile satellite communications. Microwave and Optical Technology Letters, 1994, 7, 784-787.	1.4	7
139	Microstrip lines on annular-ring photonic bandgap structures. Microwave and Optical Technology Letters, 2002, 32, 431-433.	1.4	7
140	An Overview on RFID Frequency Regulations and Antennas. , 2006, , .		7
141	Towards an intelligent EM barcode. , 2012, , .		7
142	IMPROVED METHOD OF NODE AND THRESHOLD SELECTION IN WAVELET PACKET TRANSFORM FOR UWB IMPULSE RADIO SIGNAL DENOISING. Progress in Electromagnetics Research C, 2013, 38, 241-257.	0.9	7
143	Towards low-cost resolution optimized passive UHF RFID light sensing. , 2014, , .		7
144	An array of printed dipoles at 60 GHz. , 2014, , .		7

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145	A linearly polarized (LP) reader antenna for LP and orientation insensitive (OI) chipless RFID tags. , 2016, , .		7
146	Efficient Beamforming Technique Based on Sparse MIMO Array and Spatial Filter Bank. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1147-1151.	4.0	7
147	mm-Wave Chipless RFID Decoding: Introducing Image-Based Deep Learning Techniques. IEEE Transactions on Antennas and Propagation, 2022, 70, 3700-3709.	5.1	7
148	Design and Analysis of a UHF RFID Crack Sensor for Health Monitoring of Mining Conveyor Belt. , 2020, , .		7
149	A Novel L-Shaped RFID Tag Antenna. , 2007, , .		6
150	Development of phased array antenna by controlling the filling factor of periodic structure. International Journal of RF and Microwave Computer-Aided Engineering, 2007, 17, 353-359.	1.2	6
151	Nonlinear propagation and wave mixing characteristics of pulses in semiconductor optical amplifiers. Microwave and Optical Technology Letters, 2008, 50, 1223-1227.	1.4	6
152	Chipless RFID for intelligent traffic information system. , 2011, , .		6
153	Compact printable chipless RFID tags using polarization diversity. , 2012, , .		6
154	On the detection of chipless RFID through signal space representation. Annales Des Telecommunications/Annals of Telecommunications, 2013, 68, 437-445.	2.5	6
155	A maximum likelihood based tag detection technique for MIMO chipless RFID systems. , 2014, , .		6
156	Design of novel super wide band antennas close to the small antenna limitation theory. , 2014, , .		6
157	An advanced tag detection technique for chipless RFID systems. , 2015, , .		6
158	Towards an inexpensive paper based flexible chipless RFID tag with increased data capacity. , 2017, , .		6
159	An Enhanced Chipless RFID System in 60 GHz Using Pattern Recognition Techniques. , 2018, , .		6
160	Microwave performance of flexo-printed chipless RFID tags. Flexible and Printed Electronics, 2019, 4, 045003.	2.7	6
161	An 8 $\tilde{\text{A}}$ –8 mm-Wave LP ACMPA Array for a Long-Range mm-Wave Chipless RFID Tag-Sensor Reader. IEEE Journal of Radio Frequency Identification, 2021, 5, 53-63.	2.3	6
162	Smart Antennas for Automatic Radio Frequency Identification Readers. , 2009, , 449-473.		6

