

Lakshmi Sutha Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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citations

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docs citations

34
times ranked

278
citing authors

#	ARTICLE	IF	CITATIONS
1	Truncated Gamma Drop Size Distribution Models for Rain Attenuation in Singapore. IEEE Transactions on Antennas and Propagation, 2010, 58, 1325-1335.	5.1	43
2	Globally accessible machine automation using Raspberry pi based on Internet of Things. , 2015, , .		38
3	TROPICAL RAIN CLASSIFICATION AND ESTIMATION OF RAIN FROM Z-R (REFLECTIVITY-RAIN RATE) RELATIONSHIPS. Progress in Electromagnetics Research B, 2011, 32, 107-127.	1.0	34
4	Two-Parameter Gamma Drop Size Distribution Models for Singapore. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 3371-3380.	6.3	31
5	Speech emotion recognition using cepstral features extracted with novel triangular filter banks based on bark and ERB frequency scales. , 2020, 104, 102763.		23
6	Performance Comparison of Different Cepstral Features for Speech Emotion Recognition. , 2018, , .		21
7	Sign Languages to Speech Conversion Prototype using the SVM Classifier. , 2019, , .		20
8	Optimal Energy Transfer Pipe Arrangement for Acoustic Drill String Telemetry. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 6999-7007.	6.3	16
9	Recognition of Spoken Languages from Acoustic Speech Signals Using Fourier Parameters. Circuits, Systems, and Signal Processing, 2019, 38, 5018-5067.	2.0	14
10	Paradigm shifts in super-resolution techniques for remote sensing applications. Visual Computer, 2021, 37, 1965-2008.	3.5	14
11	Automatic cloud segmentation from INSAT-3D satellite image via IKM and IFCM clustering. IET Image Processing, 2020, 14, 1273-1280.	2.5	13
12	Image contrast enhancement by automatic multi-histogram equalization for satellite images. , 2017, , .		11
13	Comparison of S-Band Radar Attenuation Prediction With Beacon Measurements. IEEE Transactions on Antennas and Propagation, 2012, 60, 4892-4900.	5.1	10
14	Slant-path rain attenuation at different elevation angles for tropical region. , 2009, , .		7
15	Optimization of acoustic communication for industrial drilling. , 2013, , .		6
16	Super-Resolution Based Deep Learning Techniques for Panchromatic Satellite Images in Application to Pansharpening. IEEE Access, 2020, 8, 162099-162121.	4.2	6
17	Remote Sensing Signature Classification of Agriculture Detection Using Deep Convolution Network Models. Communications in Computer and Information Science, 2020, , 343-355.	0.5	6
18	SHAPE SLOPE PARAMETER DISTRIBUTION MODELLING OF ELECTROMAGNETIC SCATTERING BY RAIN DROPS. Progress in Electromagnetics Research B, 2010, 25, 191-209.	1.0	5

#	ARTICLE	IF	CITATIONS
19	Downhole pipe selection and arrangement for acoustic drillstring telemetry. , 2012, , .		5
20	Performance of channel coding and equalization for acoustic telemetry along drill strings. , 2014, , .		5
21	Design of Deep Convolution Neural Networks for categorical signature classification of raw panchromatic satellite images. Multimedia Tools and Applications, 2022, 81, 28367-28404.	3.9	4
22	Design of coded digital telemetry system for acoustic downhole channel with drilling noise. , 2013, , .		3
23	GPS derived PWV for monitoring cloud evolution. , 2017, , .		3
24	Speaker-Independent Japanese Isolated Speech Word Recognition Using TDRC Features. , 2018, , .		3
25	Super-resolution decision-making tool using deep convolution neural networks for panchromatic images. Multimedia Tools and Applications, 2021, 80, 25033.	3.9	3
26	Digital Architecture for Instantaneous V/LUV/S Classification of Noise Free Speech Segments. , 2020, , .		2
27	Comparison of precipitable water vapor derived from GPS and radiosonde data for Singapore. , 2014, , .		1
28	Performance analysis of Satellite Image Super Resolution using Deep Learning Techniques. , 2019, , .		1
29	Effectiveness of Super-Resolution Technique on Vegetation Indices. IEEE Access, 2021, 9, 97197-97227.	4.2	1
30	Calculation and analysis of cloud attenuation and other cloud parameters in India for earth-space links. Advances in Space Research, 2021, 68, 3957-3970.	2.6	1
31	Pansharpening for Better Spectral and Spatial Clarity. , 2020, , .		1
32	25 to 300 Degree celsius 80bps acoustic transmitter based on crystal-less temperature-independent frequency reference with differential modulation for drilling noise power cancellation. , 2013, , .		0
33	Atmospheric refractivity profile using the radiosonde data over Indian region. , 2015, , .		0
34	An Audio-Aided Face and Text Recognition System for Visually Impaired. Lecture Notes in Electrical Engineering, 2021, , 17-26.	0.4	0