

Linga Reddy Cenkeramaddi

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

817
citations

687363

13
h-index

610901

24
g-index

81
all docs

81
docs citations

81
times ranked

506
citing authors

#	ARTICLE	IF	CITATIONS
1	Anam-Net: Anamorphic Depth Embedding-Based Lightweight CNN for Segmentation of Anomalies in COVID-19 Chest CT Images. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 932-946.	11.3	95
2	Mini-COVIDNet: Efficient Lightweight Deep Neural Network for Ultrasound Based Point-of-Care Detection of COVID-19. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 2023-2037.	3.0	50
3	The Modular X- and Gamma-Ray Sensor (MXGS) of the ASIM Payload on the International Space Station. Space Science Reviews, 2019, 215, 1.	8.1	42
4	Embedded Sensors, Communication Technologies, Computing Platforms and Machine Learning for UAVs: A Review. IEEE Sensors Journal, 2022, 22, 1807-1826.	4.7	42
5	Localization and Activity Classification of Unmanned Aerial Vehicle Using mmWave FMCW Radars. IEEE Sensors Journal, 2021, 21, 16043-16053.	4.7	39
6	GPS Spoofing Detection and Mitigation for Drones Using Distributed Radar Tracking and Fusion. IEEE Sensors Journal, 2022, 22, 11122-11134.	4.7	39
7	Deep Learning-Based Sign Language Digits Recognition From Thermal Images With Edge Computing System. IEEE Sensors Journal, 2021, 21, 10445-10453.	4.7	33
8	Design and Implementation of Deep Learning Based Contactless Authentication System Using Hand Gestures. Electronics (Switzerland), 2021, 10, 182.	3.1	32
9	Target Classification by mmWave FMCW Radars Using Machine Learning on Range-Angle Images. IEEE Sensors Journal, 2021, 21, 19993-20001.	4.7	30
10	Self-Powered IoT Device for Indoor Applications. , 2018, , .		29
11	Robust Hand Gestures Recognition Using a Deep CNN and Thermal Images. IEEE Sensors Journal, 2021, 21, 26602-26614.	4.7	28
12	Recent Advances and Future Directions of Microwave Photonic Radars: A Review. IEEE Sensors Journal, 2021, 21, 21144-21158.	4.7	28
13	A Survey on Sensors for Autonomous Systems. , 2020, , .		26
14	Video Hand Gestures Recognition Using Depth Camera and Lightweight CNN. IEEE Sensors Journal, 2022, 22, 14610-14619.	4.7	24
15	A Novel Angle Estimation for mmWave FMCW Radars Using Machine Learning. IEEE Sensors Journal, 2021, 21, 9833-9843.	4.7	22
16	Design and Prototype Implementation of Long-Range Self-Powered Wireless IoT Devices. , 2018, , .		13
17	Classification of Targets Using Statistical Features from Range FFT of mmWave FMCW Radars. Electronics (Switzerland), 2021, 10, 1965.	3.1	13
18	Multi-application Based Network-on-Chip Design for Mesh-of-Tree Topology Using Global Mapping and Reconfigurable Architecture. , 2019, , .		12

#	ARTICLE	IF	CITATIONS
19	Radio Frequency Spectrum Sensing by Automatic Modulation Classification in Cognitive Radio System Using Multiscale Deep CNN. IEEE Sensors Journal, 2022, 22, 926-938.	4.7	12
20	Self-powered IoT Device based on Energy Harvesting for Remote Applications. , 2018, , .		11
21	Spectrum cartography techniques, challenges, opportunities, and applications: A survey. Pervasive and Mobile Computing, 2022, 79, 101511.	3.3	11
22	Improving Quality-of-Service in Cluster-Based UAV-Assisted Edge Networks. IEEE Transactions on Network and Service Management, 2022, 19, 1903-1919.	4.9	11
23	Design and Implementation of an Ultra-Low Power Wake-up Radio for Wireless IoT Devices. , 2018, , .		10
24	Object Classification Technique for mmWave FMCW Radars using Range-FFT Features. , 2021, , .		10
25	Flexible Spare Core Placement in Torus Topology Based NoCs and Its Validation on an FPGA. IEEE Access, 2021, 9, 45935-45954.	4.2	9
26	Design and implementation of a long-range low-power wake-up radio for IoT devices. , 2019, , .		8
27	Bollard Segmentation and Position Estimation From Lidar Point Cloud for Autonomous Mooring. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-9.	6.3	8
28	Reward criteria impact on the performance of reinforcement learning agent for autonomous navigation. Applied Soft Computing Journal, 2022, 126, 109241.	7.2	8
29	Reinforcement Learning Based Fault-Tolerant Routing Algorithm for Mesh Based NoC and Its FPGA Implementation. IEEE Access, 2022, 10, 44724-44737.	4.2	7
30	Angle and Height Estimation Technique for Aerial Vehicles using mmWave FMCW Radar. , 2021, , .		6
31	A new, high-voltage 4H-SiC lateral dual sidewall schottky (LDSS) rectifier: theoretical investigation and analysis. IEEE Transactions on Electron Devices, 2003, 50, 1690-1693.	3.0	5
32	Joint Resource Allocation and UAV Scheduling With Ground Radio Station Sleeping. IEEE Access, 2021, 9, 124505-124518.	4.2	5
33	Rate-Splitting Random Access Mechanism for Massive Machine Type Communications in 5G Cellular Internet-of-Things. , 2021, , .		5
34	RAMAN: Reinforcement Learning Inspired Algorithm for Mapping Applications onto Mesh Network-on-Chip. , 2021, , .		5
35	Lightweight deep convolutional neural network for background sound classification in speech signals. Journal of the Acoustical Society of America, 2022, 151, 2773-2786.	1.1	5
36	2D-simulation and analysis of lateral SiC N-emitter SiGe P-base Schottky metal-collector (NPM) HBT on SOI. Microelectronics Reliability, 2003, 43, 1145-1149.	1.7	4

