Lakshmi Sutha Kumar

List of Publications by Year
in descending order

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34	351	1163117	1058476
papers	citations	8	14
		h-index	g-index

34	34	34	278
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Paradigm shifts in super-resolution techniques for remote sensing applications. Visual Computer, 2021, 37, 1965-2008.	3.5	14
3	An Audio-Aided Face and Text Recognition System for Visually Impaired. Lecture Notes in Electrical Engineering, 2021, , 17-26.	0.4	0
4	Effectiveness of Super-Resolution Technique on Vegetation Indices. IEEE Access, 2021, 9, 97197-97227.	4.2	1
5	Super-resolution decision-making tool using deep convolution neural networks for panchromatic images. Multimedia Tools and Applications, 2021, 80, 25033.	3.9	3
6	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
7	Super-Resolution Based Deep Learning Techniques for Panchromatic Satellite Images in Application to Pansharpening. IEEE Access, 2020, 8, 162099-162121.	4.2	6
8	Digital Architecture for Instantaneous V/UV/S Classification of Noise Free Speech Segments. , 2020, , .		2
9	Automatic cloud segmentation from INSATâ€3D satellite image via IKM and IFCM clustering. IET Image Processing, 2020, 14, 1273-1280.	2.5	13
10	Speech emotion recognition using cepstral features extracted with novel triangular filter banks based on bark and ERB frequency scales. , 2020, 104, 102763.		23
11	Remote Sensing Signature Classification of Agriculture Detection Using Deep Convolution Network Models. Communications in Computer and Information Science, 2020, , 343-355.	0.5	6
12	Pansharpening for Better Spectral and Spatial Clarity. , 2020, , .		1
13	Recognition of Spoken Languages from Acoustic Speech Signals Using Fourier Parameters. Circuits, Systems, and Signal Processing, 2019, 38, 5018-5067.	2.0	14
14	Performance analysis of Satellite Image Super Resolution using Deep Learning Techniques. , 2019, , .		1
15	Sign Languages to Speech Conversion Prototype using the SVM Classifier. , 2019, , .		20
16	Performance Comparison of Different Cepstral Features for Speech Emotion Recognition. , 2018, , .		21
17	Speaker-Independent Japanese Isolated Speech Word Recognition Using TDRC Features. , 2018, , .		3
18	Image contrast enhancement by automatic multi-histogram equalization for satellite images. , 2017, , .		11

#	Article	IF	Citations
19	GPS derived PWV for monitoring cloud evolution. , 2017, , .		3
20	Atmospheric refractivity profile using the radiosonde data over Indian region. , 2015, , .		0
21	Globally accessible machine automation using Raspberry pi based on Internet of Things. , 2015, , .		38
22	Performance of channel coding and equalization for acoustic telemetry along drill strings. , 2014, , .		5
23	Optimal Energy Transfer Pipe Arrangement for Acoustic Drill String Telemetry. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 6999-7007.	6.3	16
24	Comparison of precipitable water vapor derived from GPS and radiosonde data for Singapore. , 2014, , .		1
25	Design of coded digital telemetry system for acoustic downhole channel with drilling noise. , 2013, , .		3
26	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
27	Optimization of acoustic communication for industrial drilling. , 2013, , .		6
28	Downhole pipe selection and arrangement for acoustic drillstring telemetry. , 2012, , .		5
29	Comparison of S-Band Radar Attenuation Prediction With Beacon Measurements. IEEE Transactions on Antennas and Propagation, 2012, 60, 4892-4900.	5.1	10
30	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
31	Two-Parameter Gamma Drop Size Distribution Models for Singapore. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 3371-3380.	6.3	31
32	SHAPE SLOPE PARAMETER DISTRIBUTION MODELLING OF ELECTROMAGNETIC SCATTERING BY RAIN DROPS. Progress in Electromagnetics Research B, 2010, 25, 191-209.	1.0	5
33	Truncated Gamma Drop Size Distribution Models for Rain Attenuation in Singapore. IEEE Transactions on Antennas and Propagation, 2010, 58, 1325-1335.	5.1	43
34	Slant-path rain attenuation at different elevation angles for tropical region. , 2009, , .		7