

# Paheding Sidike

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

4,273  
citations

257450

24  
h-index

214800

47  
g-index

63  
all docs

63  
docs citations

63  
times ranked

3498  
citing authors

#	ARTICLE	IF	CITATIONS
1	Data-Driven Artificial Intelligence for Calibration of Hyperspectral Big Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-20.	6.3	16
2	Jamming Detection and Classification in OFDM-Based UAVs via Feature- and Spectrogram-Tailored Machine Learning. IEEE Access, 2022, 10, 16859-16870.	4.2	13
3	Deep-Learning-Incorporated Augmented Reality Application for Engineering Lab Training. Applied Sciences (Switzerland), 2022, 12, 5159.	2.5	11
4	Short- and mid-term forecasts of actual evapotranspiration with deep learning. Journal of Hydrology, 2022, 612, 128078.	5.4	15
5	Augmented Reality and Artificial Intelligence in industry: Trends, tools, and future challenges. Expert Systems With Applications, 2022, 207, 118002.	7.6	48
6	Binary chemical reaction optimization based feature selection techniques for machine learning classification problems. Expert Systems With Applications, 2021, 167, 114169.	7.6	8
7	Early Detection of Plant Viral Disease Using Hyperspectral Imaging and Deep Learning. Sensors, 2021, 21, 742.	3.8	82
8	Field-scale crop yield prediction using multi-temporal WorldView-3 and PlanetScope satellite data and deep learning. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 174, 265-281.	11.1	63
9	Sentinel SAR-optical fusion for crop type mapping using deep learning and Google Earth Engine. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 175, 215-235.	11.1	108
10	Estimation of root zone soil moisture from ground and remotely sensed soil information with multisensor data fusion and automated machine learning. Remote Sensing of Environment, 2021, 260, 112434.	11.0	56
11	Urban tree species classification using UAV-based multi-sensor data fusion and machine learning. GIScience and Remote Sensing, 2021, 58, 1250-1275.	5.9	36
12	Forest Conservation with Deep Learning: A Deeper Understanding of Human Geography around the Betampona Nature Reserve, Madagascar. Remote Sensing, 2021, 13, 3495.	4.0	2
13	Using ATR-FTIR spectra and convolutional neural networks for characterizing mixed plastic waste. Computers and Chemical Engineering, 2021, 155, 107547.	3.8	18
14	Trends in Deep Learning for Medical Hyperspectral Image Analysis. IEEE Access, 2021, 9, 79534-79548.	4.2	25
15	U-Net and Its Variants for Medical Image Segmentation: A Review of Theory and Applications. IEEE Access, 2021, 9, 82031-82057.	4.2	584
16	Crop Yield Prediction using Satellite/Uav Synergy and Machine Learning., 2021, , .		2
17	Integrating Remote Sensing and Machine Learning for Regional-Scale Habitat Mapping: Advances and Future Challenges for Desert Locust Monitoring. IEEE Geoscience and Remote Sensing Magazine, 2021, , 2-32.	9.6	6
18	Soybean yield prediction from UAV using multimodal data fusion and deep learning. Remote Sensing of Environment, 2020, 237, 111599.	11.0	435

#	ARTICLE	IF	CITATIONS
19	Polly: A Tool for Rapid Data Integration and Analysis in Support of Agricultural Research and Education. Internet of Things (Netherlands), 2020, 9, 100141.	7.7	4
20	Quantifying Leaf Chlorophyll Concentration of Sorghum from Hyperspectral Data Using Derivative Calculus and Machine Learning. Remote Sensing, 2020, 12, 2082.	4.0	45
21	Archaeological surveying with airborne LiDAR and UAV photogrammetry: A comparative analysis at Cahokia Mounds. Journal of Archaeological Science: Reports, 2020, 33, 102509.	0.5	23
22	Leveraging Very-High Spatial Resolution Hyperspectral and Thermal UAV Imageries for Characterizing Diurnal Indicators of Grapevine Physiology. Remote Sensing, 2020, 12, 3216.	4.0	21
23	Deep learning-based water quality estimation and anomaly detection using Landsat-8/Sentinel-2 virtual constellation and cloud computing. GIScience and Remote Sensing, 2020, 57, 510-525.	5.9	106
24	Crop Monitoring Using Satellite/UAV Data Fusion and Machine Learning. Remote Sensing, 2020, 12, 1357.	4.0	135
25	Monitoring inland water quality using remote sensing: potential and limitations of spectral indices, bio-optical simulations, machine learning, and cloud computing. Earth-Science Reviews, 2020, 205, 103187.	9.1	254
26	Dual Activation Function-Based Extreme Learning Machine (ELM) for Estimating Grapevine Berry Yield and Quality. Remote Sensing, 2019, 11, 740.	4.0	40
27	Machine Learning-Based Ensemble Prediction of Water-quality Variables Using Feature-level and Decision-level Fusion with Proximal Remote Sensing. Photogrammetric Engineering and Remote Sensing, 2019, 85, 269-280.	0.6	57
28	Urban Tree Species Classification Using a WorldView-2/3 and LiDAR Data Fusion Approach and Deep Learning. Sensors, 2019, 19, 1284.	3.8	147
29	A State-of-the-Art Survey on Deep Learning Theory and Architectures. Electronics (Switzerland), 2019, 8, 292.	3.1	954
30	Vegetation Index Weighted Canopy Volume Model (CVMVI) for soybean biomass estimation from Unmanned Aerial System-based RGB imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 151, 27-41.	11.1	127
31	UAV-Based High Resolution Thermal Imaging for Vegetation Monitoring, and Plant Phenotyping Using ICI 8640 P, FLIR Vue Pro R 640, and thermoMap Cameras. Remote Sensing, 2019, 11, 330.	4.0	176
32	Quantitative Remote Sensing of Land Surface Variables: Progress and Perspective. Remote Sensing, 2019, 11, 2150.	4.0	1
33	A New Optical Remote Sensing Technique for High-Resolution Mapping of Soil Moisture. Frontiers in Big Data, 2019, 2, 37.	2.9	26
34	dPEN: deep Progressively Expanded Network for mapping heterogeneous agricultural landscape using WorldView-3 satellite imagery. Remote Sensing of Environment, 2019, 221, 756-772.	11.0	63
35	Adaptive Trigonometric Transformation Function With Image Contrast and Color Enhancement: Application to Unmanned Aerial System Imagery. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 404-408.	3.1	27
36	Suspended Sediment Concentration Estimation from Landsat Imagery along the Lower Missouri and Middle Mississippi Rivers Using an Extreme Learning Machine. Remote Sensing, 2018, 10, 1503.	4.0	88

