

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

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345
all docs

345
docs citations

345
times ranked

2082
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Lightweight and Compact Radiometers for Soil Moisture Measurement: A review. IEEE Geoscience and Remote Sensing Magazine, 2022, 10, 231-250.	9.6	2
3	A Pulse Distortion Approach for Decoding Frequency-Coded Tags in Multicarrier Chipless RFID Systems. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 1856-1870.	4.6	3
4	Dual-Polarized Keratin-Based UWB Chipless RFID Relative Humidity Sensor. IEEE Sensors Journal, 2022, 22, 1924-1932.	4.7	12
5	mm-Wave Chipless RFID Decoding: Introducing Image-Based Deep Learning Techniques. IEEE Transactions on Antennas and Propagation, 2022, 70, 3700-3709.	5.1	7
6	Wireless Rotation Sensor Using Dual-Layered Twofold Spiral Resonator. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 789-792.	4.0	3
7	On the Improvement of Baseband Section of Frequency-Domain Vector Chipless RFID Readers. IEEE Journal of Radio Frequency Identification, 2022, 6, 140-150.	2.3	3
8	An Adaptive Handover Scheme for Hybrid LiFi and WiFi Networks. IEEE Access, 2022, 10, 18955-18965.	4.2	12
9	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
10	Modified rectangular resonator based 15-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
11	Demonstration of Smart Identification Sensors for Future 6G Intelligent IoT Applications. , 2022, , .		0
12	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
13	Novel Chipless RFID High Resolution Crack Sensor Based on SWB Technology. IEEE Sensors Journal, 2021, 21, 2908-2920.	4.7	9
14	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
15	A dual polarised universal reader for frequency domain-based chipless RFID tags and sensors. IET Microwaves, Antennas and Propagation, 2021, 15, 342-355.	1.4	2
16	An 8–8 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
17	A Wideband Directive Filter For LO Leakage Reduction in UWB Frequency-domain Chipless RFID Readers. , 2021, , .		4
18	Screen printed chipless RFID tags on packaging substrates. Flexible and Printed Electronics, 2021, 6, 025009.	2.7	8

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19	Chipless RFID Printing Technologies: A State of the Art. IEEE Microwave Magazine, 2021, 22, 64-81.	0.8	32
20	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
21	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
22	A Comparison of IVHO and DVHO in Heterogeneous VLC-RF Networks. , 2021, , .		4
23	State-of-the-Art Wearable Sensors and Possibilities for Radar in Fall Prevention. Sensors, 2021, 21, 6836.	3.8	9
24	Improved wideband phase balancing SIW unequal power divider design for the low side-lobes array antennas. IET Microwaves, Antennas and Propagation, 2021, 15, 115-122.	1.4	0
25	A Novel Mining Conveyor Belt Modelling for UHF RFID Sensor based Health Monitoring. , 2021, , .		0
26	A Novel Machine Learning Based Conveyor Belt Health Monitoring Incorporating UHF RFID Backscattered Power. , 2021, , .		4
27	Substrate-Integrated-Waveguide Power Dividers: An Overview of the Current Technology. IEEE Antennas and Propagation Magazine, 2020, 62, 27-38.	1.4	12
28	mm-Wave Letter-Based chipless RFID Tags on Cheap Plastic Substrates. , 2020, , .		3
29	Design of novel super wide band antenna close to the fundamental dimension limit theory. Scientific Reports, 2020, 10, 16306.	3.3	17
30	A UWB Antenna for Chipless RFID Tag Detection. , 2020, , .		4
31	Time and Frequency Domains Analysis of Chipless RFID Back-Scattered Tag Reflection. IoT, 2020, 1, 109-127.	3.8	15
32	Paper Based Chipless RFID Leaf Wetness Detector for Plant Health Monitoring. IEEE Access, 2020, 8, 191986-191996.	4.2	22
33	A Comparative Study of Different Radiometer Antennas for Soil Moisture. , 2020, , .		0
34	Compact Polarizer Chipless RFID Tag. , 2020, , .		5
35	RFID Sensors in Medical Applications. IEEE Journal of Radio Frequency Identification, 2020, 4, 212-221.	2.3	20
36	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

