A. Singh, “Review article digital change detection techniques using remotely-sensed data,” *International Journal of Remote Sensing*, 1989, v. 10, no. 6, pp. 989-1003.

A. Y. Alshaikh, “Space applications for drought assessment in Wadi-Dama (West Tabouk), KSA,” *The Egyptian Journal of Remote Sensing and Space Science*, 2015, v. 18, no. 1, pp. S43-S53.

C. Aniello, K. Morgan, A. Busbey and L. Newland, “Mapping micro-urban heat islands using landsat TM and a GIS,” *Computers & Geosciences*,” 1995, v. 21, no. 8, pp. 965–969.

C. Coll, V. Caselles, J.M. Galve, E. Valor, R. Nicolas, J.M. Sanchez and R. Rivas, “Ground measurements for the validation of land surface temperature derived from AATSR and MODIS data,” *Remote Sensing of Environment*, 2005, v. 97, pp. 288-300.

C. Jeganathan, N. A. S. Hamm, S. Mukherjee, P. M. Atkinson, P. L. N. Raju and V. K. Dadhwal, “Evaluating a Thermal Image Sharpening Model over a Mixed Agricultural Landscape in India,” *International Journal of Applied Earth Observation and Geoinformation,* 2011, v. 13, pp. 178–191.

C. Keeratikasikorn and S. Bonafoni, “Urban heat island analysis over the land use zoning plan of Bangkok by means of Landsat 8 imagery,” *Remote Sensing*, 2018, v. 10, no. 3, pp. 440.

C. Sarrat, A. Lemonsu, V. Masson and D. Guedalia, “Impact of urban heat island on regional atmospheric pollution,” *Atmospheric Environment*, 2006, v. 40, pp. 1743–1758.

C. O. Justice, L. Giglio, S. Korontzi, J. Owens, J. T. Morisette, D. Roy, J. Descloitres, S. Alleaume, F. Petitcolin and Y. Kaufman, “The MODIS Fire Products,” *Remote Sensing of Environment,* 2002, v. 83, pp. 244–62.

C. Rinner and M. Hussain, “Toronto’s urban heat island—Exploring the relationship between land use and surface temperature,” *Remote Sensing*, 2011, v. 3, no. 6, pp. 1251-1265.

C. Wu, “Normalized Spectral Mixture Analysis for Monitoring Urban Composition Using ETM+ Imagery,” *Remote Sensing of Environment,* 2004, v. 93, no. 4, pp. 480–492.

C. Wu and A. T. Murray, “Estimating Impervious Surface Distribution by Spectral Mixture Analysis,” *Remote Sensing of Environment,* 2003, v. 84, no. 4, pp. 493–505.

D. Eleftheriou, K. Kiachidis, G. Kalmintzis, A. Kalea, C. Bantasis, P. Koumadoraki and A. Gemitzi, "Determination of annual and seasonal daytime and nighttime trends of MODIS LST over Greece-climate change implications," *Science of the total Environment*, 2018, v. 616, pp. 937-947.

D. J. Nowak, K. L. Civerolo, S. T. Rao, G. Sistla, C. J. Luley and D. E. Crane (2000) A modeling study of the impact of urban trees on ozone. *Atmospheric Environment*, 2000, v. 34, no. 10, pp. 1601-1613.

D. Kalota, "Exploring relation of land surface temperature with selected variables using geographically weighted regression and ordinary least square methods in Manipur State, India," *Geocarto International*, 2017, v. 32, no. 10, pp. 1105-1119.

D. R. Streutker, "Satellite-measured growth of the urban heat island of Houston, Texas," *Remote Sensing of Environment*, 2003, v. 85, pp. 282–289.

D. Zhang, R. Tang, B. Tang, B. Wu, Z. Li, "A Simple Method for Soil Moisture Determination From LST–VI Feature Space Using Nonlinear Interpolation Based on Thermal Infrared Remotely Sensed Data," *IEEE Journal of Selceted Topics in Applied Earth Observation and Remote Sensing,* 2015, v. 8, no.2, pp. 638-648.

