

Hiren K Mewada

List of Publications by Year in descending order

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162
citing authors

#	ARTICLE	IF	CITATIONS
1	COMPUTATIONLESS PALM-PRINT VERIFICATION USING WAVELET ORIENTED ZERO-CROSSING SIGNATURE. IJUM Engineering Journal, 2022, 23, 222-232.	0.8	0
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	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
4	A robust autonomous navigation and mapping system based on GPS and LiDAR data for unconstrained environment. Earth Science Informatics, 2022, 15, 2703-2715.	3.2	5
5	Inverted-L Shaped Wideband MIMO Antenna for Millimeter-Wave 5G Applications. Electronics (Switzerland), 2022, 11, 1387.	3.1	17
6	Hybrid machine learning approach based intrusion detection in cloud: A metaheuristic assisted model. Multiagent and Grid Systems, 2022, 18, 21-43.	0.9	5
7	HMSIW based highly selective filter for radar applications. Circuit World, 2021, 47, 206-212.	0.9	2
8	Hardware accelerated range Doppler algorithm for SAR data processing using Zynq processor. Circuit World, 2021, 47, 184-193.	0.9	0
9	QUASI-OPTIC BASED HE₁₁ MITER BEND AT 42 GHZ FOR ECRH APPLICATION. Progress in Electromagnetics Research C, 2021, 108, 37-48.	0.9	2
10	HMSIW- and QMSIW-based antenna for wireless communication application. Circuit World, 2021, ahead-of-print, .	0.9	1
11	A fast region-based active contour for non-rigid object tracking and its shape retrieval. PeerJ Computer Science, 2021, 7, e373.	4.5	2
12	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
13	Frequency domain despeckling technique for medical ultrasound images. Journal of Electrical Engineering, 2021, 72, 229-239.	0.7	1
14	Design and development of 42GHz transmission line for ECRH application. Fusion Engineering and Design, 2021, 173, 112799.	1.9	1
15	CORRUGATED SIW BASED BANDPASS FILTER FOR MICROWAVE INTERFEROMETER AND ISM BAND APPLICATION. Progress in Electromagnetics Research C, 2021, 108, 137-146.	0.9	0
16	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
17	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
18	Multi-Channel Local Binary Pattern Guided Convolutional Neural Network for Breast Cancer Classification. Open Biomedical Engineering Journal, 2021, 15, 132-140.	0.5	0

#	ARTICLE	IF	CITATIONS
19	Composite fuzzy-wavelet-based active contour for medical image segmentation. Engineering Computations, 2020, 37, 3525-3541.	1.4	4
20	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
21	Spectral-Spatial Features Integrated Convolution Neural Network for Breast Cancer Classification. Sensors, 2020, 20, 4747.	3.8	30
22	Highly stable signal generation in microwave interferometer using PLLs. Fusion Engineering and Design, 2020, 161, 111993.	1.9	1
23	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
24	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
25	Wavelet features embedded convolutional neural network for multiscale ear recognition. Journal of Electronic Imaging, 2020, 29, .	0.9	8
26	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
27	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
28	Landscape Change Detection Using Auto-optimized K-means Algorithm. , 2020, , .		0
29	TM ₁₁ to HE ₁₁ mode converter in overmoded circular corrugated waveguide. IET Microwaves, Antennas and Propagation, 2019, 13, 1202-1207.	1.4	3
30	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
31	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
32	Phase Locked Loop System with SIW-based Bandpass Filter for D-band Microwave Interferometer. IETE Journal of Research, 2019, , 1-10.	2.6	3
33	High power millimeter-wave TE ₀₃ to TM ₁₁ mode converters. International Journal of Electronics, 2019, 106, 1141-1163.	1.4	8
34	Low computation digital down converter using polyphase IIR filter. Circuit World, 2019, 45, 169-178.	0.9	7
35	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
36	Concurrent design of active contour for image segmentation using Zynq ZC702. Computers and Electrical Engineering, 2018, 72, 631-643.	4.8	4

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37	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
38	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
39	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
40	Identity Retention of Multiple Objects under Extreme Occlusion Scenarios using Feature Descriptors. Journal of Communications Software and Systems, 2018, 14, .	0.8	7
41	Design and Development of DAQ and Processing System for FMCW RADAR. Advances in Intelligent Systems and Computing, 2018, , 53-64.	0.6	0
42	Interactive Head Control of Embroidery Machine using Embedded Web Server. International Journal of Online Engineering, 2017, 13, 83.	0.5	0
43	Dictionary Properties for Sparse Representation: Implementation and Analysis. Journal of Artificial Intelligence, 2017, 11, 1-8.	2.0	3
44	Controlling of FPGA-Based Optical Polarimeter Using LabVIEW. Advances in Intelligent Systems and Computing, 2016, , 603-610.	0.6	2
45	LabVIEW based High Precision Temperature Logger for the project PARAS. , 2015, , .		1
46	FPGA based disk controller and photon counter of optical polarimeter. , 2015, , .		1
47	A Novel Structure Tensor Modulated Chan-Vese Model for Texture Image Segmentation. Computer Journal, 2015, 58, 2044-2060.	2.4	5
48	Non-subsampled contourlet based deformable model for medical image segmentation. , 2014, , .		0
49	Emission profile reconstruction of edge plasma of Aditya Tokamak. , 2013, , .		1
50	On constant BER analysis for adaptive modulation in WiMAX MISO system. , 2012, , .		0
51	Receiver Acquisition Algorithms and Their Comparisons for BOC Modulated Satellite Navigation Signal. , 2012, , .		6
52	Fast and Regularization less Active Contour. International Journal of Computer Applications, 2012, 47, 26-31.	0.2	2
53	Variable Kernel Based Chan-Vese Model for Image Segmentation. , 2009, , .		3
54	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