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163	Fractal PBG assisted co-planar waveguides. Microwave and Optical Technology Letters, 2005, 45, 75-78.	1.4	5
164	Four-wave mixing characteristics among short optical pulses in semiconductor optical amplifiers with optimum time-delays. , 2005, , .		5
165	RFID Transponders - A Review. , 2006, , .		5
166	NOVEL CHEBYSHEV DISTRIBUTED CHIRPED PHOTONIC BANDGAP (PBG) STRUCTURES. Journal of Infrared, Millimeter and Terahertz Waves, 2007, 27, 571-589.	0.6	5
167	Sensor cooperation in wireless body area network using network coding for sleep apnoea monitoring system. , 2013, , .		5
168	A novel reader architecture for chipless RFID tags. , 2013, , .		5
169	ML detection based SISO Chipless RFID tag reading. , 2014, , .		5
170	Anti-collision methods for chipless RFID systems. , 2015, , .		5
171	Chipless RFID strain sensors: A novel feasibility analysis in terms of conventional patch antennas. , 2015, , .		5
172	A novel time domain reflectometry based chipless RFID soil moisture sensor. , 2015, , .		5
173	Design and analysis of a novel low cost high data capacity chipless RFID tag on plastic substrate. , 2016, , .		5
174	A post-fabrication selective magnetic annealing technique in standard MEMS processes. Applied Physics Letters, 2016, 109, .	3.3	5
175	A Robust Detection Algorithm Using AC Characteristics of Backscatter Signal for Chipless RFID System. , 2019, , .		5
176	Compact Polarizer Chipless RFID Tag. , 2020, , .		5
177	Using Punctured Convolution Coding (PCC) for Error Correction in Chipless RFID Tag Measurement. IEEE Microwave and Wireless Components Letters, 2020, 30, 701-704.	3.2	5
178	Printing Techniques and Performance of Chipless Tag Design on Flexible Low-Cost Thin-Film Substrates. , 0, , 175-195.		5
179	Experimental investigations into an electromagnetically coupled microstrip patch antenna. Microwave and Optical Technology Letters, 1992, 5, 447-453.	1.4	4
180	Design of multistage multiway microstrip fork power dividers. Microwave and Optical Technology Letters, 1999, 23, 141-147.	1.4	4

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181	A binomially distributed photonic bandgap structure (PBGs) and its application to bandpass filter. International Journal of RF and Microwave Computer-Aided Engineering, 2006, 16, 355-366.	1.2	4
182	Hi-Z, low-Z defected ground structure. Microwave and Optical Technology Letters, 2006, 48, 1909-1912.	1.4	4
183	A novel L-shaped RFID tag antenna. , 2007, , .		4
184	Development of a low-cost semi-passive transponder for sensor applications at 2.4GHz. , 2007, , .		4
185	Four-wave mixing characteristics in SOAs with optimum time-delays between pump and probe pulses. Microwave and Optical Technology Letters, 2007, 49, 1182-1185.	1.4	4
186	Novel N - way Power Divider and Array Configuration for RFID Readers operating at 5.8 GHz. , 2008, , .		4
187	Compact LTCC bandpass filter with vertically folded structure. Microwave and Optical Technology Letters, 2011, 53, 1389-1394.	1.4	4
188	“ $\hat{\Gamma}$ ” $\hat{\Gamma}$ ™ slotted compact printable orientation insensitive chipless RFID tag for long range applications. , 2016, , .		4
189	SIW slot antenna at Ka-band for soil moisture radiometer system. , 2017, , .		4
190	Comparative study of different power distribution methods for array antenna beamforming for soil moisture radiometer. , 2017, , .		4
191	A UWB Antenna for Chipless RFID Tag Detection. , 2020, , .		4
192	A Wideband Directive Filter For LO Leakage Reduction in UWB Frequency-domain Chipless RFID Readers. , 2021, , .		4
193	Solving a chipless RFID inverse problem based on tag range estimation. IET Microwaves, Antennas and Propagation, 2020, 14, 1361-1370.	1.4	4
194	Beam Forming Algorithm with Different Power Distribution for RFID Reader. , 0, , 64-95.		4
195	A Comparison of IVHO and DVHO in Heterogeneous VLC-RF Networks. , 2021, , .		4
196	Towards an Objective and Precise Moisture Content Measurement of Textiles Using a Chipless RFID Tag-Sensor. , 2020, , .		4
197	A Novel Machine Learning Based Conveyor Belt Health Monitoring Incorporating UHF RFID Backscattered Power. , 2021, , .		4
198	Non-uniform distributions of photonic bandgap microstripline structures. International Journal of Electronics, 2003, 90, 65-77.	1.4	3

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199	A QPSK direct-conversion receiver for wireless communications. International Journal of RF and Microwave Computer-Aided Engineering, 2005, 15, 31-43.	1.2	3
200	Compact hybrid defected ground plane. Microwave and Optical Technology Letters, 2005, 44, 266-270.	1.4	3
201	Quasi-Static Analysis of Defected Ground Structure. , 2005, , .		3
202	Development of a low-cost backscattered semi-active RFID tag at 2.4 GHz. International Journal of RF and Microwave Computer-Aided Engineering, 2007, 17, 574-582.	1.2	3
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