



Guest editorial of the special issue “remote sensing in water management and hydrology”

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To cite this article: Marimuthu Karuppiah, Xiong Li & Shehzad Ashraf Chaudhry (2021) Guest editorial of the special issue “remote sensing in water management and hydrology”, European Journal of Remote Sensing, 54:sup2, 1-5, DOI: [10.1080/22797254.2021.1892335](https://doi.org/10.1080/22797254.2021.1892335)

To link to this article: <https://doi.org/10.1080/22797254.2021.1892335>



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Published online: 02 Apr 2021.



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Guest editorial of the special issue “remote sensing in water management and hydrology”

This special issue starts with an article on high seismicity detection, namely “Fluid-Induced High Seismicity in Songliao Basin of China,” co-authored by Sheng et al. (2020). The authors attempt to assess and review the activity of fluid-induced high seismicity in Songliao Basin of China using the existing data and latest research findings. The authors clearly find the relationship between high seismicity and high-pressure water injection of oil exploration. The second article is “Numerical Simulation of Temperature Field and Temperature Stress of Thermal Jet for Water Measurement,” by G. Wang et al. (2020) proposes a numerical simulation approach for water measurement. They present a new and innovative model of thermal jet drilling with significant field application. In the article, “Modeling and molecular simulation of natural gas hydrate stabilizers,” L. Wang et al. (2020) proposes natural gas hydrate and lecithin. The findings observed from the simulation indicate that hydrates disassociate more slowly.

The fourth article “The diversity of birds in typical urban lake-wetlands and its response to the landscape heterogeneity in the buffer zone based on GIS and field investigation in Daqing, China,” by T. T. Chen et al. (2020) analyses the key factors that affect the diversity of lake-wetland bird using GIS techniques and field investigations. The findings obtained from this study indicate that there were inter-species in habitat parameters, which adversely affect the distribution of birds. Thus, any imbalance in the environment can indirectly disrupt the hydrological cycle. The fifth paper “Research on desert water management and desert control” by Zhiyong Wang (2020), proposes a qualitative research on desert water management and desert control. It explores new and innovative material technologies on water management and explores the characteristics of the desert water science materials in an appropriate way. In the sixth paper “Research on Mesoscale Eddy Tracking Algorithm of Kalman Filtering Under Density Clustering on Time Scale” the authors J.-T. Li and Liang (2020) proposes a tracking algorithm based on density clustering time-scale and mesoscale. The experiments are carried out using the datasets obtained from south china sea and it better reveals the life course of mesoscale eddy in comparison to the existing techniques.

In the article “Prediction architecture of deep learning assisted short long-term neural network for advanced traffic critical prediction system using remote sensing data,” W. Wang et al. (2020) proposes a Neural Convolutional Network (NCN) based approach to predict network-wide broad traffic speed with higher accuracy. The simulation results suggest this model to be the most accurate and offer stable prediction facilities. The eighth article is entitled as “Effectiveness evaluation of the coupled LIDs from the watershed scale based on remote sensing image processing and SWMM simulation” authored by Y. Chen et al. (2020) validates the effectiveness of coupled LIDs system for the watershed scale. The major contribution of this work is three-fold and then it is validated based on remote sensing assisted image processing and SWMM simulation. The next article is “Blasting Excavation and Stability Control Technology for Ultra-high Steep Rock Slope of Hydropower Engineering in China: A Review” and it is co-authored by Deng and Chen (2020). This work reviews blasting excavation and stability control technology relating to Chinese hydro-power engineering slope. The results are evaluated using real-time case studies and it is found to be satisfactory.

The tenth article in this special section is entitled as “Dynamic Boundary of Floating Platform and Its Influence on the Deepwater Testing Tube” and it is presented by Yufa He et al. (2020). The author investigates permitted limits of various floating drilling platforms. The formulas used for this calculations are constructed using nonlinear dynamic response characteristics and methodologies. In simple terms, this work offers a dynamic theoretic model to study longitudinal-transverse coupled vibrations. In the article “Evaluation of Human Activity Intensity in Geological Environment Problems of Jinan City,” the authors Kai Peng et al. (2020), analyses human activity intensity through the determination of classical standard index. The weights of the evaluation index are attained using objective evaluation method. Consequently, the next article is “Analysis of the Relationships between the Thermophysical Properties of Rocks in the Dandong Area of China” by W. Zhu et al. (2020) The authors explore the relativity between water and the thermophysical properties of rocks. From the observation, it is concluded that there is a rise in thermal conductivity with the increase in water content.

