Hiren K Mewada

List of Publications by Year
in descending order

54 papers	234 citations	1307594 **7** h-index	1125743 **13** g-index
57 all docs	57 docs citations	57 times ranked	162 citing authors

#	ARTICLE	IF	CITATIONS
1	Spectral–Spatial Features Integrated Convolution Neural Network for Breast Cancer Classification. Sensors, 2020, 20, 4747.	3.8	30
2	UWB CPW fed 4-port connected ground MIMO antenna for sub-millimeter-wave 5G applications. AEJ - Alexandria Engineering Journal, 2022, 61, 6645-6658.	6.4	24
3	Millimeter-wave TE_{01}–TE_{11}–HE_{11} mode converter using overmoded circular waveguide. Journal of Electromagnetic Waves and Applications, 2018, 32, 1768-1778.	1.6	23
4	Inverted-L Shaped Wideband MIMO Antenna for Millimeter-Wave 5G Applications. Electronics (Switzerland), 2022, 11, 1387.	3.1	17
5	Automatic room information retrieval and classification from floor plan using linear regression model. International Journal on Document Analysis and Recognition, 2020, 23, 253-266.	3.4	11
6	High power millimeter-wave TE03 to TM11 mode converters. International Journal of Electronics, 2019, 106, 1141-1163.	1.4	8
7	Wavelet features embedded convolutional neural network for multiscale ear recognition. Journal of Electronic Imaging, 2020, 29, .	0.9	8
8	Low computation digital down converter using polyphase IIR filter. Circuit World, 2019, 45, 169-178.	0.9	7
9	Feature Descriptor Based Identity Retention and Tracking of Players Under Intense Occlusion in Soccer Videos. International Journal of Intelligent Engineering and Systems, 2018, 11, 31-41.	0.6	7
10	Identity Retention of Multiple Objects under Extreme Occlusion Scenarios using Feature Descriptors. Journal of Communications Software and Systems, 2018, 14, .	0.8	7
11	Receiver Acquisition Algorithms and Their Comparisons for BOC Modulated Satellite Navigation Signal. , 2012, , .		6
12	A Novel Structure Tensor Modulated Chan–Vese Model for Texture Image Segmentation. Computer Journal, 2015, 58, 2044-2060.	2.4	5
13	A low-cost and efficient cloud monitoring camera system design for imaging satellites. International Journal of Remote Sensing, 2019, 40, 2739-2758.	2.9	5
14	Ensemble learning of deep learning and traditional machine learning approaches for skin lesion segmentation and classification. Concurrency Computation Practice and Experience, 2022, 34, .	2.2	5
15	A robust autonomous navigation and mapping system based on GPS and LiDAR data for unconstraint environment. Earth Science Informatics, 2022, 15, 2703-2715.	3.2	5
16	Hybrid machine learning approach based intrusion detection in cloud: A metaheuristic assisted model. Multiagent and Grid Systems, 2022, 18, 21-43.	0.9	5
17	Concurrent design of active contour for image segmentation using Zynq ZC702. Computers and Electrical Engineering, 2018, 72, 631-643.	4.8	4
18	Substrate Integrated Waveguide based dual–band bandpass filter using split ring resonator and defected ground structure for SFCW Radar applications. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21508.	1.2	4

