Mahdi Hasanlou

List of Publications by Year
in descending order

69 papers	1,256 citations	430754 18 h-index	414303 32 g-index
69 all docs	69 docs citations	69 times ranked	1004 citing authors

#	Article	IF	Citations
1	TCD-Net: A Novel Deep Learning Framework for Fully Polarimetric Change Detection Using Transfer Learning. Remote Sensing, 2022, 14, 438.	1.8	8
2	A Quadratic Morphological Deep Neural Network Fusing Radar and Optical Data for the Mapping of Burned Areas. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4194-4216.	2.3	5
3	Burnt-Net: Wildfire burned area mapping with single post-fire Sentinel-2 data and deep learning morphological neural network. Ecological Indicators, 2022, 140, 108999.	2.6	21
4	Decomposition-Based Soil Moisture Estimation Using UAVSAR Fully Polarimetric Images. Agronomy, 2021, 11, 145.	1.3	5
5	Developing geographic weighted regression (GWR) technique for monitoring soil salinity using sentinel-2 multispectral imagery. Environmental Earth Sciences, 2021, 80, 1.	1.3	12
6	Earthquake Damage Region Detection by Multitemporal Coherence Map Analysis of Radar and Multispectral Imagery. Remote Sensing, 2021, 13, 1195.	1.8	22
7	Machine learning inversion approach for soil parameters estimation over vegetated agricultural areas using a combination of water cloud model and calibrated integral equation model. Journal of Applied Remote Sensing, 2021, 15, .	0.6	15
8	Validation of non-linear split window algorithm for land surface temperature estimation using Sentinel-3 satellite imagery: Case study; Tehran Province, Iran. Advances in Space Research, 2021, 67, 3979-3993.	1.2	15
9	A Systematic Review of Landsat Data for Change Detection Applications: 50 Years of Monitoring the Earth. Remote Sensing, 2021, 13, 2869.	1.8	85
10	New framework for hyperspectral change detection based on multi-level spectral unmixing. Applied Geomatics, 2021, 13, 763-780.	1.2	14
11	A New Structure for Binary and Multiple Hyperspectral Change Detection Based on Spectral Unmixing and Convolutional Neural Network. Measurement: Journal of the International Measurement Confederation, 2021, 186, 110137.	2.5	23
12	Use of Multispectral and Hyperspectral Satellite Imagery for Monitoring Waterbodies and Wetlands. Coastal Research Library, 2021, , 155-181.	0.2	2
13	Wetland Mapping of Northern Provinces of Iran Using Sentinel-1 and Sentinel-2 in Google Earth Engine. , 2021, , .		4
14	Oil Spill Detection Based on Multiscale Multidimensional Residual CNN for Optical Remote Sensing Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 10941-10952.	2.3	32
15	DSMNN-Net: A Deep Siamese Morphological Neural Network Model for Burned Area Mapping Using Multispectral Sentinel-2 and Hyperspectral PRISMA Images. Remote Sensing, 2021, 13, 5138.	1.8	19
16	An efficient model for the prediction of SMAP sea surface salinity using machine learning approaches in the Persian Gulf. International Journal of Remote Sensing, 2020, 41, 3221-3242.	1.3	18
17	A New End-to-End Multi-Dimensional CNN Framework for Land Cover/Land Use Change Detection in Multi-Source Remote Sensing Datasets. Remote Sensing, 2020, 12, 2010.	1.8	65
18	Improved land cover map of Iran using Sentinel imagery within Google Earth Engine and a novel automatic workflow for land cover classification using migrated training samples. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 167, 276-288.	4.9	188