The thirteenth article is entitled as “Eco-environmental Effects of Urban Expansion in Xinjiang and the Corresponding Mechanisms” by Y. Liu et al. (2020). The authors assess the main driving factors of the urban expansion. It offers a comprehensive view of land-use status, ecological environmental response, and socio-economic pressure on hydrological sources. The authors Qin and Zhang (2020), presents the fourteenth article of this special issue, and it is entitled as “Evolution of wetland landscape disturbance in Jiaozhou Gulf between 1973 and 2018 based on remote sensing.” The authors make use of remote sensing techniques to extract meaningful information’s from wetlands. The simulations are made using K-means clustering algorithms and the results are comparatively better than the existing systems. The next article is entitled as “Investigating urban land dynamic change and its spatial determinants in Harbin city, China,” and it is co-authored by Jin and Zhang (2020). The authors investigate urban land dynamic changes using spatial determinants. The result depicts a complete picture on driving factors that are responsible for urban development.

In the article entitled “Investigation into Valuation of Land Using Remote Sensing and GIS in Madurai, Tamilnadu, India” co-authored by Balaji and Muthukannan (2020), a significant approach to assess land use activity using remote sensing is presented. The authors assess the spatial data from a particular location with geographic information system for better decision making. The seventeenth article is authored by Wang et al. (2020) and it is entitled “Monitoring Soil Salinization in Manas River Basin, Northwestern China Based on Multi-Spectral Index Group.” The authors present an innovative approach to perform large scale and accurate monitoring of soil sanitization to control soil degradation and support sustainable agricultural development.

This method is found to be the fast and accurate approach to monitor regional soil salinity. The next article is entitled “Multi-temporal image analysis for LULC classification and change detection” and it is presented by Vivekananda et al. (2020). The authors make use of GIS approaches for land use and land change detection. The experiments are conducted with underwater bodies and the results are found to be comparatively better than the existing systems.

The nineteenth article in this special issue is entitled “The Research on Landscape Restoration Design of Watercourse in Mountainous City Based on Comprehensive Management of Water Environment” and it is co-authored by Y. Wang et al. (2020). The authors analyze the river course problems across mountainous cities and they widely focus on urban river landscape restoration. In the article “Pollution characteristics and risk assessment of heavy metals in the surface sediments of Dongting

Lake water system during normal water period,” co-authored by Qian et al. (2020), the authors assess the risk of harmful sediments across the lake water systems. It is observed from the results that most of the sediments are formed due to industrial wastewater sources. The twenty-first article is entitled “Construction of Community Life Circle Database Based on High-resolution Remote Sensing Technology and Multi-Source Data Fusion” and it is authored by Zuo et al. (2020). The authors implement high-resolution remote sensing technology to assess and monitor the construction of community life-cycle databases. The results are more accurately processed with high-resolution remote sensing images, and this work greatly adds significance to the remote sensing research community.

The twenty-second article is entitled “Adsorption, Degradation and Leaching Migration Characteristics of Chlorothalonil in Different Soils,” and it is co-authored by Feng et al. (2020). The authors study the adsorption, degradation, and leaching characteristics of chlorothalonil soil in two representative forms. They effectively identify soil contamination measures with more realistic parameters. The next article is entitled “A Feature based Change Detection approach using Multi-Scale Orientation for Multi-temporal SAR images,” and it is authored by Vijaya Geetha and Kalaivani (2020). This work effectively identifies changing weather conditions using remote sensing paradigms. The twenty-third article is co-authored by Chen et al. (2020) and it is entitled “Estimating Snow Depth Inversion Model Assisted Vector Analysis Based on Temperature Brightness for North Xinjiang region of China.” The authors detect temperature brightness using snow-depth inversion model based on vector analysis. They have successfully accomplished the research objectives using SVM classification model.

