**References**

Alberti, Marina, Derek Booth, Kristina Hill, Bekkah Coburn, Christina Avolio, Stefan Coe, and Daniele Spirandelli. 2007. "The Impact of Urban Patterns on Aquatic Ecosystems: An Empirical Analysis in Puget Lowland Sub-Basins." *Landscape and Urban Planning* 80 (4): 345–61. https://doi.org/10.1016/j.landurbplan.2006.08.001.

Alberti, Marina, Cristian Correa, John M. Marzluff, Andrew P. Hendry, Eric P. Palkovacs, Kiyoko M. Gotanda, Victoria M. Hunt, Travis M. Apgar, and Yuyu Zhou. 2017. "Global Urban Signatures of Phenotypic Change in Animal and Plant Populations." *Proceedings of the National Academy of Sciences* 114 (34): 8951–56. https://doi.org/10.1073/pnas.1606034114.

Arnfield, A. John. 2003. "Two Decades of Urban Climate Research: A Review of Turbulence, Exchanges of Energy and Water, and the Urban Heat Island." *International Journal of Climatology* 23 (1): 1–26. https://doi.org/10.1002/joc.859.

Bakdash, Jonathan Z., and Laura R. Marusich. 2017. "Repeated Measures Correlation." *Frontiers in Psychology* 8 (April). https://doi.org/10.3389/fpsyg.2017.00456.

Bechtel, Benjamin, Matthias Demuzere, Gerald Mills, Wenfeng Zhan, Panagiotis Sismanidis, Christopher Small, and James Voogt. 2019. "SUHI Analysis Using Local Climate Zones—A Comparison of 50 Cities." *Urban Climate* 28 (June): 100451. https://doi.org/10.1016/j.uclim.2019.01.005.

Bettencourt, Luís M. A., José Lobo, Dirk Helbing, Christian Kühnert, and Geoffrey B. West. 2007. "Growth, Innovation, Scaling, and the Pace of Life in Cities." *Proceedings of the National Academy of Sciences* 104 (17): 7301–6. https://doi.org/10.1073/pnas.0610172104.

Bhatta, B., S. Saraswati, and D. Bandyopadhyay. 2010. "Urban Sprawl Measurement from Remote Sensing Data." *Applied Geography*, Climate Change and Applied Geography – Place, Policy, and Practice, 30 (4): 731–40. https://doi.org/10.1016/j.apgeog.2010.02.002.

Boone, Christopher G., Elizabeth Cook, Sharon J. Hall, Marcia L. Nation, Nancy B. Grimm, Carol B. Raish, Deborah M. Finch, and Abigail M. York. 2012. "A Comparative Gradient Approach as a Tool for Understanding and Managing Urban Ecosystems." *Urban Ecosystems* 15 (4): 795–807. https://doi.org/10.1007/s11252-012-0240-9.

Bounoua, Lahouari, Joseph Nigro, Ping Zhang, Kurtis Thome, and Asia Lachir. 2018. "Mapping Urbanization in the United States from 2001 to 2011." *Applied Geography* 90 (January): 123–33. https://doi.org/10.1016/j.apgeog.2017.12.002.

Carol, M.L., C.M. DiMiceli, M.R. Wooten, A.B. Hubbard, R.A. Sohlberg, and J. R. G. Townshend. 2017. "MOD44W MODIS/Terra Land Water Mask Derived from MODIS and SRTM L3 Global 250m SIN Grid V006." *NASA EOSDIS Land Processes DAAC*. https://doi.org/10.5067/MODIS/MOD44W.006.

Carruthers, John I. 2002. "The Impacts of State Growth Management Programmes: A Comparative Analysis." *Urban Studies* 39 (11): 1959–82. https://doi.org/10.1080/0042098022000011317.

Census Bureau, United States. 2012. "Increasing Urbanization: Population Distribution by City Size, 1790 to 1890." Data Visualization. https://www.census.gov/dataviz/visualizations/005/.

———. 2016. "New Census Data Show Differences Between Urban and Rural Populations." Press Release CB16-210. American Community Survey 2011-2015: U.S. Census Bureau. https://www.census.gov/newsroom/press-releases/2016/cb16-210.html.

Chen, Shaoqing, and Bin Chen. 2015. "Urban Energy Consumption: Different Insights from Energy Flow Analysis, Input–Output Analysis and Ecological Network Analysis." *Applied Energy* 138 (January): 99–107. https://doi.org/10.1016/j.apenergy.2014.10.055.

Childers, Daniel L., Steward TA Pickett, J. Morgan Grove, Laura Ogden, and Alison Whitmer. 2014. "Advancing Urban Sustainability Theory and Action: Challenges and Opportunities." *Landscape and Urban Planning* 125: 320–328.

CIESIN, and Columbia University. 2018. "Gridded Population of the World, Version 4 (GPWv4): Population Count Adjusted to Match 2015 Revision of UN WPP Country Totals, Revision 11." Center for International Earth Science Information Network. Palisades, NY: NASA Socioeconomic Data and Applications Center (SEDAC). https://doi.org/10.7927/H4PN93PB.

