

Remote sensing AND Rice

Rice yield estimation using synthetic aperture radar (SAR) and the ORYZA crop growth model: development and application of the system in South and South-east Asian countries
Setiyono, T.D., Quicho, E.D., Holecz, F.H., (...), Pazhanivelan, S., Mabalay, M.R.O.

2019 International Journal of Remote Sensing
Land tessellation effects in mapping agricultural areas by remote sensing at field level
Borgogno Mondino, E., Corvino, G.

2019 International Journal of Remote Sensing
Double-rice system simulation in a topographically diverse region-A remote-sensing-driven case study in Hunan Province of China
Zhang, J., Zhang, Z., Wang, C., Tao, F.

2019 Remote Sensing
Remote sensing extraction of crop disaster information based on support vector machine
Chen, Y., Wan, W.

2019 Revista de la Facultad de Agronomia
Collaborative inversion heavy metal stress in rice by using two-dimensional spectral feature space based on HJ-1 A HSI and radarsat-2 SAR remote sensing data
Li, X., Li, L., Liu, X.

2019 International Journal of Applied Earth Observation and Geoinformation
Estimation of rice growth parameters based on linear mixed-effect model using multispectral images from fixed-wing unmanned aerial vehicles
Wang, Y., Zhang, K., Tang, C., (...), Cao, W., Liu, X.

2019 Remote Sensing
Application of the simple biosphere model 2 (SiB2) with irrigation module to a typical low-hilly red soil farmland and the sensitivity analysis of modeled energy fluxes in southern China
Jing, Z., Jing, Y., Zhang, F., Qiu, R., Wido, H.

2019 Water (Switzerland)
Analysis of Seasonal Precipitation, Potential Evapotranspiration, Aridity, Future Precipitation Anomaly and Major Crops at District Level of India
Goparaju, L., Ahmad, F.

2019 KN - Journal of Cartography and Geographic Information
Temporal-spatial changes about the landscape pattern of water system and their relationship with food and energy in a mega city in China
Wang, S., Yang, K., Yuan, D., Yu, K., Su, Y.

2019 Ecological Modelling
A dynamic soil endmember spectrum selection approach for soil and crop residue linear spectral unmixing analysis
Yue, J., Tian, Q., Tang, S., Xu, K., Zhou, C.

2019 International Journal of Applied Earth Observation and Geoinformation
Remote sensing and GIS applications for sustainable food agricultural land mapping and supporting the preparation of regional spatial plans (case study of Badung Regency)
Lanya, I., Netera Subadiyasa, N., Sardiana, K., Ratna Adi, G.P., Gunasih, M.T.

2019 IOP Conference Series: Earth and Environmental Science
Time series of flood mapping in the Mekong Delta using high resolution satellite images
Dinh, D.A., Elmahrad, B., Leinenkugel, P., Newton, A.

2019 IOP Conference Series: Earth and Environmental Science
The aging behaviors of chromophoric biomass burning brown carbon during dark aqueous hydroxyl radical oxidation processes in laboratory studies
Fan, X., Yu, X., Wang, Y., (...), Song, J., Peng, P. 2019 Atmospheric Environment
Identifying dry-season rice-planting patterns in bangladesh using the landsat archive
Shew, A.M., Ghosh, A.

2019 Remote Sensing
Short term response of soil properties and rice growth to land consolidation in south of Jiangsu Province
Li, X., Zhu, F., Xu, T., (...), Yu, M., Chen, F.

2019 Acta Pedologica Sinica
Electronic monitoring and disease diagnosis of oryza sativa crops through an IoT enabled embedded system
Menaka, R., Keshav, G., Chandra Karan, R., (...), Nachiappan, A., Karthik, R.

2019 International Journal of Recent Technology and Engineering

Impact of climate change on agricultural productivity and food security in the Himalayas: A case study in Nepal
 Bocchiola, D., Brunetti, L., Soncini, A., Polinelli, F., Gianinetto, M.

2019 Agricultural Systems
 Comparison between the Effects of Visible Light and Multispectral Sensor Based on Low-Altitude Remote Sensing Platform in the Evaluation of Rice Sheath Blight
 Zhao, X.-Y., Zhang, J., Zhang, D.-Y., (...), Liu, X.-H., Xie, J.