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37	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
38	Potential Chipless RFID Sensors for Food Packaging Applications: A Review. IEEE Sensors Journal, 2020, 20, 9618-9636.	4.7	70
39	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
40	Mathematical Model of Chipless RFID Tags for Detection Improvement. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 4103-4115.	4.6	18
41	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
42	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
43	Development of Cross-Polar Orientation-Insensitive Chipless RFID Tags. IEEE Transactions on Antennas and Propagation, 2020, 68, 5159-5170.	5.1	44
44	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
45	Solving a chipless RFID inverse problem based on tag range estimation. IET Microwaves, Antennas and Propagation, 2020, 14, 1361-1370.	1.4	4
46	A Review of Radio Frequency Fingerprinting Techniques. IEEE Journal of Radio Frequency Identification, 2020, 4, 222-233.	2.3	155
47	A planar ultra-wide band asymmetric rat-race hybrid coupler. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22189.	1.2	0
48	Design and Analysis of a UHF RFID Crack Sensor for Health Monitoring of Mining Conveyor Belt. , 2020, , .		7
49	A Semi-Omnidirectional Resonator for Chipless RFID Backscattered Tag Design. , 2020, , .		3
50	Towards an Objective and Precise Moisture Content Measurement of Textiles Using a Chipless RFID Tag-Sensor. , 2020, , .		4
51	Detection of Chipless RFID Tag Using a Single Antenna RFID Reader System. , 2020, , .		2
52	Chipped Versus Chipless RF Identification: A Comprehensive Review. IEEE Microwave Magazine, 2019, 20, 47-57.	0.8	39
53	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
54	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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55	1.4 GHz Low-Cost PIN Diode Phase Shifter for $\{L\}$ -Band Radiometer Antenna. IEEE Access, 2019, 7, 95274-95284.	4.2	14
56	Microwave performance of flexo-printed chipless RFID tags. Flexible and Printed Electronics, 2019, 4, 045003.	2.7	6
57	Millimeter-wave Phased MIMO Reader for Spatial Chipless RFID System. , 2019, , .		3
58	A Robust Detection Algorithm Using AC Characteristics of Backscatter Signal for Chipless RFID System. , 2019, , .		5
59	Self-Interference Cancellation in Frequency-Domain Chipless RFID Readers. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 1994-2009.	4.6	42
60	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
61	Analysis of Artifacts on Chipless RFID Backscatter Tag Signals for Real World Implementation. IEEE Access, 2019, 7, 66821-66831.	4.2	23
62	A $\{Ka\}$ -Band GaAs MMIC Traveling-Wave Switch With Absorptive Characteristic. IEEE Microwave and Wireless Components Letters, 2019, 29, 394-396.	3.2	23
63	Trends on Remote Sensing Technology: Receiver Architectures and Antenna Systems. , 2019, , .		2
64	The Realization of Chipless RFID Resonator for Multiple Physical Parameter Sensing. IEEE Internet of Things Journal, 2019, 6, 5387-5396.	8.7	48
65	Chipless RFID: A Low-cost Consumer Electronics in the Retail marketplace for Moving Item Detection. , 2019, , .		3
66	Realisation of a High Spectral Efficient Chipless RFID Tag using Hairpin Resonators. , 2019, , .		8
67	Chipless RFID Tags: Co- or Cross-Polar Tag?. , 2019, , .		17
68	A Folded Monopole Shaped Novel Soil Moisture and Salinity Sensor for Precision Agriculture Based Chipless RFID Applications. , 2019, , .		8
69	Estimation of Backscattered Signals of Frequency-coded Chipless RFID Tag. , 2019, , .		10
70	A Cross-Polar Orientation Insensitive Chipless RFID Tag. , 2019, , .		11
71	IEEE Access Special Section: Radio Frequency Identification and Security Techniques. IEEE Access, 2019, 7, 172152-172155.	4.2	1
72	Spatial-Based Chipless RFID System. IEEE Journal of Radio Frequency Identification, 2019, 3, 46-55.	2.3	25