Clinton, Nicholas, and Peng Gong. 2013. "MODIS Detected Surface Urban Heat Islands and Sinks: Global Locations and Controls." *Remote Sensing of Environment* 134 (July): 294–304. https://doi.org/10.1016/j.rse.2013.03.008.

Connors, John Patrick, Christopher S. Galletti, and Winston T. L. Chow. 2013. "Landscape Configuration and Urban Heat Island Effects: Assessing the Relationship between Landscape Characteristics and Land Surface Temperature in Phoenix, Arizona." *Landscape Ecology* 28 (2): 271–83. https://doi.org/10.1007/s10980-012-9833-1.

Debbage, Neil, and J. Marshall Shepherd. 2015. "The Urban Heat Island Effect and City Contiguity." *Computers, Environment and Urban Systems* 54 (November): 181–94. https://doi.org/10.1016/j.compenvurbsys.2015.08.002.

Deng, Yu, Wei Qi, Bojie Fu, and Kevin Wang. 2019. "Geographical Transformations of Urban Sprawl: Exploring the Spatial Heterogeneity across Cities in China 1992–2015." *Cities*, July, 102415. https://doi.org/10.1016/j.cities.2019.102415.

Dinerstein, Eric, David Olson, Anup Joshi, Carly Vynne, Neil D. Burgess, Eric Wikramanayake, Nathan Hahn, et al. 2017. "An Ecoregion-Based Approach to Protecting Half the Terrestrial Realm." *BioScience* 67 (6): 534–45. https://doi.org/10.1093/biosci/bix014.

Dobbs, Richard, and Shirish Sankhe. 2010. "Opinion: India vs China." *Financial Times*, May 18, 2010, sec. Emerging Markets. https://www.ft.com/content/4298b79e-6263-11df-991f-00144feab49a.

Eakin, Hallie, Alexandra Winkels, and Jan Sendzimir. 2009. "Nested Vulnerability: Exploring Cross-Scale Linkages and Vulnerability Teleconnections in Mexican and Vietnamese Coffee Systems." *Environmental Science & Policy*, Special Issue: Food Security and Environmental ChangeFood Security and Environmental Change: Linking Science, Development and Policy for Adaptation, 12 (4): 398–412. https://doi.org/10.1016/j.envsci.2008.09.003.

Elvidge, Christopher D., Daniel Ziskin, Kimberly E. Baugh, Benjamin T. Tuttle, Tilottama Ghosh, Dee W. Pack, Edward H. Erwin, and Mikhail Zhizhin. 2009. "A Fifteen Year Record of Global Natural Gas Flaring Derived from Satellite Data." *Energies* 2 (3): 595–622. https://doi.org/10.3390/en20300595.

European Space Agency, and Université Catholique de Louvain. 2010. "GlobCover 2009 (Global Land Cover Map)" V2.3 (December). http://due.esrin.esa.int/page\_globcover.php.

Ewing, Reid, Shima Hamidi, James B. Grace, and Yehua Dennis Wei. 2016. "Does Urban Sprawl Hold down Upward Mobility?" *Landscape and Urban Planning* 148 (April): 80–88. https://doi.org/10.1016/j.landurbplan.2015.11.012.

Fan, Chao, Wenwen Li, Levi J. Wolf, and Soe W. Myint. 2015. "A Spatiotemporal Compactness Pattern Analysis of Congressional Districts to Assess Partisan Gerrymandering: A Case Study with California and North Carolina." *Annals of the Association of American Geographers* 105 (4): 736–53. https://doi.org/10.1080/00045608.2015.1039109.

Fan, Chao, Soe W. Myint, and Baojuan Zheng. 2015. "Measuring the Spatial Arrangement of Urban Vegetation and Its Impacts on Seasonal Surface Temperatures." *Progress in Physical Geography: Earth and Environment* 39 (2): 199–219. https://doi.org/10.1177/0309133314567583.

Farr, Tom G., Paul A. Rosen, Edward Caro, Robert Crippen, Riley Duren, Scott Hensley, Michael Kobrick, et al. 2007. "The Shuttle Radar Topography Mission." *Reviews of Geophysics* 45 (2). https://doi.org/10.1029/2005RG000183.

Forman, Richard T. T. 2014. *Urban Ecology: Science of Cities*. Cambridge, UK: Cambridge University Press.

Frazier, Amy E. 2019. "Landscape Metrics." In *The Geographic Information Science & Technology Body of Knowledge*, 2nd Quarter 2019 Edition. https://gistbok.ucgis.org/bok-topics/landscape-metrics.

Friedl, Mark A., and D. Sulla-Menashe. 2019. "MCD12Q1 MODIS/Terra+Aqua Land Cover Type Yearly L3 Global 500m SIN Grid V006." *NASA EOSDIS Land Processes DAAC*.

Galletti, Christopher S., Xiaoxiao Li, and John Patrick Connors. 2019. "Establishing the Relationship between Urban Land-Cover Configuration and Night Time Land-Surface Temperature Using Spatial Regression." *International Journal of Remote Sensing* 40 (17): 6752–74. https://doi.org/10.1080/01431161.2019.1594432.

