

Karbhari V Kale

List of Publications by Year in descending order

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83
papers

538
citations

1170033

9
h-index

993246

17
g-index

90
all docs

90
docs citations

90
times ranked

490
citing authors

#	ARTICLE	IF	CITATIONS
1	An innovative IoT based system for precision farming. Computers and Electronics in Agriculture, 2021, 187, 106291.	3.7	38
2	Jowar (Sorghum) Crop Health Assessment Using Hyperspectral Data. , 2021, , .		1
3	Estimation of soil nitrogen in agricultural regions by VNIR reflectance spectroscopy. SN Applied Sciences, 2020, 2, 1.	1.5	8
4	Classification of complex environments using pixel level fusion of satellite data. Multimedia Tools and Applications, 2020, 79, 34737-34769.	2.6	9
5	Comparison of Neural Network Training Functions for Prediction of Outgoing Longwave Radiation over the Bay of Bengal. Advances in Intelligent Systems and Computing, 2020, , 411-419.	0.5	2
6	Human Electroencephalographic Biometric Person Recognition System. Lecture Notes in Networks and Systems, 2019, , 83-92.	0.5	0
7	Recent Advances and Challenges in Automatic Hyperspectral Endmember Extraction. Lecture Notes in Networks and Systems, 2019, , 445-455.	0.5	3
8	Reckoning of Photosynthetic Pigments Using Remotely Sensed Spectral Responses of Vigna Radiata Crop for Surge Monitoring. Lecture Notes in Networks and Systems, 2019, , 717-726.	0.5	1
9	Urban LULC Change Detection and Mapping Spatial Variations of Aurangabad City Using IRS LISS-III Temporal Datasets and Supervised Classification Approach. Lecture Notes in Networks and Systems, 2019, , 369-386.	0.5	4
10	Accuracy Assessment of Classification on Landsat-8 Data for Land Cover and Land Use of an Urban Area by Applying Different Image Fusion Techniques and Varying Training Samples. Lecture Notes in Electrical Engineering, 2019, , 189-198.	0.3	1
11	Estimation of Water Contents from Vegetation Using Hyperspectral Indices. Lecture Notes in Electrical Engineering, 2019, , 247-255.	0.3	3
12	Design and Development of Ground Truth Collection Platform Using Android and Leaflet Library. Communications in Computer and Information Science, 2019, , 520-528.	0.4	2
13	Identification and Classification of Water Stressed Crops Using Hyperspectral Data: A Case Study of Paithan Tehsil. Lecture Notes in Networks and Systems, 2019, , 911-919.	0.5	1
14	Digital Assessment of Spatial Distribution of the Surface Soil Types Using Spatial (Texture) Features with MLC and SVM Approaches. Lecture Notes in Networks and Systems, 2019, , 735-743.	0.5	1
15	Spectral Feature Extraction and Classification of Soil Types Using EO-1 Hyperion and Field Spectroradiometer Data Based on PCA and SVM. Lecture Notes in Electrical Engineering, 2019, , 525-533.	0.3	3
16	Impact of Dimensionality Reduction Techniques on Endmember Identification in Hyperspectral Imagery. Communications in Computer and Information Science, 2019, , 493-504.	0.4	2
17	Hyperspectral and Multispectral Remote Sensing Data Fusion for Classification of Complex-Mixed Land Features Using SVM. Communications in Computer and Information Science, 2019, , 345-362.	0.4	2
18	Crop Discrimination Based on Reflectance Spectroscopy Using Spectral Vegetation Indices (SVI). Communications in Computer and Information Science, 2019, , 312-322.	0.4	0