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73	Microstrip Bandpass and Low-pass Filters. Series in Bioengineering, 2018, , 101-139.	0.6	0
74	Vision of the Wireless Monitoring Techniques in Sleep Apnoea. Series in Bioengineering, 2018, , 15-24.	0.6	0
75	Moving Chipless RFID Tag Detection Using Adaptive Wavelet-Based Detection Algorithm. IEEE Transactions on Antennas and Propagation, 2018, 66, 2752-2760.	5.1	28
76	Optimization of Novel Chipless RFID tag Designs Using Different Fabrication Techniques in Ultra-Wideband. , 2018, , .		1
77	Screen Printed Chipless RFID Resonator Design for Remote Sensing Applications. , 2018, , .		8
78	Hybrid Chipless RFID Tags- A Pathway to EPC Global Standard. IEEE Access, 2018, 6, 67415-67426.	4.2	31
79	Document Verification: A Cloud-Based Computing Pattern Recognition Approach to Chipless RFID. IEEE Access, 2018, 6, 78007-78015.	4.2	23
80	An Enhanced Chipless RFID System in 60 GHz Using Pattern Recognition Techniques. , 2018, , .		6
81	A Design and Implementation of an Ambulatory Electrocardiogram (ECG) Acquisition Circuit for Emergency Application. , 2018, , .		1
82	A High Gain Dual Polarized Ultra-Wideband Array of Antenna for Chipless RFID Applications. IEEE Access, 2018, 6, 73702-73712.	4.2	30
83	Towards the Improvement of Frequency-domain Chipless RFID Readers. , 2018, , .		17
84	Robust Low-Cost Passive UHF RFID Based Smart Shopping Trolley. IEEE Journal of Radio Frequency Identification, 2018, 2, 134-143.	2.3	24
85	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
86	An IoT empowered flexible chipless RFID tag for low cost item identification. , 2017, , .		10
87	SIW slot antennas for passive microwave radiometer system. , 2017, , .		1
88	An integrated magnetic programming technique for mechanical microresonators. , 2017, , .		0
89	SIW slot antenna at Ka-band for soil moisture radiometer system. , 2017, , .		4
90	Comparative study of different power distribution methods for array antenna beamforming for soil moisture radiometer. , 2017, , .		4

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91	Design considerations of DP ACPA with higher isolation at Ku-band for soil moisture radiometer. , 2017, , .		0
92	Towards an inexpensive paper based flexible chipless RFID tag with increased data capacity. , 2017, , .		6
93	â€”â€™ slotted compact printable orientation insensitive chipless RFID tag for long range applications. , 2016, , .		4
94	A linearly polarized (LP) reader antenna for LP and orientation insensitive (OI) chipless RFID tags. , 2016, , .		7
95	Design and analysis of a novel low cost high data capacity chipless RFID tag on plastic substrate. , 2016, , .		5
96	High quality MEMS inductors for chipless RFID in harsh environment. , 2016, , .		0
97	A post-fabrication selective magnetic annealing technique in standard MEMS processes. Applied Physics Letters, 2016, 109, .	3.3	5
98	Electromagnetic characterization of soil moisture and salinity for UHF RFID applications in precision agriculture. , 2016, , .		9
99	Development of Wireless Transducer for Real-Time Remote Patient Monitoring. IEEE Sensors Journal, 2016, 16, 4669-4670.	4.7	21
100	A Passive RF Sensor for Detecting Simultaneous Partial Discharge Signals Using Timeâ€“Frequency Analysis. IEEE Sensors Journal, 2016, 16, 2339-2348.	4.7	13
101	Fully printable chipless RFID multi-parameter sensor. Sensors and Actuators A: Physical, 2016, 248, 223-232.	4.1	42
102	Graduate skills development of undergraduate students in wireless and guided electromagnetism. , 2016, , .		0
103	Chipless RFID tags and sensors: a review on time-domain techniques. Wireless Power Transfer, 2015, 2, 62-77.	1.1	60
104	Special issue on chipless technologies. Wireless Power Transfer, 2015, 2, 61-61.	1.1	0
105	Anti-collision methods for chipless RFID systems. , 2015, , .		5
106	Chipless RFID strain sensors: A novel feasibility analysis in terms of conventional patch antennas. , 2015, , .		5
107	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
108	A compact printable dual-polarized chipless RFID tag using slot length variation in 'I' slot resonators. , 2015, , .		11

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109	On the study of fabrication errors on mm-wave antenna. , 2015, , .		2
110	An advanced tag detection technique for chipless RFID systems. , 2015, , .		6
111	4 by 4 ultra-wideband millimeter-wave printed log-periodic dipole array antenna. , 2015, , .		3
112	A 4×4 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
113	A transducer architecture for wireless monitoring of sleep apnoea patients. , 2015, , .		0
114	Chipless RFID Reader: Low-cost wideband printed dipole array antenna. IEEE Antennas and Propagation Magazine, 2015, 57, 18-29.	1.4	9
115	Compact Printable Chipless RFID Systems. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 3785-3793.	4.6	66
116	Smart Sensing: Chipless RFID Solutions for the Internet of Everything. IEEE Microwave Magazine, 2015, 16, 26-39.	0.8	87
117	Novel MIMO-based technique for EM-imaging of chipless RFID. , 2015, , .		9
118	A novel time domain reflectometry based chipless RFID soil moisture sensor. , 2015, , .		5
119	On a compact printable dual-polarized chipless RFID tag using slot length variation encoding technique for barcode replacement. , 2015, , .		11
120	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
121	ML detection based SISO Chipless RFID tag reading. , 2014, , .		5
122	Cross-polarized printable chipless RFID tag with superior data capacity. , 2014, , .		13
123	A feasible detection technique for chipless RFID systems based on likelihood. , 2014, , .		2
124	Soil moisture measurement using smart antennas. , 2014, , .		2
125	Image-based chipless RFID system with high content capacity for low cost tagging. , 2014, , .		11
126	Chipless RFID based high resolution crack sensing through SWB technology. , 2014, , .		13