D. Zhou, J. Xiao, S. Bonafoni, C. Berger, K. Deilami, Y. Zhou, S. Frolking, R. Yao, Z. Qiao, and J. Sobrino, "Satellite Remote Sensing of Surface Urban Heat Islands: Progress, Challenges, and Perspectives," *Remote Sensing,* 2019, v. 11, no.1, pp. 48.

D. Zhou, S. Zhao, L. Zhang, G. Sun and Y. Liu, "The footprint of urban heat island effect in China," *Scientific Reports*, 2015, v. 5, no.1, 1-11.

E. Adinna, E. I. Christian and A.T. Okolie, "Assessment of urban heat island and possible adaptations in Enugu urban using landsat-ETM," *Journal of Geography and Regional Planning,* 2009, v.2, no. 2, pp. 030-036.

F. Gao, W. P. Kustas & M. C. Anderson, "A data mining approach for sharpening thermal satellite imagery over land," *Remote Sensing*, 2012, v. 4, no. 11, pp. 3287-3319.

F. Yuan and M. E. Bauer, “Comparison of impervious surface area and normalized difference vegetation index as indicators of surface urban heat island effects in Landsat imagery*,” Remote Sening of Environment,* 2007, v. 106, pp. 375–386.

G. Chander and B. Markham, “Revised Landsat-5 TM radiometric calibration procedures and postcaliberation dynamic ranges,” *IEEE Transaction of Geoscience and Remote Sensing*, 2003, v. 41, no. 11, pp. 2674-2677.

G. Grigoraș and B. Urițescu, “Land Use/Land Cover changes dynamics and their effects on Surface Urban Heat Island in Bucharest, Romania,” *International Journal of Applied Earth Observation and Geoinformation*, 2019, v. 80, pp. 115-126.

G. Manteghi, Hasanuddin and D. Remaz, “Water Bodies an Urban Microclimate: A Review,” *Modern Applied Science*, 2015, v. 9, no. 6, ISSN 1913-1844.E-ISSN 1913-1852.

G. Mountrakis and L. Luo, “Enhancing and replacing spectral information with intermediate structural inputs: a case study on impervious surface detection,” *Remote Sensing of Environment,* 2011, v. 115, pp. 1162-1170.

H. Akbari, M. Pomerantz and H. Taha, “Cool surfaces and shade trees to reduce energy use and improve air quality in urban areas,” *Solar energy*, 2001, v. 70, no. 3, pp. 295-310.

H. Govil, S. Guha, A. Dey and N. Gill, “Seasonal evaluation of downscaled land surface temperature: A case study in a humid tropical city,” *Heliyon*, 2019, v. 5, no. 6, pp. e01923.

H. Li, Y. Zhou, X. Li, L. Meng, X. Wang, S. Wu and S. Sodoudi, “A new method to quantify surface urban heat island intensity,” *Science of the total Environment*, 2018, v. 624, pp. 262-272.

H. Shastri, B. Barik, S. Ghosh, C. Venkataraman and P. Sadavarte, “Flip flop of day-night and summer-winter surface urban heat island intensity in India,” *Scientific reports*, 2017, v. *7*, no.1, pp. 1-8.

H. Taha, D. Sailor and H. Akbari, “High-Albedo Materials for Reducing Building Cooling Energy use,” *Lawrence Berkeley Lab Rep*. 31721, 1992, UC-350, Berkeley, CA.

H. Taha, “Urban climates and heat islands: albedo, evapotranspiration, and anthropogenic heat,” *Energy and buildings,* 1997, v. 25, no. 2, pp. 99-103.

H. Tran, D. Uchihama, S. Ochi and Y. Yasuoka, “Assessment with satellite data of the urban heat island effects in Asian mega cities,” *International Journal of Applied Earth Observation and Geoinformation*, 2006, v. 8, pp. 34–48.

H. Xu, D. Lin and F. Tang, “The impact of impervious surface development on land surface temperature in a subtropical city: Xiamen, China,” *International Journal of Climatology*, 2013, v. *33*, no. 8, pp. 1873-1883.