The article entitled “Spatiotemporal Evolution Characteristics of China’s Cold Chain Logistics Resources and Agricultural Product Using Remote Sensing Perspective,” co-authored by Zhang et al. (2020) forms the twenty-fifth article in this special issue. The authors present an “Remote Sensing Spatio-Temporal Logistical Regression (RS-STLR)” model to characterize the agricultural resources and enhance their value-chain measures. This work successfully validates the cold chain market using quantitative risk assessment paradigms. The twenty-sixth article is entitled “Chlorophyll-a Concentration in the Hailing Bay using Remote Sensing assisted Sparse Statistical Modelling,” co-authored by G. Liu et al. (2020) presents satellite authenticated synoptic instrument to retrieve chlorophyll pigments from the organic matter. The next article is entitled “Study on the Evolution of B&Bs Spatial Distribution Based on Exploratory Spatial Data Analysis (ESDA) and Its

Influencing Factors-with Yangtze River Delta as an Example” and it is co-authored by Qiu et al. (2020). The authors make a detailed study on exploratory spatial data analytics with remote sensing techniques. The results are comparatively satisfactory.

The twenty-eighth article is entitled “Study on Peak Cluster-depression Rocky Desertification Landscape Evolution and Human Activity-influence in South of China,” and it is co-authored by L. Li and Xiong (2020). This work explores more on traditional human farming and its influences over the landscape and hydrology. In the article entitled “Distribution of Rural Tourism Development in Geographical Space: A Case Study of 323 Traditional Villages in Shaanxi, China,” the authors Xu et al. (2020) present a case study on rural tourism development across a particular geographical space in China using remote sensing. It greatly assists in rural-revitalization. The next article is entitled “Geo-environmental suitability assessment for tunnel in sub-deep layer in Zhengzhou,” and it is co-authored by L. Guo et al. (2020). The authors make geo-environmental suitability assessment for tunnel in sub-deep layer. The geological environment is carefully evaluated using remote sensing methodologies.

The thirty-first article is entitled “Organic Carbon Isotope Record since the Late Glacial Period from Peat in the North Bank of the Yangtze River, China,” and it is co-authored by Zhou et al. (2020). The authors carefully measure detailed organic carbon isotope ($\delta^{13}\text{C}_{\text{org}}$) across north bank of the Yangtze river. The article entitled “HYSPLIT-based Demarcation of Regions Affected by Water Vapors from South China Sea and Bay of Bengal,” co-authored by Hao et al. (2020), explores the relationship between atmospheric precipitation and water vapor sources. The study was made during different monsoons of China. In the article entitled “Estimation of landscape pattern change on stream flow using SWAT-VRR,” the authors Chong et al. (2020) estimate the landscape pattern change on stream flow using SWAT model (Soil and Water Assessment Tool). The simulation results offer more accurate predictive measures.

The next article is entitled “Forecasting Reference Evapotranspiration Using Data Mining and Limited Climatic Data,” and it is co-authored by Feng and Tian (2020). The authors make a more detailed research on seismic forward modeling of hydrothermal dolomite. Given the data containing seismic attributes, this approach presents more accurate results. In the article entitled “Evaluating Applicability of Multi-Source Precipitation Datasets for Runoff Simulation of Small Watersheds: a case study in United States,” co-authored by Feng et al. (2020) the authors make a case study on small-scale hydrological water resources. The algorithmic model provides better simulation results with small

watersheds. The thirty-sixth article is entitled “A Novel Approach for Scene Classification from Remote Sensing Images using Deep Learning Methods,” and it is co-authored by Xiaowei et al. (2020). The authors present a novel approach for scene classification using remote sensing techniques. They have also implemented deep learning approaches to enhance the data analytics processes.

In the article entitled “Spatial Structure System of Land Use along Urban Rail Transit Based on GIS Spatial Clustering,” the authors Chariton Kalaitzidis et al. (2020), presents an efficient framework for land use and land change detection using remote sensing algorithms. This work addresses the implications in terms of water-energy-food nexus. The observations are made using various parameters of the sustainability and the results are convincing.

The next article in this special section is entitled “Application of active remote sensing in confirmation rights and identification of mortgage supply-demand subjects of rural land in Guangdong Province,” and it is co-authored by Hu et al. (2020). The author develops a land-use prediction model using remote sensing and deep learning to preserve the hydrological water cycle. The thirty-eight article is entitled “Assessment on Erosion Risk Based on GIS in typical Karst Region of Southwest China,” co-authored by Qiwei et al. (2020). The authors make use of remote sensing and GIS to find erosion risks in southwest China. In the article “A Research on seismic forward modeling of hydrothermal dolomite: An example from Maokou Formation in Wulonghe structure, eastern Sichuan Basin, SW China,” and it is co-authored by Z. Zhu et al. (2020). The authors efficiently solve multi-resulted problem in seismic response. The actual results indicate better performance with improved accuracy measures. In the article entitled “A Preliminary Study on the Earth’s Evolution and Condensation,” co-authored by S. Guo et al. (2020). The authors make a detailed earth observation on finding and stone and carbonate rocks. The results obtained from the observation are comparatively found to be significant. Finally, the last article in the special section is entitled “On-orbit Calibration of Sun Sensor’s Central Point Error for Triad,” co-authored by Mu et al. (2020). The author analyses the data from novel sun sensor using remote sensing and deep learning techniques. From the observation, it is observed that this approach offers decreased Euler angle errors with improved accuracy.

