

R Gandhiraj

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

300
citations

1684188

5
h-index

1281871

11
g-index

44
all docs

44
docs citations

44
times ranked

119
citing authors

#	ARTICLE	IF	CITATIONS
1	Low cost digital transceiver design for Software Defined Radio using RTL-SDR. , 2013, , .		39
2	Modern analog and digital communication systems development using GNU Radio with USRP. Telecommunication Systems, 2014, 56, 367-381.	2.5	33
3	Analog and Digital Modulation Toolkit for Software Defined Radio. Procedia Engineering, 2012, 30, 1155-1162.	1.2	24
4	Exploiting GNU radio and USRP: An economical test bed for real time communication systems. , 2013, , .		24
5	Real time implementation of FMCW radar for target detection using GNU radio and USRP. , 2015, , .		21
6	Real-time communication system design using RTL-SDR and Raspberry Pi. , 2013, , .		15
7	An Experimental Study on Channel Estimation and Synchronization to Reduce Error Rate in OFDM Using GNU Radio. Procedia Computer Science, 2015, 46, 1056-1063.	2.0	15
8	Plug-ins for GNU Radio Companion. International Journal of Computer Applications, 2012, 52, 11-16.	0.2	14
9	OpenBTS based microtelecom model: A socio-economic boon to rural communities. , 2013, , .		11
10	Adaptive noise cancellation using NLMS algorithm in GNU radio. , 2017, , .		11
11	Steering Angle Prediction for Autonomous Driving using Federated Learning: The Impact of Vehicle-To-Everything Communication. , 2021, , .		10
12	Radiation pattern measurement of log-periodic antenna on GNU Radio platform. , 2014, , .		9
13	Applicability of MIMO and OFDM technology to SATCOM. , 2016, , .		9
14	Real-time video streaming using GStreamer in GNU Radio platform. , 2014, , .		7
15	MultiUser Spectrum Sensing based on Multitaper Method for Cognitive Environments. International Journal of Computer Applications, 2011, 22, 15-20.	0.2	6
16	Implementation of CDMA in GNU Radio. Procedia Computer Science, 2015, 46, 981-988.	2.0	5
17	Machine learning plug-ins for GNU Radio Companion. , 2014, , .		4
18	Implementation of noise cancellation using least mean square in GNU radio. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
19	Study of polyphase structure made easy using GNU Radio. , 2014, , .		3
20	Hyperspectral image denoising using legendre Fenchel Transformation for improved Multinomial Logistic Regression based classification. , 2015, , .		3
21	Big Data based system for Biomedical Image Classification. , 2021, , .		3
22	Spectrum Sensing Implementations for Software Defined Radio in Simulink. Procedia Engineering, 2012, 30, 1119-1128.	1.2	2
23	Measurement of radiation pattern of Quadrifilar Helix Antenna (QHA) using GNU Radio. , 2014, , .		2
24	Huffman coding and decoding using Android. , 2016, , .		2
25	Performance Improvement of Compressed Sensing Reconstruction Using Modified-AMP Algorithm. Advances in Intelligent Systems and Computing, 2016, , 471-480.	0.6	2
26	Capacity Analysis of Correlated MIMO in GEOSAT Downlink Land Mobile System. , 2018, , .		2
27	Implementation of Mixed Signal Architecture for Compressed Sensing on ECG Signal. Advances in Intelligent Systems and Computing, 2016, , 43-57.	0.6	2
28	V2X Based Emergency Corridor for Safe and Fast Passage of Emergency Vehicle. , 2021, , .		2
29	Compressive sensing based image acquisition and reconstruction analysis. , 2014, , .		1
30	Study of multirate systems and filter banks using GNU Radio. , 2015, , .		1
31	Shannon-Fano-Elias coding for Android using Qt. , 2016, , .		1
32	Huffman encoding and decoding algorithm using IJulia. , 2016, , .		1
33	Realization of Kalman filter in GNU radio. , 2017, , .		1
34	Classification of EMI Signatures for Smart Grid. , 2018, , .		1
35	Detection of Interference in C-Band Signals using K-Means Clustering. , 2020, , .		1
36	Evidence of Scatter in C-band Spatio-temporal Signals using Machine Learning Models. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
37	Linear algebra tool box for GNU radio companion. , 2015, , .		0
38	Multicast WebSDR implementation using RTL-SDR. , 2015, , .		0
39	Enhanced Performance of Novel Patch Antenna Sub-array Design for Use in L-Band Ground Station Receiver Terminals Linked to Aerospace Platforms. Lecture Notes in Networks and Systems, 2021, , 1175-1184.	0.7	0
40	Design and Parameters Measurement of Tin-Can Antenna Using Software Defined Radio. Communications in Computer and Information Science, 2018, , 558-568.	0.5	0