I. Ogashawara and V. S. B. Bastos, “A Quantitative Approach for Analyzing the Relationship between Urban Heat Islands and Land Cover,” *Remote Sensing,* 2012, v. 4, pp. 3596-3618.

J. A. Barsi, J. R. Schott, F. D. Palluconi and S. J. Hook, “Validation of a web-based atmospheric correction tool for single thermal band instruments,” *Proceedings SPIE, Bellingham, WA, USA*, 2005, v. 5882, Paper 58820E, pp. 1–7.

J. A. Sobrino, R. Oltra-Carrió, J. C. Jiménez-Mu˜noz, Y. Julien, G. Sòria, B. Franch and C. Mattar, “Emissivity mapping over urban areas using a classification-based approach: Application to the Dual-use European Security IR Experiment (DESIREX),” *International Journal of Applied Earth Observation and Geoinformation*, 2012, v. 18, pp. 141–147.

J. A. Voogt and T. R. Oke, “Thermal remote sensing of urban climates,” *Remote Sensing of Environment,* 2003, v. 86, pp. 370-384.

J. C. Jiménez-Muñoz and J. A. Sobrino, “A Single-Channel Algorithm for Land-Surface Temperature Retrieval from ASTER Data,” *IEEE Geoscience and Remote Sensing Letters,* 2010, v. 7, no. 1, pp. 176-179.

J. Mallick, Y. Kant and B. D. Bharath, “Estimation of land surface temperature over Delhi using Landsat-7 ETM+,” *Journal of Indian Geophyical Union*, 2008, v. 12, pp. 131-140.

J. Tsou, J. Zhuang, Y. Li, Y. Zhang, "Urban Heat Island Assessment Using the Landsat 8 Data: A Case Study in Shenzhen and Hong Kong," *Urban Science*, 2017, v. 1, pp. 10.

J. W. Wang, W. T. Chow & Y. C. Wang, "A global regression method for thermal sharpening of urban land surface temperatures from MODIS and Landsat," *International Journal of Remote Sensing*, 2020, v. 41, no. 8, pp. 2986-3009.

J. Zhang, Y. Wang and Y. Li, "A C++ program for retrieving land surface temperature from the data of Landsat TM/ETM+ band 6," *Computers and Geoscience,* 2006, v. 32, pp. 1796-1805.

J. Zhang and Y. Wang, "Study of the relationships between the spatial extent of surface urban heat islands and urban characteristic factors based on Landsat ETM+ data," *Sensors*, 2008, v. 8, no. 11, pp. 7453-7468.

K. Abutaleb, A. Ngie, A. Darwish, M. Ahmed, S. Arafat and F. Ahmed, "Assessment of Urban Heat Island using remote sensed imagery over greater Cairo, Egypt," *Advances in Remote Sens*ing, 2015, v. 4, pp. 35–47.

K. D. Pati, R. Adnan, B. A. Rasheed, MD. J. Muhammad Alias, "Estimation parameters using Bisquare weighted robust ridge regression BRLTS estimator in the presence of multicollinearity and outliers," *AIP Conference Proceedings,* 2016, v. 1750, no. 1, pp. 060028.

K. Liu, J. Fang, D. Zhao, X. Liu, X. Zhang, X. Wang and X. Li, "An Assessment of Urban Surface Energy Fluxes Using a Sub-Pixel Remote Sensing Analysis: A Case Study in Suzhou, China," *ISPRS International Journal of Geo-Information,* 2016, v. 5, pp. 11.

K. Zhang, R. Wang, C. Shen and L. Da, "Temporal and spatial characteristics of the urban heat island during rapid urbanization in Shanghai, China," *Environmental Monitoring and Assessment*, 2010, v. 169, pp. 101–112.

L. Chen, M. Li, F. Huang and S. Xu, "Relationships of LST to NDBI and NDVI in Wuhan City based on Landsat ETM+ image," *In 2013 6th International Congress on Image and Signal Processing (CISP),* 2013, December, v. 2, pp. 840-845. IEEE.