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19	Evaluation of Pretreatment Methods for Prediction of Soil Micronutrients from Hyperspectral Data. Communications in Computer and Information Science, 2019, , 380-390.	0.4	0
20	Role of Lens Position and Illumination Source for Acquiring Non-imaging Hyperspectral Data to Estimate Biophysical Characteristics of Leaves. Communications in Computer and Information Science, 2019, , 391-396.	0.4	0
21	Comparative Study and Analysis of Dimensionality Reduction Techniques for Hyperspectral Data. Communications in Computer and Information Science, 2019, , 534-546.	0.4	2
22	Gossypium Plant Health Detection from Hyperspectral Data using Various Disease Indices. International Journal of Engineering and Advanced Technology, 2019, 9, 7129-7135.	0.2	0
23	Analysis of Heart Rate Variability in Biometric Identification. , 2018, , .		0
24	Enhancement of Land Cover and Land Use Classification Accuracy Using Spectral and Textural Features of Fused Images. Communications in Computer and Information Science, 2018, , 317-325.	0.4	2
25	Design and Development of IoT based System for Retrieval of Agrometeorological Parameters. , 2018, , .		4
26	Determination of soil physicochemical attributes in farming sites through visible, near-infrared diffuse reflectance spectroscopy and PLSR modeling. Ecological Processes, 2018, 7, .	1.6	29
27	Fuzzy convolution tactic for classification of spatial pattern and crop area. , 2017, , .		2
28	Performance evaluation of urban areas Land Use classification from Hyperspectral data by using Mahalanobis classifier. , 2017, , .		5
29	Application of Remote Sensing for Assessing Forest Cover Conditions of Aurangabad, (MS), India. Advances in Intelligent Systems and Computing, 2017, , 313-322.	0.5	0
30	Smart home safety device using frequency hopping approach based on GSM generation. , 2017, , .		0
31	A Research Review on Hyperspectral Data Processing and Analysis Algorithms. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2017, 87, 541-555.	0.8	32
32	Land use land cover change detection by different supervised classifiers on LISS-III temporal datasets. , 2017, , .		2
33	Synygium cumini plant photosynthetic pigment detection from hyperspectral datasets using spectral indices. , 2017, , .		1
34	Evaluation of soil conditions using spectral indices from hyperspectral datasets. , 2017, , .		1
35	Hyper spectral image analysis for human authentication. , 2017, , .		1
36	Assessment of soil organic matter through hyperspectral remote sensing data (VNIR spectroscopy) using PLSR method. , 2017, , .		2

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37	Performance analysis of fuzzy convolution tactic for classification of spatial pattern and crop area. , 2017, , .		0
38	3D Face & 3D Ear Recognition: Process and Techniques. , 2017, , .		4
39	Double Layer PCA based Hyper Spectral Face Recognition using KNN Classifier. , 2017, , .		5
40	Performance Analysis of Spectral Features Based on Narrowband Vegetation Indices for Cotton and Maize Crops by EO-1 Hyperion Dataset. Advances in Intelligent Systems and Computing, 2017, , 581-590.	0.5	1
41	Comparative Analysis of Different Land Use“Land Cover Classifiers on Remote Sensing LISS-III Sensors Dataset. Advances in Intelligent Systems and Computing, 2017, , 523-532.	0.5	1
42	Understanding the dynamics of Gautala Autramghat forest: A digital image classification approach. , 2016, , .		1
43	Segmentation of Thermal Images Using Thresholding-Based Methods for Detection of Malignant Tumours. Advances in Intelligent Systems and Computing, 2016, , 131-146.	0.5	6
44	Single electrode brain signal data fusion for security. , 2016, , .		1
45	Multi sensor, multi algorithm based face recognition & performance evaluation. , 2016, , .		2
46	Hyper spectral face image based biometric recognition. , 2016, , .		4
47	Heart-Based Biometrics and Possible Use of Heart Rate Variability in Biometric Recognition Systems. Advances in Intelligent Systems and Computing, 2016, , 15-29.	0.5	17
48	Analysis, Classification, and Estimation of Pattern for Land of Aurangabad Region Using High-Resolution Satellite Image. Advances in Intelligent Systems and Computing, 2016, , 413-427.	0.5	21
49	Feature Selection for Heart Rate Variability Based Biometric Recognition Using Genetic Algorithm. Advances in Intelligent Systems and Computing, 2016, , 91-101.	0.5	4
50	Hyperspectral imaging data atmospheric correction challenges and solutions using QUAC and FLAASH algorithms. , 2015, , .		19
51	Identification of plant species using non-imaging hyperspectral data. , 2015, , .		2
52	Soil type classification and mapping using hyperspectral remote sensing data. , 2015, , .		20
53	Crop and forest acreage estimation using expert system based knowledge classifier approach. , 2015, , .		0
54	Microcontroller based RR-Interval measurement using PPG signals for Heart Rate Variability based biometric application. , 2015, , .		15