We would like to express our deep gratitude to all the authors and reviewers for their timely contributions. We further thank Editor-in-Chief of European Journal of Remote Sensing, Taylor & Francis for granting the privilege to edit a special issue in their reputed journal. We hope this special issue will add significant benefits to the remote sensing research community.

Disclosure statement

No potential conflict of interest was reported by the authors

References

- Balaji, L., & Muthukannan, M. (2020). Investigation into valuation of land using remote sensing and GIS in Madurai, Tamilnadu, India. *European Journal of Remote Sensing*, 1–9. <https://doi.org/10.1080/22797254.2020.1772118>
- Chen, L., Muthu, B., & Sivaparthipan, C. B. (2020). Estimating snow depth inversion model assisted vector analysis based on temperature brightness for North Xinjiang region of China. *European Journal of Remote Sensing*, 1–10. <https://doi.org/10.1080/22797254.2020.1771217>
- Chen, T., Lu, B., Bao, Z. L., Yu, T., Qing, X., & Yuandong, H. (2020). The diversity of birds in typical urban lake-wetlands and its response to the landscape heterogeneity in the buffer zone based on GIS and field investigation in Daqing, China. *European Journal of Remote Sensing*, 1–9. <https://doi.org/10.1080/22797254.2020.1738902>
- Chen, Y., Ming, T., Jiahua, W., Thomas, W., & Zhize, W. (2020). Effectiveness evaluation of the coupled LIDs from the watershed scale based on remote sensing image processing and SWMM simulation. *European Journal of Remote Sensing*, 1–15. <https://doi.org/10.1080/22797254.2020.1758962>
- Chong, W., Zhang, L.-J., Wu, Q., Cao, L.-H., Zhang, L., Yao, L.-G., Zhu, Y.-X., & Yang, F. (2020). Estimation of landscape pattern change on stream flow using SWAT-VRR. *European Journal of Remote Sensing*, 1–7. <https://doi.org/10.1080/22797254.2020.1790994>
- Deng, K., & Chen, M. (2020). Blasting excavation and stability control technology for ultra-high steep rock slope of hydropower engineering in China: A review. *European Journal of Remote Sensing*, 1–15. <https://doi.org/10.1080/22797254.2020.1752811>
- Feng, K., & Tian, J. (2020). Forecasting reference evapotranspiration using data mining and limited climatic data. *European Journal of Remote Sensing*, 1–9. <https://doi.org/10.1080/22797254.2020.1801355>
- Feng, K., Yang, H., Juncang, T., Xiangyu, L., Guoqiang, T., & Guangyuan, K. (2020). Evaluating applicability of multi-source precipitation datasets for runoff simulation of small watersheds: A case study in the United States. *European Journal of Remote Sensing*, 1–11. <https://doi.org/10.1080/22797254.2020.1819169>
- Gao, Y., Zhang, Y., & Alsulaiman, H. (2020). Spatial structure system of land use along urban rail transit based on GIS spatial clustering. *European Journal of Remote Sensing*, 1–8. <https://doi.org/10.1080/22797254.2020.1801356>
- Guo, L., Xiaojing, G., Binghua, W., Po, Y., Yafei, K., Na, L., & Hui, T. (2020). Geo-environmental suitability assessment for tunnel in sub-deep layer in Zhengzhou. *European Journal of Remote Sensing*, 1–7. <https://doi.org/10.1080/22797254.2020.1788994>
- Guo, S., Jianmin, Z., Guohua, Q., & Xudong, W. (2020). A preliminary study on the Earth's evolution and condensation. *European Journal of Remote Sensing*, 1–9. <https://doi.org/10.1080/22797254.2020.1830309>
