# Ming-Der Yang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8571878/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 66 papers | 1,994 citations | 236612 25 h-index | 243296 44 g-index |
| 66 all docs | 66 docs citations | 66 times ranked | 1772 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Toward Automated Machine Learning-Based Hyperspectral Image Analysis in Crop Yield and Biomass Estimation. Remote Sensing, 2022, 14, 1114. | 1.8 | 20 |
| 2 | Rice Seedling Detection in UAV Images Using Transfer Learning and Machine Learning. Remote Sensing, 2022, 14, 2837. | 1.8 | 26 |
| 3 | A UAV Open Dataset of Rice Paddies for Deep Learning Practice. Remote Sensing, 2021, 13, 1358. | 1.8 | 20 |
| 4 | The Application of an Unmanned Aerial System and Machine Learning Techniques for Red Clover-Grass Mixture Yield Estimation under Variety Performance Trials. Remote Sensing, 2021, 13, 1994. | 1.8 | 8 |
| 5 | An Automated Machine Learning Framework in Unmanned Aircraft Systems: New Insights into Agricultural Management Practices Recognition Approaches. Remote Sensing, 2021, 13, 3190. | 1.8 | 7 |
| 6 | Prediction of Plant Nutrition State of Rice under Water-Saving Cultivation and Panicle Fertilization Application Decision Making. Agronomy, 2021, 11, 1626. | 1.3 | 2 |
| 7 | Optimized allocation of scooter battery swapping station under demand uncertainty. Sustainable Cities and Society, 2021, 71, 102963. | 5.1 | 26 |
| 8 | Assessment of Grain Harvest Moisture Content Using Machine Learning on Smartphone Images for Optimal Harvest Timing. Sensors, 2021, 21, 5875. | 2.1 | 5 |
| 9 | A stochastic multi-objective optimization decision model for energy facility allocation: a case of liquefied petroleum gas station. Clean Technologies and Environmental Policy, 2020, 22, 389-398. | 2.1 | 10 |
| 10 | Assessment of Rice Developmental Stage Using Time Series UAV Imagery for Variable Irrigation Management. Sensors, 2020, 20, 5354. | 2.1 | 14 |
| 11 | Adaptive autonomous UAV scouting for rice lodging assessment using edge computing with deep learning EDANet. Computers and Electronics in Agriculture, 2020, 179, 105817. | 3.7 | 50 |
| 12 | Integrating MNF and HHT Transformations into Artificial Neural Networks for Hyperspectral Image Classification. Remote Sensing, 2020, 12, 2327. | 1.8 | 10 |
| 13 | Geostatistical Based Models for the Spatial Adjustment of Radar Rainfall Data in Typhoon Events at a High-Elevation River Watershed. Remote Sensing, 2020, 12, 1427. | 1.8 | 4 |
| 14 | Geometric Recognition of Moving Objects in Monocular Rotating Imagery Using Faster R-CNN. Remote Sensing, 2020, 12, 1908. | 1.8 | 4 |
| 15 | Quantifying Flood Water Levels Using Image-Based Volunteered Geographic Information. Remote Sensing, 2020, 12, 706. | 1.8 | 23 |
| 16 | Semantic Segmentation Using Deep Learning with Vegetation Indices for Rice Lodging Identification in Multi-date UAV Visible Images. Remote Sensing, 2020, 12, 633. | 1.8 | 100 |
| 17 | Post-earthquake spatio-temporal landslide analysis of Huisun Experimental Forest Station. Terrestrial, Atmospheric and Oceanic Sciences, 2019, 30, 493-508. | 0.3 | 2 |
| 18 | Fusion of Infrared Thermal Image and Visible Image for 3D Thermal Model Reconstruction Using Smartphone Sensors. Sensors, 2018, 18, 2003. | 2.1 | 37 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Timely and Quantitative Damage Assessment of Oyster Racks Using UAV Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 2862-2868. | 2.3 | 8 |
