

Ming-Der Yang

List of Publications by Year in Descending Order

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Version: 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55
papers

1,319
citations

21
h-index

35
g-index

66
ext. papers

1,721
ext. citations

4.7
avg, IF

4.9
L-index

#	Paper	IF	Citations
55	Toward Automated Machine Learning-Based Hyperspectral Image Analysis in Crop Yield and Biomass Estimation. <i>Remote Sensing</i> , 2022 , 14, 1114	5	3
54	A UAV Open Dataset of Rice Paddies for Deep Learning Practice. <i>Remote Sensing</i> , 2021 , 13, 1358	5	6
53	The Application of an Unmanned Aerial System and Machine Learning Techniques for Red Clover-Grass Mixture Yield Estimation under Variety Performance Trials. <i>Remote Sensing</i> , 2021 , 13, 1994 ⁵		4
52	An Automated Machine Learning Framework in Unmanned Aircraft Systems: New Insights into Agricultural Management Practices Recognition Approaches. <i>Remote Sensing</i> , 2021 , 13, 3190	5	2
51	Prediction of Plant Nutrition State of Rice under Water-Saving Cultivation and Panicle Fertilization Application Decision Making. <i>Agronomy</i> , 2021 , 11, 1626	3.6	0
50	Optimized allocation of scooter battery swapping station under demand uncertainty. <i>Sustainable Cities and Society</i> , 2021 , 71, 102963	10.1	7
49	Geostatistical Based Models for the Spatial Adjustment of Radar Rainfall Data in Typhoon Events at a High-Elevation River Watershed. <i>Remote Sensing</i> , 2020 , 12, 1427	5	2
48	Geometric Recognition of Moving Objects in Monocular Rotating Imagery Using Faster R-CNN. <i>Remote Sensing</i> , 2020 , 12, 1908	5	0
47	Quantifying Flood Water Levels Using Image-Based Volunteered Geographic Information. <i>Remote Sensing</i> , 2020 , 12, 706	5	10
46	Semantic Segmentation Using Deep Learning with Vegetation Indices for Rice Lodging Identification in Multi-date UAV Visible Images. <i>Remote Sensing</i> , 2020 , 12, 633	5	57
45	A stochastic multi-objective optimization decision model for energy facility allocation: a case of liquefied petroleum gas station. <i>Clean Technologies and Environmental Policy</i> , 2020 , 22, 389-398	4.3	5
44	Assessment of Rice Developmental Stage Using Time Series UAV Imagery for Variable Irrigation Management. <i>Sensors</i> , 2020 , 20,	3.8	6
43	Adaptive autonomous UAV scouting for rice lodging assessment using edge computing with deep learning EDANet. <i>Computers and Electronics in Agriculture</i> , 2020 , 179, 105817	6.5	19
42	Integrating MNF and HHT Transformations into Artificial Neural Networks for Hyperspectral Image Classification. <i>Remote Sensing</i> , 2020 , 12, 2327	5	4
41	Post-earthquake spatio-temporal landslide analysis of Huisun Experimental Forest Station. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2019 , 30, 493-508	1.8	2
40	Timely and Quantitative Damage Assessment of Oyster Racks Using UAV Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018 , 11, 2862-2868	4.7	6
39	Fusion of Infrared Thermal Image and Visible Image for 3D Thermal Model Reconstruction Using Smartphone Sensors. <i>Sensors</i> , 2018 , 18,	3.8	23