L. Howard, “The climate of London reduced from meteorological observations made in the metropolis and various places around it,” *2nd edn. A. Arch, Cornhill, Longman & Co., London*, 1833.

L. Liu and Y. Zhang, “Urban Heat Island Analysis Using the Landsat TM Data and ASTER Data: A Case Study in Hong Kong,” *Remote Sensing,* 2011, v. 3, pp. 1535-1552.

L. Wald, T. Ranchin and M. Mangolini, “Fusion of satellite images of different spatial resolutions: assessing the quality of resulting images**,”** *Photogrammetric Engineering and Remote Sensing*, 1997, v. 63, pp. 691-699.

L. Wang, J. J. Qu, “Satellite remote sensing applications for surface soil moisture monitoring: A review,” *Frontiers of Earth Science in China*, 2009, v. 3, no. 2, pp. 237–247.

Md. Nuruzzaman, (2015), “Urban Heat Island: Causes, Effects and Mitigation Measures - A Review,” *International Journal of Environmental Monitoring Analysis,* 2015, v. 3 , no. 2, pp. 67-73.

M. D. Steven, T. J. Malthus, F. Baret, H. Xu, M. J. Chopping, “Intercalibration of vegetation indices from different sensor systems,” *Remote Sensing of Environment*, 2003, v. 88, no. 4, pp. 412–422.

M. Lillo-Saavedra, A. García-Pedrero, G. Merino & C. Gonzalo-Martín, “Ts2urf: A new method for sharpening thermal infrared satellite imagery,” *Remote Sensing*, 2017, v. 10, no. 2, pp. 249.

M. Stathopoulou and C. Cartalis, “Downscaling AVHRR land surface temperatures for improved surface urban heat island intensity estimation,” *Remote Sensing of Environment*, 2009, v. 113, no. 15, pp. 2592–2605.

M. Tiangco, A. M. F. Lagmay and J. Argete, “ASTER-based study of the night-time urban heat island effect in Metro Manila,” *International Journal of Remote Sensing*, 2008, v. 29, no. 10, pp. 2799–2818.

N. Agam, W.P. Kustas, M. C. Anderson, F. Li and M. U. Neale, “A vegetation index based technique for spatial sharpening of thermal imagery,” *Remote Sensing of Environment,* 2007b, v. 107, pp. 545–558.

N. Agam, W.P. Kustas, M. C. Anderson, F. Li and P.D. Colaizzi, "Utility of thermal sharpening over Texas high plains irrigated fields," *Journal of Geophysical Research,* 2007a, v. 112, no. D19, pp. 110.

N. B. Grimm, S. H. Faeth, N. E. Golubiewski, C. L. Redman, J. Wu, X. Bai and J. M. Briggs, "Global Change and ecology of cities," *Science*, 2008, v. 319, pp. 756-760.

N. Luintel, W. Ma, Y. Ma, B. Wang and S. Subba, "Spatial and temporal variation of daytime and nighttime MODIS land surface temperature across Nepal," *Atmospheric and Oceanic Science Letters*, 2019, v. 12, no. 5, pp. 305-312.

N. Nandkeolyar and G. SandhyaKiran, "A climatological study of the spatio-temporal variability of land surface temperature and vegetation cover of Vadodara district of Gujarat using satellite data," *International Journal of Remote Sensing*, 2019, v. 40, no.1, pp. 218-236.

N. Shirani-Bidabadi, T. Nasrabadi, S. Faryadi, A. Larijani and M. S. Roodposhti, "Evaluating the spatial distribution and the intensity of urban heat island using remote sensing, case study of Isfahan city in Iran," *Sustainable cities and society*, 2019, v. 45, pp. 686-692.

P. J. Rousseeuw, "Least Median of squares regression," *Journal of the American statistical association,* v. 79, no. 388, pp. 871-880.

P. K. Rao, "Remote sensing of urban heat islands from an environmental satellite," *Bulletin of the American Meteorological Society*, 1972, v. 53, pp. 647–648.