- Hao, C., Song, L., & Zhao, W. (2020). HYSPLIT-based demarcation of regions affected by water vapors from the South China Sea and the Bay of Bengal. *European Journal of Remote Sensing*, 1–8. <https://doi.org/10.1080/22797254.2020.1795730>
- He, Y., Xiaoqiang, G., Jun, L., Hongliang, Z., Guorong, W., & Zhao, S. (2020). Dynamic boundary of floating platform and its influence on the deepwater testing tube. *European Journal of Remote Sensing*, 1–10. <https://doi.org/10.1080/22797254.2020.1762246>
- Hu, S., Zhaogang, F., Samuel, R. D. J., & Prathik, A. (2020). Application of active remote sensing in confirmation rights and identification of mortgage supply-demand subjects of rural land in Guangdong Province. *European Journal of Remote Sensing*, 1–9. <https://doi.org/10.1080/22797254.2020.1790996>
- Jin, M., & Zhang, H. (2020). Investigating urban land dynamic change and its spatial determinants in Harbin city, China. *European Journal of Remote Sensing*, 1–12. <https://doi.org/10.1080/22797254.2020.1758964>
- Li, J.-T., & Liang, Y.-Q. (2020). Research on mesoscale eddy-tracking algorithm of Kalman filtering under density clustering on time scale. *European Journal of Remote Sensing*, 1–10. <https://doi.org/10.1080/22797254.2020.1740894>
- Li, L., & Xiong, K. (2020). Study on peak cluster-depression rocky desertification landscape evolution and human activity-influence in South of China. *European Journal of Remote Sensing*, 1–9. <https://doi.org/10.1080/22797254.2020.1777588>
- Liu, G., Jingmei, W., BalaAnand, M., & Samuel, R. D. J. (2020). Chlorophyll-a concentration in the hailing bay using remote sensing assisted sparse statistical modelling. *European Journal of Remote Sensing*, 1–12. <https://doi.org/10.1080/22797254.2020.1771774>
- Liu, Y., Wen, H., Shanwei, W., & Lingyun, S. (2020). Eco-environmental effects of urban expansion in Xinjiang and the corresponding mechanisms. *European Journal of Remote Sensing*, 1–13. <https://doi.org/10.1080/22797254.2020.1803768>
- Mu, X., Sihai, L., Haiyang, Z., & Zhuoran, Y. (2020). On-orbit calibration of sun sensor's central point error for triad. *European Journal of Remote Sensing*, 1–12. <https://doi.org/10.1080/22797254.2020.1814164>
- Peng, K., Yunfeng, Z., Wenfeng, G., & Zhen, L. (2020). Evaluation of human activity intensity in geological environment problems of Ji'nan City. *European Journal of Remote Sensing*, 1–5. <https://doi.org/10.1080/22797254.2020.1771214>
- Qian, B., Cong, T., Yu, Y., & Xiao, X. (2020). Pollution characteristics and risk assessment of heavy metals in the surface sediments of Dongting Lake water system during normal water period. *European Journal of Remote Sensing*, 1–11. <https://doi.org/10.1080/22797254.2020.1763207>
- Qin, P., & Zhang, Z. (2020). Evolution of wetland landscape disturbance in Jiaozhou Gulf between 1973 and 2018 based on remote sensing. *European Journal of Remote Sensing*, 1–10. <https://doi.org/10.1080/22797254.2020.1758963>
- Qiu, Y., Zhenmin, Z., Heping, H., & Zhenhua, B. (2020). Study on the evolution of B&Bs spatial distribution based on exploratory spatial data analysis (ESDA) and its influencing factors—with Yangtze River Delta as an example. *European Journal of Remote Sensing*, 1–13. <https://doi.org/10.1080/22797254.2020.1785950>