2019 Guang Pu Xue Yu Guang Pu Fen Xi/Spectroscopy and Spectral Analysis
 Discriminating transplanted and direct seeded rice using Sentinel-1 intensity data Fikriyah, V.N., Darvishzadeh, R., Laborte, A., Khan, N.I., Nelson, A.

2019 International Journal of Applied Earth Observation and Geoinformation
 Deep convolutional neural networks for rice grain yield estimation at the ripening stage using UAV-based remotely sensed images
 Yang, Q., Shi, L., Han, J., Zha, Y., Zhu, P.

2019 Field Crops Research
 Rice yield estimation using parcel-level relative spectral variables from uav-based hyperspectral imagery
 Wang, F., Wang, F., Zhang, Y., (...), Huang, J., Xie, J.

2019 Frontiers in Plant Science
Estimation of root zone soil moisture using passive microwave remote sensing: A case study for rice and wheat crops for three states in the Indo-Gangetic basin
 Sure, A., Dikshit, O.

2019 Journal of Environmental Management
 Spatial-temporal variations and driving factor analysis of paddy fields in typical regions of Sanjiang Plain
 Zhang, W., Song, G.

2019 Nongye Gongcheng Xuebao/Transactions of the Chinese Society of Agricultural Engineering
 Remote estimation of rice yield with unmanned aerial vehicle (uav) data and spectral mixture analysis
 Duan, B., Fang, S., Zhu, R., (...), Gong, Y., Peng, Y.

2019 Frontiers in Plant Science
 Characterization of food cultivation along roadside transects with Google Street View imagery and deep learning
 Ringland, J., Bohm, M., Baek, S.-R.

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 Agro-ecological variability effects on an index-based insurance design for extreme events
 Valverde-Arias, O., Garrido, A., Saa-Requejo, A., Carreño, F., Tarquis, A.M.

2019 Geoderma
 Comparison of various modelling approaches for water deficit stress monitoring in rice crop through hyperspectral remote sensing
 Krishna, G., Sahoo, R.N., Singh, P., (...), Ahmad, T., Sahoo, P.M.

2019 Agricultural Water Management
 Estimating rice agronomic traits using drone-collected multispectral imagery
 Stavrakoudis, D., Katsantonis, D., Kadoglou, K., Kalaitzidis, A., Gitas, I.Z.

2019 Remote Sensing
 Estimation of relative water content in rice panicle based on hyperspectral vegetation indexes under water saving irrigation
 Zhang, Z., Lou, Y., Li, R., Ma, L., Li, J.

2019 Spectroscopy Letters
 Estimating crop nutritional status using smart apps to support nitrogen fertilization. A case study on paddy rice
 Paleari, L., Movedi, E., Vesely, F.M., (...), Nutini, F., Confalonieri, R.

2019 Sensors (Switzerland)
 UAV-Borne dual-band sensor method for monitoring physiological crop status
 Yao, L., Wang, Q., Yang, J., (...), Cao, W., Ni, J. 2019
 Sensors (Switzerland)
 A framework for rice heavy metal stress monitoring based on phenological phase space and temporal profile analysis
 Zou, X., Liu, X., Liu, M., Liu, M., Zhang, B.

2019 International Journal of Environmental Research and Public Health
Assimilating remote sensing phenological information into the WOFOST model for rice growth simulation
 Zhou, G., Liu, X., Liu, M.

2019 Remote Sensing
Downscaling rice yield simulation at sub-field scale using remotely sensed LAI data
 Gilardelli, C., Stella, T., Confalonieri, R., (...), García-Haro, F.J., Boschetti, M.

2019 European Journal of Agronomy
 The effect of terrain factors on rice production: A case study in Hunan Province
 Wang, C., Zhang, Z., Zhang, J., (...), Chen, Y., Ding, H.

2019 Journal of Geographical Sciences
 Design and experiment of multi rotor UAV control system with spectral remote sensing load
 Pei, X., Wu, H., Ma, P., (...), Hao, P., Bai, Y.