P. M. Atkinson, "Downscaling in remote sensing," *International Journal of Applied Earth Observation and Geoinformation*, 2013, v. 22, pp. 106-114.

P. Mohammad, A. Goswami and S. Bonafoni, "The Impact of the Land Cover Dynamics on Surface Urban Heat Island Variations in Semi-Arid Cities: A Case Study in Ahmedabad City, India, Using Multi-Sensor/Source Data," *Sensors*, 2019, v. 19 no. 17, pp. 3701.

P. Sidique, A. Huete and R. Devadas, "Spatio-Temporal Mapping and Monitoring of Urban Heat Island Patterns over Sydney, Australia using MODIS and Landsat-8," *2016*

Fourth International Workshop on Earth Observation and Remote Sensing Applications, pp. 217-221, IEEE.

P. Qi, S. Hu, H. Zhang & G. Guo, "Sharpening method of satellite thermal image based on the geographical statistical model," *Journal of Applied Remote Sensing*, 2016, v. 10, no. 2, pp. 025013.

Q. Huang, J. Huang, X. Yang, C. Fang and Y. Liang, "Quantifying the seasonal contribution of coupling urban land use types on Urban Heat Island using Land Contribution Index: A case study in Wuhan, China," *Sustainable Cities and Society*, 2019, v. 44, pp. 666-675.

Q. Meng, L. Zhang, Z. Sun, F. Meng, L. Wang and Y. Sun, "Characterizing spatial and temporal trends of surface urban heat island effect in an urban main built-up area: A 12-year case study in Beijing, China," *Remote Sensing of Environment*, 2018, v. 204, pp. 826-837.

Q. Weng, "Thermal infrared remote sensing for urban climate and environmental studies: Methods, applications, and trends," *ISPRS Journal of Photogrammetric Remote Sensing*, 2009, v. 64, pp. 335-344.

R. Amiri, Q. Weng, A. Alimohammadi and S. K. Alavipanah, "Spatial-temporal dynamics of land surface temperature in relation to fractional vegetation cover and land use/cover in the Tabriz urban area, Iran" *Remote Sensing of Environment*, 2009, v. 113, pp. 2606-2617.

R. Bala, R. Prasad, V. P. Yadav, J. Sharma, "A Comparative Study of Land Surface Temperature with Different Indices on Heterogeneous Land Cover using Landsat 8 Data," *International Archives Photogrammetry Remote Sensing Spatial Information Sciences*, 2018, XLII-5, pp. 389-394.

R. Eswar, M. Sekhar and B. K. Bhattacharya, "Disaggregation of LST over India: comparative analysis of different vegetation indices," *International Journal of Remote Sensing,* 2016*,* v. 37, no. 5, pp. 1035-1054.

R. H. Alhawati and D. Mitsova, "Using Landsat-8 data to explore the correlation between urban heat island and urban land uses," *International Journal of Research in Engineering and Technology*, 2016, v. 5, pp. 457-466.

R. K. Kauffman, K. C. Seto, A. Schneider, Z. Liu, L. Zhou and W. Wang, "Climate response to rapid urban growth: evidence of a human-induced precipitation deficit," *Journal of Climate,* 2007, v. 20, pp. 2299-2306.

R. Kumar, V. Mishra, J. Buzan, R. Kumar, D. Shindell and M. Huber, "Dominant control of agriculture and irrigation on urban heat island in India," *Scientific reports*, 2017, v. 7, no. 1, pp. 1-10.

R. M. S. S. Sanjeewani and L. Manawadu, "Spatial Trends of Land Surface Temperature Variation over Selected Urban regions in Sri Lanka using Remote Sensing," *Asian Journal of Geoinformatics*, 2016, v. 16, no. 3.

R. Pu, P. Gong, R. Michishita and T. Sasagawa, "Assessment of multi-resolution and multi-sensor data for urban surface temperature retrieval," *Remote Sensing of Environment*, 2006, v. 104, no. 2, pp. 211-225.