38	Multiobjective optimization design of green building envelope material using a non-dominated sorting genetic algorithm. <i>Applied Thermal Engineering</i> , 2017 , 111, 1255-1264	5.8	55
37	Sewer pipe defects diagnosis assessment using multivariate analysis on CCTV video imagery. <i>Urban Water Journal</i> , 2017 , 14, 475-482	2.3	2
36	Spatial and Spectral Hybrid Image Classification for Rice Lodging Assessment through UAV Imagery. <i>Remote Sensing</i> , 2017 , 9, 583	5	80
35	A Long-Term Vegetation Recovery Estimation for Mt. Jou-Jou Using Multi-Date SPOT 1, 2, and 4 Images. <i>Remote Sensing</i> , 2017 , 9, 893	5	7
34	Concrete crack rehabilitation using biological enzyme. <i>Computers and Concrete</i> , 2017 , 19, 413-417		3
33	. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016 , 13, 1950-1954	4.1	16
32	Multiobjective Optimal Design of Sewerage Rehabilitation by Using the Nondominated Sorting Genetic Algorithm-II. <i>Water Resources Management</i> , 2016 , 30, 487-503	3.7	13
31	Relating Vegetation Dynamics to Climate Variables in Taiwan Using 1982-2012 NDVI3g Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016 , 9, 1624-1639	4.7	9
30	Exploring Long Term Spatial Vegetation Trends in Taiwan from AVHRR NDVI3g Dataset Using RDA and HCA Analyses. <i>Remote Sensing</i> , 2016 , 8, 290	5	14
29	Design optimization of office building envelope configurations for energy conservation. <i>Applied Energy</i> , 2016 , 171, 336-346	10.7	68
28	Multiobjective optimization using nondominated sorting genetic algorithm-II for allocation of energy conservation and renewable energy facilities in a campus. <i>Energy and Buildings</i> , 2016 , 122, 120-130		29
27	An efficient fitness function in genetic algorithm classifier for Landuse recognition on satellite images. <i>Scientific World Journal, The</i> , 2014 , 2014, 264512	2.2	3
26	Application of morphological segmentation to leaking defect detection in sewer pipelines. <i>Sensors</i> , 2014 , 14, 8686-704	3.8	28
25	Image-based 3D scene reconstruction and exploration in augmented reality. <i>Automation in Construction</i> , 2013 , 33, 48-60	9.6	63
24	Producing synthetic lightweight aggregates from reservoir sediments. <i>Construction and Building Materials</i> , 2012 , 28, 387-394	6.7	69
23	Risk assessment of debris flows in Songhe Stream, Taiwan. <i>Engineering Geology</i> , 2011 , 123, 100-112	6	35
22	Landslide-induced levee failure by high concentrated sediment flow – A case of Shan-An levee at Chenyulan River, Taiwan. <i>Engineering Geology</i> , 2011 , 123, 91-99	6	11
21	Pavement performance prediction through fuzzy regression. <i>Expert Systems With Applications</i> , 2011 , 38, 10010-10017	7.8	36

20	Systematic image quality assessment for sewer inspection. <i>Expert Systems With Applications</i> , 2011 , 38, 1766-1776	7.8	51
19	Morphological segmentation based on edge detection for sewer pipe defects on CCTV images. <i>Expert Systems With Applications</i> , 2011 , 38, 13094-13114	7.8	65
18	Decision Making Behaviors in Planning Green Buildings 2011 ,		1
17	FEATURE EXTRACTION OF SEWER PIPE DEFECTS USING WAVELET TRANSFORM AND CO-OCCURRENCE MATRIX. <i>International Journal of Wavelets, Multiresolution and Information Processing</i> , 2011 , 09, 211-225	0.9	21
16	Application of Support Vector Machines to Airborne Hyper-Spectral Image Classification. <i>Lecture Notes in Electrical Engineering</i> , 2010 , 439-444	0.2	1
15	Segmenting ideal morphologies of sewer pipe defects on CCTV images for automated diagnosis. <i>Expert Systems With Applications</i> , 2009 , 36, 3562-3573	7.8	64
14	Feature extraction of sewer pipe failures by wavelet transform and co-occurrence matrix 2008 ,		1
13	2008 ,		1
12	Automated diagnosis of sewer pipe defects based on machine learning approaches. <i>Expert Systems With Applications</i> , 2008 , 35, 1327-1337	7.8	96
11	A genetic algorithm (GA) based automated classifier for remote sensing imagery. <i>Canadian Journal of Remote Sensing</i> , 2007 , 33, 203-213	1.8	23
10	Automation model of sewerage rehabilitation planning. <i>Water Science and Technology</i> , 2006 , 54, 225-32	2.2	35
9	Eutrophication modelling of reservoirs in Taiwan. <i>Environmental Modelling and Software</i> , 2006 , 21, 829-844	4.4	61
8	Genetic algorithm for unsupervised classification of remote sensing imagery 2004 ,		4
7	Application of remotely sensed data to the assessment of terrain factors affecting the Tsao-Ling landslide. <i>Canadian Journal of Remote Sensing</i> , 2004 , 30, 593-603	1.8	20
6	WATER QUALITY MODELING FOR THE FEITSUI RESERVOIR IN NORTHERN TAIWAN ¹ . <i>Journal of the American Water Resources Association</i> , 2003 , 39, 671-687	2.1	26
5	Assessing debris-flow hazard in a watershed in Taiwan. <i>Engineering Geology</i> , 2002 , 66, 295-313	6	93
4	Water Quality Investigation and Modeling for Feitsui Reservoir 2001 , 1		
3	Estimation of algal biological parameters using water quality modeling and SPOT satellite data. <i>Ecological Modelling</i> , 2000 , 125, 1-13	3	21

- 2 INTEGRATION OF WATER QUALITY MODELING, REMOTE SENSING, AND GIS1. *Journal of the American Water Resources Association*, **1999**, 35, 253-263 2.1 20
- 1 Trophic-dynamic modeling in a shallow eutrophic river ecosystem. *Ecological Modelling*, **1998**, 105, 129-139 14