#	Article	IF	Citations
19	A novel substrate integrated waveguide (SIW) based highly selective filter for radar applications. Journal of Electromagnetic Waves and Applications, 2019, 33, 1718-1725.	1.6	4
20	Composite fuzzy-wavelet-based active contour for medical image segmentation. Engineering Computations, 2020, 37, 3525-3541.	1.4	4
21	Variable Kernel Based Chan-Vese Model for Image Segmentation. , 2009, , .		3
22	TM_{11} to HE_{11} mode converter in overmoded circular corrugated waveguide. IET Microwaves, Antennas and Propagation, 2019, 13, 1202-1207.	1.4	3
23	Sensitivity Analysis on Predicted Microwave Performance of Mode Converters with Geometrical Tolerances for 42-GHz Transmission Line Components. Fusion Science and Technology, 2019, 75, 234-243.	1.1	3
24	Phase Locked Loop System with SIW-based Bandpass Filter for D-band Microwave Interferometer. IETE Journal of Research, 2019, , 1-10.	2.6	3
25	Phase detection system based on digital signal processing in millimeter wave interferometer for fusion plasma diagnostics. Fusion Engineering and Design, 2020, 157, 111637.	1.9	3
26	Automated Tracking and Real Time Following of Moving Person for Robotics Applications. Journal of Automation, Mobile Robotics and Intelligent Systems, 0, , 31-37.	0.4	3
27	Dictionary Properties for Sparse Representation: Implementation and Analysis. Journal of Artificial Intelligence, 2017, 11, 1-8.	2.0	3
28	HMSIW based highly selective filter for radar applications. Circuit World, 2021, 47, 206-212.	0.9	2
29	QUASI-OPTIC BASED HE_{11} MITER BEND AT 42 GHZ FOR ECRH APPLICATION. Progress in Electromagnetics Research C, 2021, 108, 37-48.	0.9	2
30	A fast region-based active contour for non-rigid object tracking and its shape retrieval. PeerJ Computer Science, 2021, 7, e373.	4.5	2
31	SPOOF SURFACE PLASMON POLARITONS AND HALF-MODE SUBSTRATE INTEGRATED WAVEGUIDE BASED COMPACT BAND-PASS FILTER FOR RADAR APPLICATION. Progress in Electromagnetics Research M, 2021, 101, 25-35.	0.9	2
32	Object Tracking in Occlusion and Contrast Conditions using Patch-wise Sparse Method. International Journal of Intelligent Engineering and Systems, 2020, 13, 295-306.	0.6	2
33	Fast and Regularization less Active Contour. International Journal of Computer Applications, 2012, 47, 26-31.	0.2	2
34	Controlling of FPGA-Based Optical Polarimeter Using LabVIEW. Advances in Intelligent Systems and Computing, 2016, , 603-610.	0.6	2
35	Emission profile reconstruction of edge plasma of Aditya Tokamak. , 2013, , .		1
36	LabVIEW based High Precision Temperature Logger for the project PARAS. , 2015, , .		1

#	Article	IF	Citations
37	FPGA based disk controller and photon counter of optical polarimeter. , 2015, , .		1
38	Highly stable signal generation in microwave interferometer using PLLs. Fusion Engineering and Design, 2020, 161, 111993.	1.9	1
39	HMSIW- and QMSIW-based antenna for wireless communication application. Circuit World, 2021, ahead-of-print, .	0.9	1
40	Frequency domain despeckling technique for medical ultrasound images. Journal of Electrical Engineering, 2021, 72, 229-239.	0.7	1
41	Design and development of 42GHz transmission line for ECRH application. Fusion Engineering and Design, 2021, 173, 112799.	1.9	1
42	Substrate Integrated Waveguide Based Bandpass Filter with Defected Ground Structure for FMCW Radar Application. International Journal of Sensors, Wireless Communications and Control, 2020, 10, 421-429.	0.7	1
43	Sparse coded spatial pyramid matching and multi-kernel integrated SVM for non-linear scene classification. Journal of Electrical Engineering, 2021, 72, 374-380.	0.7	1
44	On constant BER analysis for adaptive modulation in WiMAX MISO system. , 2012, , .		0
45	Non-subsampled contourlet based deformable model for medical image segmentation. , 2014, , .		0
46	Interactive Head Control of Embroidery Machine using Embedded Web Server. International Journal of Online Engineering, 2017, 13, 83.	0.5	0
47	Hardware accelerated range Doppler algorithm for SAR data processing using Zynq processor. Circuit World, 2021, 47, 184-193.	0.9	0
48	A Novel Wideband Transition from Substrate Integrated Waveguide to Rectangular Waveguide. International Journal of Sensors, Wireless Communications and Control, 2021, 11, 348-354.	0.7	0
49	CORRUGATED SIW BASED BANDPASS FILTER FOR MICROWAVE INTERFEROMETER AND ISM BAND APPLICATION. Progress in Electromagnetics Research C, 2021, 108, 137-146.	0.9	0
50	Design and Development of DAQ and Processing System for FMCW RADAR. Advances in Intelligent Systems and Computing, 2018, , 53-64.	0.6	0
51	A Novel Substrate Integrated Waveguide (SIW) Based Highly Selective Filtering Power Divider. International Journal of Sensors, Wireless Communications and Control, 2020, 10, 430-436.	0.7	0
52	Landscape Change Detection Using Auto-optimized K-means Algorithm. , 2020, , .		0
53	COMPUTATIONLESS PALM-PRINT VERIFICATION USING WAVELET ORIENTED ZERO-CROSSING SIGNATURE. IIUM Engineering Journal, 2022, 23, 222-232.	0.8	0
54	Multi-Channel Local Binary Pattern Guided Convolutional Neural Network for Breast Cancer Classification. Open Biomedical Engineering Journal, 2021, 15, 132-140.	0.5	0