2019 Hongwai yu Jiguang Gongcheng/Infrared and Laser Engineering
 Cultivated Land Quality Evaluation Based on Inversion of NPP Based on Long-term Sequence Remote Sensing Data
 Ma, J., Zhang, C., Lü, Y., (...), Yun, W., Zhu, D.

2019 Nongye Jixie Xuebao/Transactions of the Chinese Society for Agricultural Machinery
 Yb³⁺/Er³⁺ co-doped Lu₂TeO₆ nanophosphors: Hydrothermal synthesis, upconversion luminescence and highly sensitive temperature sensing performance
 Ma, Z., Gou, J., Zhang, Y., (...), Li, C., Tang, J.

2019 Journal of Alloys and Compounds
 Prediction of cadmium concentration in brown rice before harvest by hyperspectral remote sensing
 Zhou, W., Zhang, J., Zou, M., (...), Liu, Y., Li, J.

2019 Environmental Science and Pollution Research
 Continuous observation of vegetation canopy dynamics using an integrated low-cost, near-surface remote sensing system
 Kim, J., Ryu, Y., Jiang, C., Hwang, Y.

2019 Agricultural and Forest Meteorology
Landsat 8 satellite imagery analysis for rice production estimates (Case study: Bojonegoro regency)
 Sukoco, B.M., Nabilah, S., Swastyastu, C.A.

2019 Journal of Theoretical and Applied Information Technology
 Estimation of dynamic canopy variables using hyperspectral derived vegetation indices under varying N rates at diverse phenological stages of rice
 Din, M., Ming, J., Hussain, S., (...), Hua, S., Wang, S.

2019 Frontiers in Plant Science
 Spatial Distribution of *Culex tritaeniorhynchus* Giles, 1901 (Diptera: Culicidae) in Relation to Pigsties and Other Geo-environmental Features in Dao County, Hunan Province, China
 Liu, M.D., Li, C.X., Huang, Y., (...), Nu, W., Zhao, T.Y.

2019 Journal of Medical Entomology
 Sensitivity of a ratio vegetation index derived from hyperspectral remote sensing to the brown planthopper stress on rice plants
 Tan, Y., Sun, J.-Y., Zhang, B., (...), Liu, Y., Liu, X.-D.

2019 Sensors (Switzerland)
Object-based rice mapping using time-series and phenological data
 Zhang, M., Lin, H.

2019 Advances in Space Research
 Detection of rice phenological variations under heavy metal stress by means of blended landsat and MODIS image time series
 Zhang, B., Liu, X., Liu, M., Meng, Y.

2019 Remote Sensing
 An understanding rice hyperspectral remote sensing imagery classification framework
 Purwadi, Suryana, N., Abu, N.A.

2019 Journal of Theoretical and Applied Information Technology
 Estimation of rice yield from a C-band radar remote sensing image by integrating a physical scattering model and an optimization algorithm
 Zhang, Y., Yan, W., Yang, B., Yang, T., Liu, X.

2019 Precision Agriculture
 Characterization of rice agriculture in the Southern Province of Rwanda by means of microwave remote sensing
 Csorba, A., Szegi, T., Fodor, H., (...), Naramabuye, F.X., Michéli, E.

2019 Physics and Chemistry of the Earth
 The feasibility of using vegetation indices and soil texture to predict rice yield
 Yaghouti, H., Pazira, E., Amiri, E., Masihabadi, M.H.

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 Rice yield estimation based on K-means clustering with graph-cut segmentation using low-altitude UAV images
 Reza, M.N., Na, I.S., Baek, S.W., Lee, K.-H.

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 A high-resolution, integrated system for rice yield forecasting at district level
 Pagani, V., Guarneri, T., Busetto, L., (...), Casteleyn, S., Confalonieri, R.

2019 Agricultural Systems
 Assessing correlation of high-resolution NDVI with fertilizer application level and yield of rice and wheat crops using small UAVs
 Guan, S., Fukami, K., Matsunaka, H., (...), Ohdan, H., Takahashi, K.