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19	Improving hyperspectral sub-pixel target detection in multiple target signatures using a revised replacement signal model. European Journal of Remote Sensing, 2020, 53, 316-330.	1.7	4
20	An Unsupervised Binary and Multiple Change Detection Approach for Hyperspectral Imagery Based on Spectral Unmixing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 4888-4906.	2.3	29
21	Using scattering decomposition to improve the estimation of the topography-induced polarization orientation angle. Remote Sensing Letters, 2019, 10, 459-468.	0.6	0
22	SRTM DEM enhancement using a single set of PolSAR data based on the polarimetry-clinometry model. International Journal of Remote Sensing, 2019, , 1-24.	1.3	3
23	Change detection using distance-based algorithms between synthetic aperture radar polarimetric decompositions. International Journal of Remote Sensing, 2019, 40, 6084-6097.	1.3	3
24	Retrieval of soil salinity from Sentinel-2 multispectral imagery. European Journal of Remote Sensing, 2019, 52, 138-154.	1.7	53
25	Land Subsidence Monitoring in Azar Oil Field Based on Time Series Analysis. Proceedings (mdpi), 2019, 18, .	0.2	3
26	Probability Estimation of Change Maps Using Spectral Similarity. Proceedings (mdpi), 2019, 18, 8.	0.2	2
27	Soil salinity mapping using dual-polarized SAR Sentinel-1 imagery. International Journal of Remote Sensing, 2019, 40, 237-252.	1.3	60
28	Soil Salinity Mapping Using SAR Sentinel-1 Data and Advanced Machine Learning Algorithms: A Case Study at Ben Tre Province of the Mekong River Delta (Vietnam). Remote Sensing, 2019, 11, 128.	1.8	86
29	Land Cover Subpixel Change Detection using Hyperspectral Images Based on Spectral Unmixing and Post-processing. Journal of Geospatial Information Technology, 2019, 6, 97-117.	0.2	0
30	Sensitivity analysis of pansharpening in hyperspectral change detection. Applied Geomatics, 2018, 10, 65-75.	1.2	11
31	A Sub-Pixel Multiple Change Detection Approach for Hyperspectral Imagery. Canadian Journal of Remote Sensing, 2018, 44, 601-615.	1.1	12
32	Sensitivity Analysis on Performance of Different Unsupervised Threshold Selection Methods in Hyperspectral Change Detection. , 2018, , .		6
33	SAR Image Matching Improvement Using Image Texture Analysis. , 2018, , .		1
34	Monitoring Land Subsidence in Azar Oilfield, Ilam, Iran Through Small-Baseline Sar Interferometry Analysis. , 2018, , .		1
35	Classifying Multi-Channel Polsar Images Base on Polarization Signature. , 2018, , .		1
36	Investigating Effects of Seafloor Topography on Sea Surface Currents in the Caspian Sea and Northern Indian Ocean. Journal of the Indian Society of Remote Sensing, 2018, 46, 2093-2106.	1.2	0

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37	Classifying UAVSAR Polarimetric Synthetic Aperture Radar (PolSAR) Imagery Using Target Decomposition Features. Proceedings (mdpi), 2018, 2, 333.	0.2	2
38	Hyperspectral change detection: an experimental comparative study. International Journal of Remote Sensing, 2018, 39, 7029-7083.	1.3	69
39	Band Selection and Dimension Estimation for Hyperspectral Imagery—a New Approach Based on Invasive Weed Optimization. Journal of the Indian Society of Remote Sensing, 2017, 45, 11-23.	1.2	5
40	Integration of genetic algorithm and multiple kernel support vector regression for modeling urban growth. Computers, Environment and Urban Systems, 2017, 65, 28-40.	3.3	51
41	FEATURE SELECTION OF VARIOUS LAND COVER INDICES FOR MONITORING SURFACE HEAT ISLAND IN TEHRAN CITY USING LANDSAT 8 IMAGERY. Journal of Environmental Engineering and Landscape Management, 2017, 25, 241-250.	0.4	8
42	A new land-cover match-based change detection for hyperspectral imagery. European Journal of Remote Sensing, 2017, 50, 517-533.	1.7	42
43	Semi-analytical soil moisture retrieval using PolSAR imagery. , 2017, , .		2
44	Spatiotemporal monitoring of upwelled water motions using optical flow method in the Eastern Coasts of Caspian Sea. Journal of Applied Remote Sensing, 2017, 11, 1.	0.6	2
45	Remote sensing analysis of the extent and severity of oak decline in Malekshahi city, Ilam, Iran. Journal of Geospatial Information Technology, 2017, 4, 1-19.	0.2	2
46	Quality assessment of pan-sharpening methods in high-resolution satellite images using radiometric and geometric index. Arabian Journal of Geosciences, 2016, 9, 1.	0.6	22
47	SVM-based hyperspectral image classification using intrinsic dimension. Arabian Journal of Geosciences, 2015, 8, 477-487.	0.6	21
48	Comparative Study of Intrinsic Dimensionality Estimation and Dimension Reduction Techniques on Hyperspectral Images Using K-NN Classifier. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 1046-1050.	1.4	43
49	Satellite image fusion quality measurement by separating radiometric and geometric components. , 2012, , .		2
50	Mapping oak decline through long-term analysis of time series of satellite images in the forests of Malekshahi, Iran. International Journal of Remote Sensing, 0, , 1-22.	1.3	10
51	THERMAL AND VISIBLE SATELLITE IMAGE FUSION USING WAVELET IN REMOTE SENSING AND SATELLITE IMAGE PROCESSING. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W4, 11-15.	0.2	5
52	LAND COVER CHANGES DETECTION IN POLARIMETRIC SAR DATA USING ALGEBRA, SIMILARITY AND DISTANCE BASED METHODS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W4, 195-200.	0.2	5
53	SPATIAL AND TEMPORAL ANALYSIS OF SEA SURFACE SALINITY USING SATELLITE IMAGERY IN GULF OF MEXICO. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W4, 219-223.	0.2	3
54	TREND ANALYSIS OF SOIL SALINITY IN DIFFERENT LAND COVER TYPES USING LANDSAT TIME SERIES DATA (CASE STUDY BAKHTEGAN SALT LAKE). International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W4, 251-257.	0.2	15