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127	A maximum likelihood based tag detection technique for MIMO chipless RFID systems. , 2014, , .		6
128	University-industry research collaboration. , 2014, , .		0
129	A brief overview of chipless RFID sensors with EM transduction. , 2014, , .		3
130	A spectrally efficient chipless RFID tag based on split-wheel resonator. , 2014, , .		18
131	On the usage of diffraction effect for chipless RFID systems. , 2014, , .		1
132	Development of a Low Cost Printable Chipless RFID Humidity Sensor. IEEE Sensors Journal, 2014, 14, 140-149.	4.7	143
133	Smart Sensing Materials for Low-Cost Chipless RFID Sensor. IEEE Sensors Journal, 2014, 14, 2198-2207.	4.7	74
134	Chipless RFID tag for light sensing. , 2014, , .		10
135	Towards low-cost resolution optimized passive UHF RFID light sensing. , 2014, , .		7
136	An array of printed dipoles at 60 GHz. , 2014, , .		7
137	Tributes to IEEE Applied Electromagnetic Conference, Bhubaneswar, Odisha, India, 18â€”20 December 2013 [Conference Report]. IEEE Microwave Magazine, 2014, 15, 150-152.	0.8	0
138	Design of novel super wide band antennas close to the small antenna limitation theory. , 2014, , .		6
139	Cross-RCS based, high data capacity, chipless RFID system. , 2014, , .		12
140	Chipless RFID, an emerging technology. Annales Des Telecommunications/Annals of Telecommunications, 2013, 68, 359-359.	2.5	2
141	On the detection of chipless RFID through signal space representation. Annales Des Telecommunications/Annals of Telecommunications, 2013, 68, 437-445.	2.5	6
142	Dual-band modified complementary split ring resonator (MCSRR) based multi-resonator circuit for chipless RFID tag. , 2013, , .		18
143	Chipless RFID Tag Localization. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 4008-4017.	4.6	57
144	Introduction of electromagnetic image-based chipless RFID system. , 2013, , .		10

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145	A novel EM barcode for humidity sensing. , 2013, , .		20
146	Hold the Chips: Chipless Technology, an Alternative Technique for RFID. IEEE Microwave Magazine, 2013, 14, 56-65.	0.8	120
147	Sensor cooperation in wireless body area network using network coding for sleep apnoea monitoring system. , 2013, , .		5
148	A novel reader architecture for chipless RFID tags. , 2013, , .		5
149	POLYVINYL-ALCOHOL (PVA)-BASED RF HUMIDITY SENSOR IN MICROWAVE FREQUENCY. Progress in Electromagnetics Research B, 2013, 54, 149-166.	1.0	86
150	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
151	Efficient collision detection method in chipless RFID systems. , 2012, , .		3
152	Detection of UHF band impulse radio signal through Wavelet Packet Transform. , 2012, , .		1
153	Staircase power distribution of array antenna for UHF band RFID reader. , 2012, , .		2
154	60 GHz array antenna with new method of beam forming. , 2012, , .		2
155	Compact printable chipless RFID tags using polarization diversity. , 2012, , .		6
156	Aperture coupled UWB microstrip patch antenna array for mm-Wave chipless RFID tag reader. , 2012, , .		10
157	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
158	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
159	Development of a low cost printable humidity sensor for chipless RFID technology. , 2012, , .		41
160	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
161	MIMO based chipless RFID system. , 2012, , .		11
162	UWB-IR based detection for frequency-spectra based chipless RFID. , 2012, , .		13