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 Predictors of drought in inland valley landscapes and enabling factors for rice farmers' mitigation measures in the Sudan-sahel zone
 Dossou-Yovo, E.R., Zwart, S.J., Kouyaté, A., Ouédraogo, I., Bakare, O.

2019 Sustainability (Switzerland)
 Cellular Automata Markov method, an approach for rice self-sufficiency projection
 Sutrisno, D., Ambarwulan, W., Nahib, I., (...), Windiastuti, R., Kardono, P.

2019 Journal of Ecological Engineering
 Spatio-temporal analysis of rice field phenology using Sentinel-1 image in Karawang Regency West Java, Indonesia
 Supriatna, Rokhmatuloh, Wibowo, A., (...), Pratama, G.P., Gandharum, L.

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 High-Throughput Biomass Estimation in Rice Crops Using UAV Multispectral Imagery
 Devia, C.A., Rojas, J.P., Petro, E., (...), Rebolledo, M.C., Colorado, J.

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 Light-guide snapshot imaging spectrometer for remote sensing applications
 Wang, Y., Pawlowski, M.E., Cheng, S., (...), Alexander, D., Tkaczyk, T.S.

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 Application on remote sensing survey of abandoned farmlands in winter along the Huaihe River based on GF-1 image
 Ma, S., Pei, Z., Wang, F., (...), Liu, M., Lou, J.

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 Analyzing the performance of the firstderivative fluorescence spectrum for estimating leaf nitrogen concentration
 Yang, J., Du, L., Gong, W., (...), Sun, J., Chen, B.

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 Monitoring leaf potassium content using hyperspectral vegetation indices in rice leaves
 Lu, J., Yang, T., Su, X., (...), Cao, W., Tian, Y.

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 Paddy field mapping using UAV multi-spectral imagery
 Rokhmatuloh, Supriatna, Pin, T.G., (...), Shidiq, I.P.A., Wibowo, A.

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Application of thermal imaging and hyperspectral remote sensing for crop water deficit stress monitoring
 Krishna, G., Sahoo, R.N., Singh, P., (...), Pal, M., Chinnusamy, V.

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 Suitability mapping for rice cultivation in Benue State, Nigeria using satellite data
 Ujoh, F., Igbawua, T., Ogidi Paul, M.

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 Analysis of the Spectral Characteristics of *Haloxylon Ammodendron* under Water Stress
 Deng, L.-F., Zhang, F., Zhang, H.-W., Zhang, X.-L., Yuan, J.

2019 Guang Pu Xue Yu Guang Pu Fen Xi/Spectroscopy and Spectral Analysis
 Classification of rice heavy metal stress levels based on phenological characteristics using remote sensing time-series images and data mining algorithms
 Liu, T., Liu, X., Liu, M., Wu, L.

2018 Sensors (Switzerland)
 Validation of DSSAT-CERES model for rice and wheat crops with field and MODIS derived data in Haryana, India
 Rana, M., Singh, K.K., Kumari, N.

2018 International Agricultural Engineering Journal
 Agronomic and economic potential of vegetation indices for rice N recommendations under organic and mineral fertilization in Mediterranean regions
 Moreno-García, B., Casterad, M.A., Guillén, M., Quílez, D.

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 Hyperspectral discrimination of foliar biotic damages in rice using principal component analysis and probabilistic neural network

Liu, Z.-Y., Qi, J.-G., Wang, N.-N., (...), Tang, J., Cheng, J.-A.

2018 Precision Agriculture

Mapping rice planted area using a new normalized EVI and SAVI (NVI) derived from landsat-8 OLI

Li, P., Xiao, C., Feng, Z.

2018 IEEE Geoscience and Remote Sensing Letters

Accuracies achieved in classifying five leading world crop types and their growth stages using optimal earth observing-1 hyperion hyperspectral narrowbands on Google Earth Engine

Aneece, I., Thenkabail, P.

2018 Remote Sensing

Spectral mixture analysis as a unified framework for the remote sensing of evapotranspiration

Sousa, D., Small, C.