R. Yao, L. Wang, X. Huang, Z. Niu, F. Liu and Q. Wang, "Temporal trends of surface urban heat islands and associated determinants in major Chinese cities," *Science of Total Environment,* 2017, v. 609, pp. 742-754.

R. Yao, L. Wang, X. Huang, J. Chen, J. Li, Z. Niu, "Less sensitive of urban surface to climate variability than rural in Northern China," *Science of Total Environment,* 2018, v. 628, pp. 650-660.

R. Yao, L. Wang, X. Huang, W. Zhang, J. Li, Z. Niu, "Interannual variations in surface urban heat island intensity and associated drivers in China," *Journal of environmental management*, 2018, v. *222*, pp. 86-94.

S. Bonafoni, "Downscaling of Landsat and MODIS Land Surface Temperature Over the Heterogeneous Urban Area of Milan," *IEEE Journal of Selected Topics in Applied Earth Observation and Remote Sensing,* 2016*,* v. 9 , no. 5, pp. 2019-2027.

S. Duan and Z. L. Li, “Spatial Downscaling of MODIS Land Surface Temperatures Using Geographically Weighted Regression: Case Study in Northern China,” *IEEE Transaction of Geoscience and Remote Sensing,* 2016, v. 54, pp. 11.

S. Kato and Y. Yamaguchi, “Analysis of urban heat-island effect using ASTER and ETM+ Data: Separation of anthropogenic heat discharge and natural heat radiation from sensible heat flux,” *Remote Sensing of Environment,* 2005, v. 99, pp. 44-54.

S. Mukherjee, P. K. Joshi and R. D. Garg, “A comparison of different regression models for downscaling Landsat and MODIS land surface temperature images over heterogeneous landscape,” *Advances in Space Research*, 2014, v. 145, pp. 55-67.

S. Mukherjee, P. K. Joshi and R. D. Garg, “Analysis of urban built-up areas and surface urban heat island using downscaled MODIS derived land surface temperature data,” *Geocarto International*, 2017, v. 32, no. 8, pp. 900-918.

S. Sultana and A. N. V. Satyanarayana, “Urban heat island intensity during winter over metropolitan cities of India using remote-sensing techniques: Impact of urbanization,” *International Journal of Remote Sensing*, 2018, v. 39, no. 20, pp. 6692-6730.

T. Hung, D. Uchihama, S. Ochi and Y. Yasuoka, “Assessment with satellite data of the urban heat island effects in Asian mega cities,” *International Journal of Applied Earth Observation and Geoinformation*, 2006, v. 8, pp. 34–48.

T. Phan, M. Kappas and T. Tran, “Land Surface Temperature Variation Due to Changes in Elevation in Northwest Vietnam,” *Climate*, 2018, v. 6, no. 2, pp. 28.

T. R. Oke, “Boundary layer climates,” *2nd edn. Methuen, London/New York*, 1987, pp 262-302.

U. Rajasekar and Q. Weng, “Urban Heat Island Monitoring and Analysis Using a Non Parametric Model: A Case Study of Indianapolis,” *ISPRS Journal of Photogrammetry Remote Sensing* , 2009, v. 64, pp. 86–96.

United Nation, (2015). World Urbanization Prospects: The 2014 Revision. New York.

W. Essa, B. Verbeiren, J. Van Der Kwast, T. Van De Voorde and O. Batelaan, " Evaluation of the Distrad Thermal Sharpening Methodology for Urban Areas," *International Journal of Applied Earth Observation and Geoinformation,* 2012, v. 19, pp. 163–172.

W. Kuang, J. Liu, J. Dong, W. Chi and C. Zhang, "The rapid and massive urban and industrial land expansions in China between 1990 and 2010: a CLUD-based analysis of their trajectories, patterns and drivers," *Landscape Urban Planning*, 2016, v. 145, pp. 21–33.

W. Kuang, J. Liu, Z. Zhang, D. Lu and B. Xiang, "Spatiotemporal dynamics of impervious surface areas across China during the early 21st century," *Chinese Scence Bulletin*, 2013, v. 58, no. 14, pp. 1691–1701.

