Karbhari V Kale

List of Publications by Year
in descending order

85	538	1040056	888059
papers	citations	9	17
		h-index	g-index

90	90	90	440
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metabolomics. Current Drug Metabolism, 2008, 9, 89-98.	1.2	50
2	An innovative IoT based system for precision farming. Computers and Electronics in Agriculture, 2021, 187, 106291.	7.7	38
3	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.	1.2	32
4	Determination of soil physicochemical attributes in farming sites through visible, near-infrared diffuse reflectance spectroscopy and PLSR modeling. Ecological Processes, 2018, 7, .	3.9	29
5	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
6	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.	0.6	21
7	Prediction of MHC Binding Peptides and Epitopes from Alfalfa mosaic virus. Current Drug Discovery Technologies, 2007, 4, 117-125.	1.2	20
8	Soil type classification and mapping using hyperspectral remote sensing data. , 2015, , .		20
9	Hyperspectral imaging data atmospheric correction challenges and solutions using QUAC and FLAASH algorithms. , 2015, , .		19
10	Cotton Crop Discrimination Using Fuzzy Classification Approach. Journal of the Indian Society of Remote Sensing, 2012, 40, 589-597.	2.4	17
11	Heart-Based Biometrics and Possible Use of Heart Rate Variability in Biometric Recognition Systems. Advances in Intelligent Systems and Computing, 2016, , 15-29.	0.6	17
12	Microarray: An Approach for Current Drug Targets. Current Drug Metabolism, 2008, 9, 221-231.	1.2	16
13	Microcontroller based RR-Interval measurement using PPG signals for Heart Rate Variability based biometric application. , 2015, , .		15
14	Proteomics: Technologies for Protein Analysis. Current Drug Metabolism, 2008, 9, 213-220.	1.2	10
15	Disaster management by integration of web services with geospatial data mining. , 2014, , .		9
16	Classification of complex environments using pixel level fusion of satellite data. Multimedia Tools and Applications, 2020, 79, 34737-34769.	3.9	9
17	Prediction of Brugia malayi Antigenic Peptides: Candidates for Synthetic Vaccine Design Against Lymphatic Filariasis. Protein and Peptide Letters, 2013, 20, 864-887.	0.9	9
18	Handwritten Devanagari Compound Character Recognition Using Legendre Moment: An Artificial Neural Network Approach. , 2013, , .		8

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19	Estimation of soil nitrogen in agricultural regions by VNIR reflectance spectroscopy. SN Applied Sciences, 2020, 2, 1.	2.9	8
20	SWT based Composite Method for Fingerprint Image Enhancement. , 2006, , .		7
21	Computer Aided Multi Parameter Antigen Design: Impact of Synthetic Peptide Vaccines from Soybean Mosaic Virus. , 2008, , .		7
22	Evaluation of fuzzy-based classifiers for cotton crop identification. Geocarto International, 2013, 28, 243-257.	3.5	7
23	Suitable sites identification for solid waste dumping using RS and GIS approach: A case study of Aurangabad, (MS) India. , 2014, , .		7
24	Heart Rate Variability for Biometric Authentication Using Time-Domain Features. Communications in Computer and Information Science, 2015, , 168-175.	0.5	7
25	Multimodal Biometric System Using Fingernail and Finger Knuckle. , 2013, , .		6
26	Segmentation of Thermal Images Using Thresholding-Based Methods for Detection of Malignant Tumours. Advances in Intelligent Systems and Computing, 2016, , 131-146.	0.6	6
27	Syntactic and Structural Divergence in English-to-Marathi Machine Translation. , 2013, , .		5
28	Performance evaluation of urban areas Land Use classification from Hyperspectral data by using Mahalanobis classifier. , 2017, , .		5
29	Double Layer PCA based Hyper Spectral Face Recognition using KNN Classifier. , 2017, , .		5
30	Pharmacogenomics. Current Drug Metabolism, 2008, 9, 207-212.	1.2	5
31	Assessment of Package Cohesion and Coupling Principles for Predicting the Quality of Object Oriented Design. , 2007, , .		4
32	Hyper spectral face image based biometric recognition. , 2016, , .		4
33	Feature Selection for Heart Rate Variability Based Biometric Recognition Using Genetic Algorithm. Advances in Intelligent Systems and Computing, 2016, , 91-101.	0.6	4
34	3D Face & 3D Ear Recognition: Process and Techniques. , 2017, , .		4
35	Design and Development of IoT based System for Retrieval of Agrometeorological Parameters. , 2018, , .		4
36	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.	0.7	4