2018 Remote Sensing

Emission of air pollutants from rice residue open burning in Thailand, 2018

Junpen, A., Pansuk, J., Kamnoet, O., Cheewaphongphan, P., Garivait, S.

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Mapping cropland fallow areas in myanmar to scale up sustainable intensification of pulse crops in the farming system

Gumma, M.K., Thenkabail, P.S., Deevi, K.C., (...), Aye, T., Whitbread, A.M.

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Method for mapping rice fields in complex landscape areas based on pre-trained convolutional neural network from HJ-1 A/b data

Jiang, T., Liu, X., Wu, L.

2018 ISPRS International Journal of Geo-Information

Application of spectral indices and reflectance spectrum on leaf nitrogen content analysis derived from hyperspectral

LiDAR data

Du, L., Gong, W., Yang, J.

2018 Optics and Laser Technology

Mapping paddy rice using a Convolutional Neural Network (CNN) with Landsat 8 datasets in the Dongting Lake Area, China

Zhang, M., Lin, H., Wang, G., Sun, H., Fu, J.

2018 Remote Sensing

Establishment and application of crop growth simulating and monitoring system in China

Hou, Y., He, L., Jin, N., (...), Liu, W., Zhang, L.

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Mapping crop calendar events and phenology-related metrics at the parcel level by object-based image analysis (OBIA) of MODIS-NDVI time-series: A case study in central California

de Castro, A.I., Six, J., Plant, R.E., Peña, J.M.

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Optimizing a remote sensing production efficiency model for macro-scale GPP and yield estimation in agroecosystems

Marshall, M., Tu, K., Brown, J.

2018 Remote Sensing of Environment

Rice Planting Area Extraction Based on Multi-source Data Fusion

Wei, Y., Yang, J., Wu, Y., (...), Shehakk, M., Hou, J.

2018 Nongye Jixie Xuebao/Transactions of the Chinese Society for Agricultural Machinery

Remote sensing techniques to predict salinity intrusion: application for a data-poor area of the coastal Mekong Delta, Vietnam

Nguyen, P.T.B., Koedsin, W., McNeil, D., Van, T.P.D.

2018 International Journal of Remote Sensing

Comparing different smoothing methods to detect double-cropping rice phenology based on LAI products—a case study in the Hunan province of China

Wang, C., Zhang, Z., Chen, Y., (...), Zhang, J., Zhang, W.

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Analysis of the spectrum and vegetation index of rice under different nitrogen levels based on unmanned aerial vehicle remote sensing

Pei, X.-B., Wu, H.-L., Ma, P., (...), Hao, L., Bai, Y.

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Mapping paddy rice agriculture over China using AMSR-E time series data

Song, P., Mansaray, L.R., Huang, J., Huang, W.

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 Nationwide projection of rice yield using a crop model integrated with geostationary satellite imagery: A case study in South Korea
 Jeong, S., Ko, J., Yeom, J.-M.

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 Estimation of the directional and whole apparent clumping index (ACI) from indirect optical measurements
 Fang, H., Liu, W., Li, W., Wei, S.

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 Universal Golomb-Rice Coding Parameter Estimation Using Deep Belief Networks for Hyperspectral Image Compression
 Jiang, Z., David Pan, W., Shen, H.

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 The effect of terrain factors on rice production: A case study in Hunan Province
 Wang, C., Zhang, Z., Zhang, J., (...), Chen, Y., Ding, H.

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Classification Method by Fusion of Decision Tree and SVM Based on Sentinel-2A Image
 Wang, L., Guo, Y., He, J., (...), Zhang, X., Liu, T.

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 Estimation of methane emissions from rice paddies in the mekong delta based on land surface dynamics characterization with remote sensing
 Arai, H., Takeuchi, W., Oyoshi, K., Nguyen, L.D., Inubushi, K.

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 Environmental changes near the Mekong Delta in Vietnam using remote sensing
 Veettil, B.K., Quang, N.X.

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 Uncertainties of potentials and recent changes in global yields of major crops resulting from census- and satellite-based yield datasets at multiple resolutions
 Brown, M.E., Iizumi, T., Kotoku, M., (...), West, P.C., Gerber, J.S.