- Qiwei, C., Xiong, K., & Zhao, R. (2020). Assessment on erosion risk based on GIS in typical Karst region of Southwest China. *European Journal of Remote Sensing*, 1–12. <https://doi.org/10.1080/22797254.2020.1793688>
- Sheng, J., Shiyi, J., Cunzhu, L., Quanfeng, L., & Hongyan, Z. (2020). Fluid-induced high seismicity in songliao Basin of China. *European Journal of Remote Sensing*, 1–5. <https://doi.org/10.1080/22797254.2020.1720525>
- Shi, X., Jianghui, S., Haijiang, W., & Xin, L. (2020). Monitoring soil salinization in Manas River Basin, Northwestern China based on multi-spectral index group. *European Journal of Remote Sensing*, 1–13. <https://doi.org/10.1080/22797254.2020.1762247>
- Vijaya Geetha, R., & Kalaivani, S. (2020). A feature based change detection approach using multi-scale orientation for multi-temporal SAR images. *European Journal of Remote Sensing*, 1–17. <https://doi.org/10.1080/22797254.2020.1759457>
- Vivekananda, G. N., Swathi, R., & Sujith, A. V. L. N. (2020). Multi-temporal image analysis for LULC classification and change detection. *European Journal of Remote Sensing*, 1–11. <https://doi.org/10.1080/22797254.2020.1771215>
- Wang, G., Tan, J., & Wang, L. (2020). Numerical simulation of temperature field and temperature stress of thermal jet for water measurement. *European Journal of Remote Sensing*, 1–10. <https://doi.org/10.1080/22797254.2020.1743956>
- Wang, L., Jiang, G., & Zhang, X. (2020). Modeling and molecular simulation of natural gas hydrate stabilizers. *European Journal of Remote Sensing*, 1–12. <https://doi.org/10.1080/22797254.2020.1738901>
- Wang, W., Samuel, R. D. J., & Hsu, C.-H. (2020). Prediction architecture of deep learning assisted short long term neural network for advanced traffic critical prediction system using remote sensing data. *European Journal of Remote Sensing*, 1–12. <https://doi.org/10.1080/22797254.2020.1755998>
- Wang, Y., Liu, X., & Hu, W. (2020). The research on landscape restoration design of watercourse in mountainous city based on comprehensive management of water environment. *European Journal of Remote Sensing*, 1–11. <https://doi.org/10.1080/22797254.2020.1763206>
- Wang, Z. (2020). Research on desert water management and desert control. *European Journal of Remote Sensing*, 1–13. <https://doi.org/10.1080/22797254.2020.1736953>
- Wang, Z., Lu, Y., Ping, C., Youyi, Y., Zhigang, Z., & Hong, L. (2020). Adsorption, degradation and leaching migration characteristics of chlorothalonil in different soils. *European Journal of Remote Sensing*, 1–10. <https://doi.org/10.1080/22797254.2020.1771216>
- Xiaowei, X., Yinrong, C., Junfeng, Z., Yu, C., Prathik, A., & Adhiyaman, M. (2020). A novel approach for scene classification from remote sensing images using deep learning methods. *European Journal of Remote Sensing*, 1–13. <https://doi.org/10.1080/22797254.2020.1790995>
- Xu, J., Mengsheng, Y., Chaoping, H., Ziliang, L., & Dan, L. (2020). Distribution of rural tourism development in geographical space: A case study of 323 traditional villages in Shaanxi, China. *European Journal of Remote Sensing*, 1–16. <https://doi.org/10.1080/22797254.2020.1788993>
- Zhang, Y., Cuixia, L., & Yao, S. (2020). Spatiotemporal evolution characteristics of China's cold chain logistics resources and agricultural product using remote sensing perspective. *European Journal of Remote Sensing*, 1–9. <https://doi.org/10.1080/22797254.2020.1765202>
- Zhou, H., Cheng, Z., Li, W., Chaogui, Z., Xiaoling, S., Qingchun, G., & Shuguang, L. (2020). Organic carbon isotope record since the Late Glacial period from peat in the North Bank of the Yangtze River, China. *European Journal of Remote Sensing*, 1–7. <https://doi.org/10.1080/22797254.2020.1795728>
- Zhu, W., Su, X., & Liu, Q. (2020). Analysis of the relationships between the thermophysical properties of rocks in the Dandong Area of China. *European Journal of Remote Sensing*, 1–10. <https://doi.org/10.1080/22797254.2020.1763205>
- Zhu, Z., Bole, G., Renfang, P., Rong, L., Yang, L., & Tianjun, H. (2020). A research on seismic forward modeling of hydrothermal dolomite: An example from Maokou formation in Wulonghe structure, eastern Sichuan Basin, SW China. *European Journal of Remote Sensing*, 1–12. <https://doi.org/10.1080/22797254.2020.1811160>
- Zuo, J., Lei, M., Chen, L., Heng, Z., Yun, Z., & Jing, D. (2020). Construction of community life circle database based on high-resolution remote sensing technology and multi-source data fusion. *European Journal of Remote Sensing*, 1–16. <https://doi.org/10.1080/22797254.2020.1763208>

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