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37	Analysis and Design of a 1V Charge Sampling Readout Amplifier in 90nm CMOS for Medical Imaging. , 2007, , .		4
38	Low-energy CZT detector array for the ASIM mission. , 2012, , .		4
39	Current Modulation Induced Stability in Laser Diode Under High Optical Feedback Strength. IEEE Access, 2021, 9, 49537-49546.	4.2	4
40	LTE-based passive radars and applications: a review. International Journal of Remote Sensing, 2021, 42, 7489-7518.	2.9	4
41	A Velocity Estimation Technique for a Monocular Camera Using mmWave FMCW Radars. Electronics (Switzerland), 2021, 10, 2397.	3.1	4
42	Cyber-Physical Systems for Smart Water Networks: A Review. IEEE Sensors Journal, 2021, 21, 26447-26469.	4.7	4
43	Autonomous Mooring towards Autonomous Maritime Navigation and Offshore Operations. , 2020, , .		4
44	Enhanced User Grouping and Pairing Scheme for CoMP-NOMA-based Cellular Networks. , 2022, , .		4
45	Low resolution thermal imaging dataset of sign language digits. Data in Brief, 2022, 41, 107977.	1.0	4
46	Design and implementation of a long-range low-power wake-up radio and customized DC-MAC protocol for LoRaWAN. , 2019, , .		3
47	Fault-Tolerant Application-Specific Topology-Based NoC and Its Prototype on an FPGA. IEEE Access, 2021, 9, 76759-76779.	4.2	3
48	Design and Implementation of Density Sensor for Liquids Using Fiber Bragg Grating Sensor. IEEE Photonics Journal, 2022, 14, 1-6.	2.0	3
49	Updating thermal imaging dataset of hand gestures with unique labels. Data in Brief, 2022, 42, 108037.	1.0	3
50	Self-biased charge sampling amplifier in 90nm CMOS for medical ultrasound imaging. , 2007, , .		2
51	Front-end IC design for intravascular ultrasound imaging. , 2008, , .		2
52	1V transimpedance amplifier in 90nm CMOS for medical ultrasound imaging. , 2009, , .		2
53	Clock jitter impact on the performance of general charge sampling amplifiers. Analog Integrated Circuits and Signal Processing, 2010, 63, 93-100.	1.4	2
54	Radio measurements on a customized software defined radio module: A case study of energy detection spectrum sensing. , 2017, , .		2

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55	Design of Software and Data Analytics for Self-Powered Wireless IoT Devices. , 2018, , .		2
56	Fault Tolerant Routing Methodology for Mesh-of-Tree based Network-on-Chips using Local Reconfiguration. , 2018, , .		2
57	A Self-Powered Long-range Wireless IoT Device based on LoRaWAN. , 2020, , .		2
58	Localization of Multi-Class On-Road and Aerial Targets Using mmWave FMCW Radar. Electronics (Switzerland), 2021, 10, 2905.	3.1	2
59	Face Recognition using mmWave RADAR imaging. , 2021, , .		2
60	Inverter-based 1ÂV analog front-end amplifiers in 90Ânm CMOS for medical ultrasound imaging. Analog Integrated Circuits and Signal Processing, 2011, 67, 73-83.	1.4	1
61	Mixed signal system design (A project based course). , 2014, , .		1
62	Spectrum cartography using adaptive radial basis functions: Experimental validation. , 2017, , .		1
63	UDP flows in Cognitive Radios with Channel Aggregation and Fragmentation: A Test-bed Based Evaluation. , 2018, , .		1
64	Design, Development and Deployment of Low-Cost Short-Range Self-Powered Wireless IoT Devices. , 2018, , .		1
65	Multi-application Based Fault-Tolerant Network-on-Chip Design for Mesh Topology Using Reconfigurable Architecture. Communications in Computer and Information Science, 2019, , 442-454.	0.5	1
66	Novel Fault-Tolerant Routing Technique for ZMesh Topology based Network-on-Chip Design. , 2020, , .		1
67	Fault-Tolerant Application Mapping on to ZMesh topology based Network-on-Chip Design. , 2020, , .		1
68	Hand Gesture Classification Using Grayscale Thermal Images and Convolutional Neural Network. , 2021, , .		1
69	Readout and Control Circuit for a Four Pixel Digital Camera as Semester Project. , 2007, , .		0
70	Inverter-based 1V transimpedance amplifier in 90nm CMOS for medical ultrasound imaging. , 2009, , .		0
71	BCO front-end electronics and signal processing in the MXGS instrument for the ASIM mission. , 2012, , .		0
72	Experimental validation for spectrum cartography using adaptive multi-kernels. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
73	Implementation of a two stage fully-blind self-adapted spectrum sensing algorithm. , 2017, , .		0
74	Feedback Biasing Based Adjustable Gain Ultrasound Preamplifier for CMUTs in 45nm CMOS. , 2018, , .		0
75	Sensor Data Compression Based on Re-Quantization of Sensor Data. , 2018, , .		0
76	Smart Brewery Controller. , 2018, , .		0
77	Phase-noise Impact on the Performance of mmWave-radars. , 2019, , .		0
78	Architectural Implementation of a Reconfigurable NoC Design for Multi-Applications. , 2021, , .		0
79	Message from the Technical Program Chairs iSES 2020. , 2020, , .		0
80	SIC-RSRA for Massive Machine-to-Machine Communications in 5G Cellular IoT. , 2022, , .		0