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 Delineation of vulnerable zones for YSB attacks under variable temperatures using remote sensing and GIS
 Raza, S.M.H., Mahmood, S.A., Liesenberg, V., Hassan, S.S.

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 The relation between land use and subsidence in the Vietnamese Mekong delta
 Minderhoud, P.S.J., Coumou, L., Erban, L.E., (...), Stouthamer, E., Addink, E.A.

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 Analyzing the effect of fluorescence characteristics on leaf nitrogen concentration estimation
 Yang, J., Song, S., Du, L., (...), Sun, J., Chen, B.

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 Design of a spatial sampling scheme considering the spatial autocorrelation of crop acreage included in the sampling units
 WANG, D., ZHOU, Q.-B., YANG, P., CHEN, Z.-X.

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 Identifying the relationship between soil properties and rice growth for improving consolidated land in the Yangtze River Delta, China
 Li, X., Yu, M., Ma, J., (...), Chen, F., Yang, Y.

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 Mapping up-to-date paddy rice extent at 10 M resolution in China through the integration of optical and synthetic aperture radar images
 Zhang, X., Wu, B., Ponce-Campos, G.E., (...), Chang, S., Tian, F.

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 Deep recurrent neural network for agricultural classification using multitemporal SAR Sentinel-1 for Camargue, France
 Ndikumana, E., Minh, D.H.T., Baghdadi, N., Courault, D., Hossard, L.

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 Developing crop yield forecasting models for four major Ethiopian agricultural commodities
 Meshesha, D.T., Abeje, M.

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Assessing the impact of spatial resolution on the estimation of leaf nitrogen concentration over the full season of paddy rice using near-surface imaging spectroscopy data
 Zhou, K., Cheng, T., Zhu, Y., (...), Yao, X., Tian, Y.
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 Evaluation of potential crop productivity based on remote sensing and agro-ecological zones around the world
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 Distinguishing between hazardous flooding and non-hazardous agronomic inundation in irrigated rice fields: A case study from west java
 Sianturi, R., Jetten, V.G., Ettema, J., Sartohadi, J.
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 Satellite imagery for classification of rice growth phase using freeman decomposition in Indramayu, West Java, Indonesia
 Nurtyawan, R., Saepuloh, A., Harto, A.B., Wikantika, K., Kondoh, A.
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 Developing an integrated index based on phenological metrics for evaluating cadmium stress in rice using Sentinel-2 data
 Sun, N., Wang, P., Huang, F., Li, B.
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 A web portal for rice crop improvements
 Baurley, J.W., Budiarto, A., Kacamarga, M.F., Pardamean, B.
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 A semantic labeling approach for accurate weed mapping of high resolution UAV imagery
 Huang, H., Lan, Y., Deng, J., (...), Zhang, L., Wen, S.
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Mapping paddy rice area and yields over Thai binh province in viet nam from MODIS, Landsat, and ALOS-2/PALSAR-2
 Guan, K., Li, Z., Rao, L.N., (...), Hien, N.T., Zeng, Z.
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 Estimation of leaf area index of rapeseed and rice based on deflection angle and spectral retrieval algorithm
 Liu, Y., Ma, Y., Tong, C., Duan, B., Jiang, Q.
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 BESS-Rice: A remote sensing derived and biophysical process-based rice productivity simulation model
 Huang, Y., Ryu, Y., Jiang, C., (...), Kang, M., Shim, K.
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 Partial least square discriminant analysis based on normalized two-stage vegetation indices for mapping damage from rice diseases using planetscope datasets
 Shi, Y., Huang, W., Ye, H., (...), Dong, Y., Peng, D.
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 Delineation of rice-wheat cropped area using geo-spatial techniques
 Sethi, R.R., Sarangi, A., Sahu, A.S., (...), Bandyopadhyay, K.K., Ambast, S.K.
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 Evaluation of RGB, color-infrared and multispectral images acquired from unmanned aerial systems for the estimation of nitrogen accumulation in rice
 Zheng, H., Cheng, T., Li, D., (...), Cao, W., Zhu, Y.
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 Quantifying suspended sediment dynamics in mega deltas using remote sensing data: A case study of the Mekong floodplains
 Dang, T.D., Cochrane, T.A., Arias, M.E.
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 Estimating leaf chlorophyll status using hyperspectral lidar measurements by PROSPECT model inversion
 Sun, J., Shi, S., Yang, J., (...), Mao, F., Song, S.
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 Mapping rice paddy distribution by using time series HJ blend data and phenological parameters
 Liu, W., Zeng, Y., Zhang, M.
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 Optimal scale screening of paddy rice in remote sensing imagery based on high pass filter fusion
 Zhang, X.-Y., Jing, Y.-S., Li, W.-G.