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55	ESTIMATING AND FUSING OPTICAL FLOW, GEOSTROPHIC CURRENTS AND SEA SURFACE WIND IN THE WATERS AROUND KISH ISLAND. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-1/W5, 221-226.	0.2	4
56	SNOW DEPTH ESTIMATION USING TIME SERIES PASSIVE MICROWAVE IMAGERY VIA GENETICALLY SUPPORT VECTOR REGRESSION (CASE STUDY URMIA LAKE BASIN). International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-1/W5, 555-558.	0.2	8
57	UAV PHOTOGRAMMETRY: A PRACTICAL SOLUTION FOR CHALLENGING MAPPING PROJECTS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-1/W5, 619-623.	0.2	18
58	Investigation of Optical Flow Techniques for Extracting Non-Rigid Sea Surface Currents. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-2/W3, 121-126.	0.2	3
59	DIFFERENT OPTIMAL BAND SELECTION OF HYPERSPECTRAL IMAGES USING A CONTINUOUS GENETIC ALGORITHM. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-2/W3, 249-253.	0.2	9
60	CLASSIFIER FUSION OF HIGH-RESOLUTION OPTICAL AND SYNTHETIC APERTURE RADAR (SAR) SATELLITE IMAGERY FOR CLASSIFICATION IN URBAN AREA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-2/W3, 25-29.	0.2	3
61	A COMPARISON STUDY OF DIFFERENT KERNEL FUNCTIONS FOR SVM-BASED CLASSIFICATION OF MULTI-TEMPORAL POLARIMETRY SAR DATA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-2/W3, 281-285.	0.2	54
62	NOVEL SNOW DEPTH RETRIEVAL METHOD USING TIME SERIES SSMI PASSIVE MICROWAVE IMAGERY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B8, 525-530.	0.2	3
63	LAND COVER CHANGE DETECTION BASED ON GENETICALLY FEATURE AELECTION AND IMAGE ALGEBRA USING HYPERION HYPERSPECTRAL IMAGERY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-1/W5, 669-673.	0.2	1
64	OCEAN COLOR RETRIEVAL USING LANDSAT-8 IMAGERY IN COASTAL CASE 2 WATERS (CASE STUDY PERSIAN) Tj ETQq0 0 0 rgBT /Overlo Information Sciences - ISPRS Archives, 0, XLI-B8, 1161-1164.	0.2	0
65	FEASIBILITY STUDY OF LANDSAT-8 IMAGERY FOR RETRIEVING SEA SURFACE TEMPERATURE (CASE STUDY) Tj ETQq1 1 0.784314 rgBT Information Sciences - ISPRS Archives, 0, XLI-B8, 1107-1110.	0.2	2
66	WIND WAVE NUMERICAL MODELING IN THE CASPIAN SEA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W4, 513-516.	0.2	0
67	INVESTIGATING AND MODELLING EFFECTS OF CLIMATICALLY AND HYDROLOGICALLY INDICATORS ON THE URMIA LAKE COASTLINE CHANGES USING TIME SERIES ANALYSIS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W4, 5-9.	0.2	1
68	ESTIMATING SOIL MOISTURE USING POLSAR DATA: A MACHINE LEARNING APPROACH. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W4, 133-137.	0.2	4
69	BINARY HYPERSPECTRAL CHANGE DETECTION BASED ON 3D CONVOLUTION DEEP LEARNING. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2020, 1629-1633.	0.2	9