| 20 | Multiobjective optimization design of green building envelope material using a non-dominated sorting genetic algorithm. Applied Thermal Engineering, 2017, 111, 1255-1264. | 3.0 | 72 |
| 21 | Sewer pipe defects diagnosis assessment using multivariate analysis on CCTV video imagery. Urban Water Journal, 2017, 14, 475-482. | 1.0 | 5 |
| 22 | Spatial and Spectral Hybrid Image Classification for Rice Lodging Assessment through UAV Imagery. Remote Sensing, 2017, 9, 583. | 1.8 | 125 |
| 23 | A Long-Term Vegetation Recovery Estimation for Mt. Jou-Jou Using Multi-Date SPOT 1, 2, and 4 Images. Remote Sensing, 2017, 9, 893. | 1.8 | 9 |
| 24 | Concrete crack rehabilitation using biological enzyme. Computers and Concrete, 2017, 19, 413-417. | 0.7 | 5 |
| 25 | Exploring Long Term Spatial Vegetation Trends in Taiwan from AVHRR NDVI3g Dataset Using RDA and HCA Analyses. Remote Sensing, 2016, 8, 290. | 1.8 | 15 |
| 26 | Design optimization of office building envelope configurations for energy conservation. Applied Energy, 2016, 171, 336-346. | 5.1 | 86 |
| 27 | Multiobjective optimization using nondominated sorting genetic algorithm-II for allocation of energy conservation and renewable energy facilities in a campus. Energy and Buildings, 2016, 122, 120-130. | 3.1 | 41 |
| 28 | Hyperspectral Image Classification Using Fast and Adaptive Bidimensional Empirical Mode Decomposition With Minimum Noise Fraction. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1950-1954. | 1.4 | 21 |
| 29 | Multiobjective Optimal Design of Sewerage Rehabilitation by Using the Nondominated Sorting Genetic Algorithm-II. Water Resources Management, 2016, 30, 487-503. | 1.9 | 13 |
| 30 | Relating Vegetation Dynamics to Climate Variables in Taiwan Using 1982â€“2012 NDVI3g Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 1624-1639. | 2.3 | 12 |
| 31 | An Efficient Fitness Function in Genetic Algorithm Classifier for Landuse Recognition on Satellite Images. Scientific World Journal, The, 2014, 2014, 1-12. | 0.8 | 13 |
| 32 | Application of Morphological Segmentation to Leaking Defect Detection in Sewer Pipelines. Sensors, 2014, 14, 8686-8704. | 2.1 | 39 |
| 33 | Evaluation of fitness functions of GA classification. , 2014, , . | | 1 |
| 34 | Image-based 3D scene reconstruction and exploration in augmented reality. Automation in Construction, 2013, 33, 48-60. | 4.8 | 94 |
| 35 | Slope Instability of High Terrace Deposits under Extreme Weather Conditions. , 2013, , . | | 1 |
| 36 | Producing synthetic lightweight aggregates from reservoir sediments. Construction and Building Materials, 2012, 28, 387-394. | 3.2 | 84 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Risk assessment of debris flows in Songhe Stream, Taiwan. Engineering Geology, 2011, 123, 100-112. | 2.9 | 45 |
| 38 | Landslide-induced levee failure by high concentrated sediment flow â€" A case of Shan-An levee at Chenyulan River, Taiwan. Engineering Geology, 2011, 123, 91-99. | 2.9 | 13 |
| 39 | Pavement performance prediction through fuzzy regression. Expert Systems With Applications, 2011, 38, 10010-10017. | 4.4 | 49 |
| 40 | Systematic image quality assessment for sewer inspection. Expert Systems With Applications, 2011, 38, 1766-1776. | 4.4 | 84 |