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37	Handwritten Bangla Character Recognition Using the State-of-the-Art Deep Convolutional Neural Networks. Computational Intelligence and Neuroscience, 2018, 2018, 1-13.	1.7	67
38	Progressively Expanded Neural Network (PEN Net) for hyperspectral image classification: A new neural network paradigm for remote sensing image analysis. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 146, 161-181.	11.1	21
39	Effects of Ambient Ozone on Soybean Biophysical Variables and Mineral Nutrient Accumulation. Remote Sensing, 2018, 10, 562.	4.0	14
40	Editorial "Computer Vision and Big Data Analytics for Remote Sensing". Photogrammetric Engineering and Remote Sensing, 2018, 84, 423-423.	0.6	0
41	A fast single-image super-resolution via directional edge-guided regularized extreme learning regression. Signal, Image and Video Processing, 2017, 11, 961-968.	2.7	7
42	Volumetric Directional Pattern for Spatial Feature Extraction in Hyperspectral Imagery. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1056-1060.	3.1	13
43	Deterministic object tracking using Gaussian ringlet and directional edge features. Optics and Laser Technology, 2017, 95, 133-146.	4.6	7
44	Unmanned Aerial System (UAS)-based phenotyping of soybean using multi-sensor data fusion and extreme learning machine. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 134, 43-58.	11.1	233
45	State Preserving Extreme Learning Machine: A Monotonically Increasing Learning Approach. Neural Processing Letters, 2017, 45, 703-725.	3.2	14
46	Extreme learning machine with variance inflation factor for robust pattern recognition. , 2017, , .		0
47	Boosted ringlet features for robust object tracking. , 2016, , .		0
48	Automatic building change detection through adaptive local textural features and sequential background removal. , 2016, , .		4
49	Classification of hyperspectral image using multiscale spatial texture features. , 2016, , .		12
50	Scene sketch generation using mixture of gradient kernels and adaptive thresholding. Proceedings of SPIE, 2016, , .	0.8	0
51	Multiclass Object Detection With Single Query in Hyperspectral Imagery Using Class-Associative Spectral Fringe-Adjusted Joint Transform Correlation. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 1196-1208.	6.3	11
52	Intrusion detection in aerial imagery for protecting pipeline infrastructure. , 2015, , .		3
53	Automatic building change detection in wide area surveillance. , 2015, , .		2
54	A modular approach for key-frame selection in wide area surveillance video analysis. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
55	Efficient Key Frame Selection Approach for Object Detection in Wide Area Surveillance Applications. International Journal of Monitoring and Surveillance Technologies Research, 2015, 3, 20-34.	0.3	0
56	State Preserving Extreme Learning Machine for face recognition. , 2015, , .		11
57	Recent progress in wide-area surveillance: protecting our pipeline infrastructure. Proceedings of SPIE, 2015, , .	0.8	2
58	Directional ringlet intensity feature transform for tracking. , 2015, , .		4
59	Efficient face recognition using shifted phase-encoded fringe-adjusted joint transform correlator. , 2013, , .		1
60	Logarithmic fringe-adjusted joint transform correlation. Optical Engineering, 2013, 52, 103108.	1.0	3
61	Trends in oil spill detection via hyperspectral imaging. , 2012, , .		16
62	Tracking visual objects using pyramidal rotation invariant features. Proceedings of SPIE, 0, , .	0.8	0