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 Optical characterization of Chinese hybrid rice using laser-induced fluorescence techniques—laboratory and remote-sensing measurements
 Duan, Z., Peng, T., Zhu, S., (...), Hu, J., Zhao, G.

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A Study on Land Suitability for Rice Cultivation in Khordha District of Odisha (India) Using Remote Sensing and GIS
 Rath, S.S., Panda, J., Annadurai, R., Nanda, S.

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 Quantification of CO₂ fluxes in paddy rice based on the characterization and simulation of CO₂ assimilation approaches
 Choi, J., Ko, J., Ng, C.T., (...), Xue, W., Cho, J.

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Spatial rice yield estimation based on MODIS and Sentinel-1 SAR data and ORYZA crop growth model
 Setiyono, T.D., Quicho, E.D., Gatti, L., (...), Khan, N.I., Holecz, F.

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 Improvement of model on rice heat injury monitor and assessment by MODIS and meteorology station data
 Guo, J., Wang, J., Wu, Y., (...), Shen, S., Yu, G.

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 Mapping Double and Single Crop Paddy Rice with Sentinel-1A at Varying Spatial Scales and Polarizations in Hanoi, Vietnam
 Lasko, K., Vadrevu, K.P., Tran, V.T., Justice, C.

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 Spatio-temporal analysis of irrigation infrastructure development and long-term changes in irrigated areas in Upper Kharun catchment, Chhattisgarh, India
 Kumar, N., Tischbein, B., Beg, M.K., Bogardi, J.J.

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 Mapping early, middle and late rice extent using Sentinel-1A and Landsat-8 data in the poyang lake plain, China
 Tian, H., Wu, M., Wang, L., Niu, Z.

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 Long-term remote monitoring the effects of rainfall and agricultural non-point sources pollution on the surface waters quality in lake taihu
 Tong, S.-L., Cui, C.-F., Bai, Y.-L., Sun, Y., Zheng, X.-H.

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 Artificial intelligence based fertilizer control for improvement of rice quality and harvest amount
 Arai, K., Shigetomi, O., Miura, Y.

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 Impact of extreme drought and incentive programs on flooded agriculture and wetlands in California's Central Valley
 Reiter, M.E., Elliott, N.K., Jongsomjit, D., Golet, G.H., Reynolds, M.D.

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 Paddy planting acreage estimation in city level based on UAV images and object-oriented classification method
 Wu, J., Liu, H., Zhang, J.

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 Mapping paddy growth stage based-on hyperspectral EO-1 hyperion using pixel purity index endmember extraction algorithm
 Suryoprayogo, H., Ramdani, F., Utaminingrum, F.

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 Extent, regional distribution and changes in area of different classes of wetland
 Davidson, N.C., Finlayson, C.M.

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 A national assessment of the effect of intensive agro-land use practices on nonpoint source pollution using emission scenarios and geo-spatial data
 Zhuo, D., Liu, L., Yu, H., Yuan, C.

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 A spatially hierarchical integration of close-range remote sensing, leaf structure and physiology assists in diagnosing spatiotemporal dimensions of field-scale ecosystem photosynthetic productivity
 Xue, W., Ko, J., Werner, C., Tenhunen, J.

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Rice recognition ability basing on GF-1 multi-temporal phases combined with near infrared data
 Wang, L., Liu, J., Yang, F., (...), Shao, J., Yang, L.

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 Tasseled cap triangle (TCT)-leaf area index (LAI)model of rice fields based on PROSAIL model and its application
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