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163	Orientation independent compact chipless RFID tag. , 2012, , .		49
164	Towards an intelligent EM barcode. , 2012, , .		7
165	COMPACT PRINTABLE ORIENTATION INDEPENDENT CHIPLESS RFID TAG. Progress in Electromagnetics Research C, 2012, 33, 55-66.	0.9	20
166	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
167	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
168	Microstrip lowpass filter based on split ring and complementary split ring resonators. Microwave and Optical Technology Letters, 2012, 54, 1723-1726.	1.4	28
169	A Novel Compact Printable Dual-Polarized Chipless RFID System. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 2142-2151.	4.6	166
170	Multiresonator-Based Chipless RFID. , 2012, , .		61
171	Band rejection controlled amplitude modulated non-uniform Electromagnetic Bandgap structure. , 2011, , .		0
172	Measurement of correlation coefficient for dynamic WBAN channels in sleep apnoea monitoring system. , 2011, , .		2
173	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
174	Chipless RFID for intelligent traffic information system. , 2011, , .		6
175	Signal Space Representation of Chipless RFID Tag Frequency Signatures. , 2011, , .		25
176	Passive RFID sensor for remote detection of Partial Discharge. , 2011, , .		3
177	Development of a chipless RFID temperature sensor using cascaded spiral resonators. , 2011, , .		42
178	Compact LTCC bandpass filter with vertically folded structure. Microwave and Optical Technology Letters, 2011, 53, 1389-1394.	1.4	4
179	Electromechanical controlled phased array dumbbell EBC beam steerer. Microelectronics Reliability, 2010, 50, 2093-2097.	1.7	1
180	Wireless Orthopedic Pin for Bone Healing and Growth: Antenna Development. IEEE Transactions on Antennas and Propagation, 2010, 58, 4069-4074.	5.1	12

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181	Chipless RFID: Bar Code of the Future. IEEE Microwave Magazine, 2010, 11, 87-97.	0.8	431
182	UWB chipless tag RFID reader design. , 2010, , .		21
183	Compact phase shifter for UHF RFID applications. , 2010, , .		1
184	Development of a phased array antenna for universal UHF RFID reader. , 2010, , .		11
185	Design of Chipless RFID Tag for Operation on Flexible Laminates. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 207-210.	4.0	76
186	Multiresonator based chipless RFID tag and dedicated RFID reader. , 2010, , .		10
187	Chipless RFID tag with integrated sensor. , 2010, , .		27
188	Development of digital control section of RFID reader for multi-bit chipless RFID tag reading. , 2010, , .		8
189	Improvement the Q-factor of multi-band inductor with 90 μm silicon substrate on plastic. , 2010, , .		0
190	Multiresonator-Based Chipless RFID System for Low-Cost Item Tracking. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 1411-1419.	4.6	430
191	Design of short range chipless RFID reader prototype. , 2009, , .		42
192	Design of fully printable chipless RFID tag on flexible substrate for secure banknote applications. , 2009, , .		11
193	Fully printable multi-bit chipless RFID transponder on flexible laminate. , 2009, , .		28
194	Phase-Encoded Chipless RFID Transponder for Large-Scale Low-Cost Applications. IEEE Microwave and Wireless Components Letters, 2009, 19, 509-511.	3.2	157
195	0.18 μm CMOS UWB LNA with new feedback configuration for optimization low noise, high gain and small area. , 2009, , .		0
196	Smart Antennas for Automatic Radio Frequency Identification Readers. , 2009, , 449-473.		6
197	Fast Beamforming of Compact Array Antenna. , 2009, , 183-200.		1
198	Investigation into paradigm junction capacitance and inductance of dumbbell-shaped slotted ground structures. International Journal of RF and Microwave Computer-Aided Engineering, 2008, 18, 464-475.	1.2	1

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199	Nonlinear propagation and wave mixing characteristics of pulses in semiconductor optical amplifiers. Microwave and Optical Technology Letters, 2008, 50, 1223-1227.	1.4	6
200	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
201	Development of Smart Antenna for RFID Reader. , 2008, , .		28
202	RFID Transponders. IEEE Microwave Magazine, 2008, 9, 90-103.	0.8	78
203	A Novel Chipless RFID System Based on Planar Multiresonators for Barcode Replacement. , 2008, , .		91
204	Development of A Low Cost Compact Low Profile Phase Array Antenna for RFID Applications. Lecture Notes in Electrical Engineering, 2008, , 333-342.	0.4	3
205	The development and design of a novel chipless RFID system for low-cost item tracking. , 2008, , .		10
206	Chipless Frequency Signature Based RFID Transponders. , 2008, , .		23
207	Wireless battery design for clock and DC motor. , 2008, , .		3
208	Efficient multiple access scheme for RFID system with multi-packet reception. , 2008, , .		1
209	A performance evaluation and analysis of Capture Effect in RFID system. , 2008, , .		0
210	Novel N - way Power Divider and Array Configuration for RFID Readers operating at 5.8 GHz. , 2008, , .		4
211	Development of a dual-planar RFID tag at 2.44GHz. , 2007, , .		1
212	A Novel L-Shaped RFID Tag Antenna. , 2007, , .		6
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214	A novel L-shaped RFID tag antenna. , 2007, , .		4
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