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37	Uneven Background Extraction And Segmentation Of Good, Normal And Bad Quality Fingerprint Images. , 2006, , .		3
38	Multi-Resolution System for MRI (Magnetic Resonance Imaging) Image Compression: A Heterogeneous Wavelet Filters Bank Approach. , 2007, , .		3
39	Oncogenomics. Current Drug Metabolism, 2008, 9, 199-206.	1.2	3
40	Fingerprint Image De-noising through Decimated and Un-decimated Wavelet Transforms (WT). , 2009, , .		3
41	Computer based RR-Interval detection system with ectopy correction in HRV data. , 2015, , .		3
42	Recent Advances and Challenges in Automatic Hyperspectral Endmember Extraction. Lecture Notes in Networks and Systems, 2019, , 445-455.	0.7	3
43	Estimation of Water Contents from Vegetation Using Hyperspectral Indices. Lecture Notes in Electrical Engineering, 2019, , 247-255.	0.4	3
44	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
45	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.	0.4	3
46	Identification of plant species using non-imaging hyperspectral data. , 2015, , .		2
47	Multi sensor, multi algorithm based face recognition & performance evaluation. , 2016, , .		2
48	Fuzzy convolution tactic for classification of spatial pattern and crop area. , 2017, , .		2
49	Land use land cover change detection by different supervised classifiers on LISS-III temporal datasets. , 2017, , .		2
50	Assessment of soil organic matter through hyperspectral remote sensing data (VNIR spectroscopy) using PLSR method. , 2017, , .		2
51	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.	0.5	2
52	Design and Development of Ground Truth Collection Platform Using Android and Leaflet Library. Communications in Computer and Information Science, 2019, , 520-528.	0.5	2
53	Impact of Dimensionality Reduction Techniques on Endmember Identification in Hyperspectral Imagery. Communications in Computer and Information Science, 2019, , 493-504.	0.5	2
54	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.	0.5	2

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55	Comparative Study and Analysis of Dimensionality Reduction Techniques for Hyperspectral Data. Communications in Computer and Information Science, 2019, , 534-546.	0.5	2
56	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.	0.6	2
57	Automatic modelling of protein 3D structure Nucleoplasmin-like viral coat protein from Cucumber mosaic virus. , 2006, , .		1
58	Speaker Recognition Using Marathi (Varhadi) Language. , 2014, , .		1
59	Understanding the dynamics of Gautala Autramghat forest: A digital image classification approach. , 2016, , .		1
60	Single electrode brain signal data fusion for security. , 2016, , .		1
61	Synygium cumini plant photosynthetic pigment detection from hyperspectral datasets using spectral indices. , 2017, , .		1
62	Evaluation of soil conditions using spectral indices from hyperspectral datasets. , 2017, , .		1
63	Hyper spectral image analysis for human authentication. , 2017, , .		1
64	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.	0.7	1
65	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.	0.4	1
66	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.	0.6	1
67	Comparative Analysis of Different Land Useâ€"Land Cover Classifiers on Remote Sensing LISS-III Sensors Dataset. Advances in Intelligent Systems and Computing, 2017, , 523-532.	0.6	1
68	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.	0.7	1
69	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.	0.7	1
70	Jowar (Sorghum) Crop Health Assessment Using Hyperspectral Data. , 2021, , .		1
71	A Novel Approach For Segmentation of Good, Normal and Bad Quality Fingerprint Image. , 2006, , .		0
72	Poster Session I Abstracts. Medicinal Chemistry Research, 2006, 15, 95-190.	2.4	0

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73	Poster Session II Abstracts. Medicinal Chemistry Research, 2006, 15, 191-286.	2.4	0
74	DNA Electronics: A Nanotechnology Approach. Current Nanoscience, 2007, 3, 161-165.	1.2	0
75	Clonetics. Current Drug Metabolism, 2008, 9, 190-192.	1.2	0
76	Crop and forest acreage estimation using expert system based knowledge classifier approach. , 2015, , .		0
77	Application of Remote Sensing for Assessing Forest Cover Conditions of Aurangabad, (MS), India. Advances in Intelligent Systems and Computing, 2017, , 313-322.	0.6	0
78	Smart home safety device using frequency hopping approach based on GSM generation. , 2017, , .		0
79	Performance analysis of fuzzy convolution tactic for classification of spatial pattern and crop area. , 2017, , .		0
80	Analysis of Heart Rate Variability in Biometric Identification. , 2018, , .		0
81	Human Electroencephalographic Biometric Person Recognition System. Lecture Notes in Networks and Systems, 2019, , 83-92.	0.7	0
82	Crop Discrimination Based on Reflectance Spectroscopy Using Spectral Vegetation Indices (SVI). Communications in Computer and Information Science, 2019, , 312-322.	0.5	0
83	Evaluation of Pretreatment Methods for Prediction of Soil Micronutrients from Hyperspectral Data. Communications in Computer and Information Science, 2019, , 380-390.	0.5	0
84	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.	0.5	0
85	Gossypium Plant Health Detection from Hyperspectral Data using Various Disease Indices. International Journal of Engineering and Advanced Technology, 2019, 9, 7129-7135.	0.3	0