| 41 | Morphological segmentation based on edge detection for sewer pipe defects on CCTV images. Expert Systems With Applications, 2011, 38, 13094-13114. | 4.4 | 115 |
| 42 | Progressing Rate of Ba-Guah-Shan Gravel Tunnel Construction. , 2011, , . | | 0 |
| 43 | Decision Making Behaviors in Planning Green Buildings. , 2011, , . | | 2 |
| 44 | FEATURE EXTRACTION OF SEWER PIPE DEFECTS USING WAVELET TRANSFORM AND CO-OCCURRENCE MATRIX. International Journal of Wavelets, Multiresolution and Information Processing, 2011, 09, 211-225. | 0.9 | 24 |
| 45 | Application of Support Vector Machines to Airborne Hyper-Spectral Image Classification. Lecture Notes in Electrical Engineering, 2010, , 439-444. | 0.3 | 2 |
| 46 | Segmenting ideal morphologies of sewer pipe defects on CCTV images for automated diagnosis. Expert Systems With Applications, 2009, 36, 3562-3573. | 4.4 | 103 |
| 47 | Automated diagnosis of sewer pipe defects based on machine learning approaches. Expert Systems With Applications, 2008, 35, 1327-1337. | 4.4 | 140 |
| 48 | Feature extraction of sewer pipe failures by wavelet transform and co-occurrence matrix. , 2008, , . | | 4 |
| 49 | Estimates of Bridge Girder Conditions Based on Fuzzy Inspection Data. , 2008, , . | | 2 |
| 50 | Using artificial neural network for outflow estimation in an ungauged area. , 2008, , . | | 1 |
| 51 | Optimal cluster numbers of unsupervised classification in Minkowski spaces. , 2007, , . | | 0 |
| 52 | A genetic algorithm (GA) based automated classifier for remote sensing imagery. Canadian Journal of Remote Sensing, 2007, 33, 203-213. | 1.1 | 28 |
| 53 | Legal protection and data access of remote sensing and GIS database. , 2007, , . | | 1 |
| 54 | Automation model of sewerage rehabilitation planning. Water Science and Technology, 2006, 54, 225-232. | 1.2 | 42 |

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|---|---|---|---|
| 55 | Eutrophication modelling of reservoirs in Taiwan. Environmental Modelling and Software, 2006, 21, 829-844. | 1.9 | 76 |
| 56 | Genetic algorithm for unsupervised classification of remote sensing imagery. , 2004, , . | | 8 |
| 57 | Application of remotely sensed data to the assessment of terrain factors affecting the Tsao-Ling landslide. Canadian Journal of Remote Sensing, 2004, 30, 593-603. | 1.1 | 28 |
| 58 | WATER QUALITY MODELING FOR THE FEITSUI RESERVOIR IN NORTHERN TAIWAN1. Journal of the American Water Resources Association, 2003, 39, 671-687. | 1.0 | 28 |
| 59 | Assessing debris-flow hazard in a watershed in Taiwan. Engineering Geology, 2002, 66, 295-313. | 2.9 | 112 |
| 60 | Water Quality Investigation and Modeling for Feitsui Reservoir. , 2001, , 1. | | 0 |
| 61 | Estimation of algal biological parameters using water quality modeling and SPOT satellite data. Ecological Modelling, 2000, 125, 1-13. | 1.2 | 27 |
| 62 | INTEGRATION OF WATER QUALITY MODELING, REMOTE SENSING, AND GIS1. Journal of the American Water Resources Association, 1999, 35, 253-263. | 1.0 | 29 |
| 63 | Trophic-dynamic modeling in a shallow eutrophic river ecosystem. Ecological Modelling, 1998, 105, 129-139. | 1.2 | 16 |
| 64 | Application of fuzzy theory to satellite data for determining eutrophic status. , 0, , . | | 2 |
| 65 | Legal issues on public access to remote sensing data in Taiwan. , 0, , . | | 1 |
| 66 | DBI and SI as fitness in GA classification for SPOT4 satellite imagery. , 0, , . | | 0 |