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55	Computer based RR-Interval detection system with ectopy correction in HRV data. , 2015, , .		3
56	Heart Rate Variability for Biometric Authentication Using Time-Domain Features. Communications in Computer and Information Science, 2015, , 168-175.	0.4	7
57	Disaster management by integration of web services with geospatial data mining. , 2014, , .		9
58	Suitable sites identification for solid waste dumping using RS and GIS approach: A case study of Aurangabad, (MS) India. , 2014, , .		7
59	Speaker Recognition Using Marathi (Varhadi) Language. , 2014, , .		1
60	Syntactic and Structural Divergence in English-to-Marathi Machine Translation. , 2013, , .		5
61	Multimodal Biometric System Using Fingernail and Finger Knuckle. , 2013, , .		6
62	Handwritten Devanagari Compound Character Recognition Using Legendre Moment: An Artificial Neural Network Approach. , 2013, , .		8
63	Evaluation of fuzzy-based classifiers for cotton crop identification. Geocarto International, 2013, 28, 243-257.	1.7	7
64	Prediction of Brugia malayi Antigenic Peptides: Candidates for Synthetic Vaccine Design Against Lymphatic Filariasis. Protein and Peptide Letters, 2013, 20, 864-887.	0.4	9
65	Prediction of Wuchereria Bancrofti Troponin Antigenic Peptides: Application in Synthetic Vaccine Design to Counter Lymphatic Filariasis. Journal of Vaccines & Vaccination, 2013, 04, .	0.3	3
66	Cotton Crop Discrimination Using Fuzzy Classification Approach. Journal of the Indian Society of Remote Sensing, 2012, 40, 589-597.	1.2	17
67	Fingerprint Image De-noising through Decimated and Un-decimated Wavelet Transforms (WT). , 2009, , .		3
68	Metabolomics. Current Drug Metabolism, 2008, 9, 89-98.	0.7	50
69	Proteomics: Technologies for Protein Analysis. Current Drug Metabolism, 2008, 9, 213-220.	0.7	10
70	Computer Aided Multi Parameter Antigen Design: Impact of Synthetic Peptide Vaccines from Soybean Mosaic Virus. , 2008, , .		7
71	Oncogenomics. Current Drug Metabolism, 2008, 9, 199-206.	0.7	3
72	Microarray: An Approach for Current Drug Targets. Current Drug Metabolism, 2008, 9, 221-231.	0.7	16

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73	Clonetics. Current Drug Metabolism, 2008, 9, 190-192.	0.7	0
74	Pharmacogenomics. Current Drug Metabolism, 2008, 9, 207-212.	0.7	5
75	Prediction of MHC Binding Peptides and Epitopes from Alfalfa mosaic virus. Current Drug Discovery Technologies, 2007, 4, 117-125.	0.6	20
76	DNA Electronics: A Nanotechnology Approach. Current Nanoscience, 2007, 3, 161-165.	0.7	0
77	Assessment of Package Cohesion and Coupling Principles for Predicting the Quality of Object Oriented Design. , 2007, , .		4
78	Multi-Resolution System for MRI (Magnetic Resonance Imaging) Image Compression: A Heterogeneous Wavelet Filters Bank Approach. , 2007, , .		3
79	Uneven Background Extraction And Segmentation Of Good, Normal And Bad Quality Fingerprint Images. , 2006, , .		3
80	SWT based Composite Method for Fingerprint Image Enhancement. , 2006, , .		7
81	A Novel Approach For Segmentation of Good, Normal and Bad Quality Fingerprint Image. , 2006, , .		0
82	Automatic modelling of protein 3D structure Nucleoplasmin-like viral coat protein from Cucumber mosaic virus. , 2006, , .		1
83	Evaluation of Partially Overlapping 3D Point Cloud's Registration by using ICP variant and CloudCompare.. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-8, 891-897.	0.2	28