W. P. Kustas, J. M. Norman, M. C., Anderson and A. N., French, "Estimating Subpixel Surface Temperatures and Energy Fluxes from the Vegetation Index-Radiometric Temperature Relationship," *Remote Sensing of Environment,* 2003, v. 85, pp. 429-440.

W. Zhan, Y. Chen, J. Zhou, J. Wang, W. Liu, J. Voogt, X. Zhu, J. Quan, J. Li, "Disaggregation of remotely sensed land surface temperature: Literature survey, taxonomy, issues, and caveats," *Remote Sensing of Environment,* 2013, v. 131, pp. 119–139.

X. L. Chen, H. M. Zhao, P. X. Li and Z. Y. Yin, "Remote sensing image-based analysis of the relationship between urban heat island and land use/cover changes," *Remote Sensing of Environment*, 2006, v. 104, no. 2, pp. 133–146.

X. Luo and W. Li, "Scale effect analysis of the relationships between urban heat island and impact factors: case study in Chongqing," *Journal of Applied Remote Sensing,* 2014, v. 8, 084995, pp. 1-13.

X. Pan, X. Zhu, Y. Yang, C. Cao, X. Zhang and L. Shan, "Applicability of downscaling land surface temperature by using normalized difference sand index," *Scientific reports*, 2018, v. 8, no. 1, pp. 9530

X. X. Zhang, P. F. Wu and B. Chen, "Relationships between vegetation greenness and urban heat island effect in Beijing City of China," *Procedia Environmental Sciences,* 2010, v. 2, pp. 1438-1450.

X. Yang, L. Ruby Leung, N. Zhao, C. Zhao, Y. Qian, K. Hu and B. Chen, "Contribution of urbanization to the increase of extreme heat events in an urban agglomeration in east China," *Geophysical Research Letters*, 2017, v. 44, no.13, pp. 6940-6950.

X. Yu, X. Guo and Z. Wu, "Land Surface Temperature Retreival from Landsat 8 TIRS-Comparison between Radiative Transfer Equation-Based Method, Split Window Algorithm and Single Channel Method," *Remote Sensing*, 2014, v. 6, pp. 9829-9852.

Y. Julien and J. A. Sobrino, "The Yearly Land Cover Dynamics (YLCD) Method: An Analysis of Global Vegetation from NDVI and LST Parameters," *Remote Sensing of Environment,* 2009, v. 113, pp. 329–34.

Y. Xiong, S. Huang, F. Chen, H. Ye, C. Wang and C. Zhu, "The impacts of rapid urbanization on the thermal environment: A remote sensing study of Guangzhou, South China," *Remote sensing*, v. 4, no. 7, pp. 2033-2056.

Y. Yang, X. Li, X. Pan, Y. Zhang and C. Cao, "Downscaling Land Surface Temperature in Complex Regions by Using Multiple Scale Factors with Adaptive Thresholds," *Sensors,* 2017, v. 17, pp. 744.

Y. Zhang, I. O. A. Odeh and C. Han, "Bi-temporal characterization of land surface temperature in relation to impervious surface area, NDVI and NDBI, using a sub-pixel image analysis," *International Journal of Applied Earth Observation and Geoinformation,* 2009, v. 11, pp. 256-264.

Y. Zhou and K. Gurney, "A new methodology for quantifying on-site residential and commercial fossil fuel CO2 emissions at the building spatial scale and hourly time scale," *Carbon Manage*, 2010, v. 1, no. 1, pp. 45–56.

Y. Zhou, Q. Weng, K. R. Gurney, Y. Shuai and X. Hu, "Estimation of the relationship between remotely sensed anthropogenic heat discharge and building energy use," *ISPRS Journal of Photogrammetric and Remote Sensing,* 2012, v. 67, pp. 65–72.

Z. Wan, Y. Zhang, Q. Zhang and Z. Li, "Validation of land-surface temperature products retrieved from Terra Moderate Resolution Imaging Spectroradiometer data," *Remote Sensing of Environment,* 2002, v. 83, pp. 163-180.