Georgescu, Matei, Philip E. Morefield, Britta G. Bierwagen, and Christopher P. Weaver. 2014. "Urban Adaptation Can Roll Back Warming of Emerging Megapolitan Regions." *Proceedings of the National Academy of Sciences* 111 (8): 2909–14. https://doi.org/10.1073/pnas.1322280111.

Goldblatt, Ran, Michelle F. Stuhlmacher, Beth Tellman, Nicholas Clinton, Gordon Hanson, Matei Georgescu, Chuyuan Wang, et al. 2018. "Using Landsat and Nighttime Lights for Supervised Pixel-Based Image Classification of Urban Land Cover." *Remote Sensing of Environment* 205 (February): 253–75. https://doi.org/10.1016/j.rse.2017.11.026.

Goldblatt, Ran, Wei You, Gordon Hanson, and Amit K. Khandelwal. 2016. "Detecting the Boundaries of Urban Areas in India: A Dataset for Pixel-Based Image Classification in Google Earth Engine." *Remote Sensing* 8 (8): 634. https://doi.org/10.3390/rs8080634.

Gorelick, Noel, Matt Hancher, Mike Dixon, Simon Ilyushchenko, David Thau, and Rebecca Moore. 2017. "Google Earth Engine: Planetary-Scale Geospatial Analysis for Everyone." *Remote Sensing of Environment*, Big Remotely Sensed Data: tools, applications and experiences, 202 (December): 18–27. https://doi.org/10.1016/j.rse.2017.06.031.

Groffman, Peter M., Jeannine Cavender-Bares, Neil D. Bettez, J. Morgan Grove, Sharon J. Hall, James B. Heffernan, Sarah E. Hobbie, et al. 2014. "Ecological Homogenization of Urban USA." *Frontiers in Ecology and the Environment* 12 (1): 74–81. https://doi.org/10.1890/120374.

Güneralp, Burak, Meredith Reba, Billy U. Hales, Elizabeth A. Wentz, and Karen C. Seto. 2020. "Trends in Urban Land Expansion, Density, and Land Transitions from 1970 to 2010: A Global Synthesis." *Environmental Research Letters* 15 (4): 044015.

Hahs, Amy K., Mark J. McDonnell, Michael A. McCarthy, Peter A. Vesk, Richard T. Corlett, Briony A. Norton, Steven E. Clemants, et al. 2009. "A Global Synthesis of Plant Extinction Rates in Urban Areas." *Ecology Letters* 12 (11): 1165–73. https://doi.org/10.1111/j.1461-0248.2009.01372.x.

Hondula, David M., Matei Georgescu, and Robert C. Balling. 2014. "Challenges Associated with Projecting Urbanization-Induced Heat-Related Mortality." *Science of The Total Environment* 490 (August): 538–44. https://doi.org/10.1016/j.scitotenv.2014.04.130.

Hurkmans, R. T. W. L., W. Terink, R. Uijlenhoet, E. J. Moors, P. A. Troch, and P. H. Verburg. 2009. "Effects of Land Use Changes on Streamflow Generation in the Rhine Basin." *Water Resources Research* 45 (6): W06405. https://doi.org/10.1029/2008WR007574.

Imhoff, Marc L., Ping Zhang, Robert E. Wolfe, and Lahouari Bounoua. 2010. "Remote Sensing of the Urban Heat Island Effect across Biomes in the Continental USA." *Remote Sensing of Environment* 114 (3): 504–13. https://doi.org/10.1016/j.rse.2009.10.008.

Jenerette, G. Darrel, and David Potere. 2010. "Global Analysis and Simulation of Land-Use Change Associated with Urbanization." *Landscape Ecology* 25 (5): 657–70. https://doi.org/10.1007/s10980-010-9457-2.

Kalnay, Eugenia, and Ming Cai. 2003. "Impact of Urbanization and Land-Use Change on Climate." *Nature* 423 (6939): 528–31. https://doi.org/10.1038/nature01675.

Kamarianakis, Yiannis, Xiaoxiao Li, B. L. Turner, and Anthony J. Brazel. 2017. "On the Effects of Landscape Configuration on Summer Diurnal Temperatures in Urban Residential Areas: Application in Phoenix, AZ." *Frontiers of Earth Science* 13 (3): 445–63. https://doi.org/10.1007/s11707-017-0678-4.

Kong, Fanhua, Haiwei Yin, Nobukazu Nakagoshi, and Yueguang Zong. 2010. "Urban Green Space Network Development for Biodiversity Conservation: Identification Based on Graph Theory and Gravity Modeling." *Landscape and Urban Planning* 95 (1): 16–27. https://doi.org/10.1016/j.landurbplan.2009.11.001.

Li, Junxiang, Conghe Song, Lu Cao, Feige Zhu, Xianlei Meng, and Jianguo Wu. 2011. "Impacts of Landscape Structure on Surface Urban Heat Islands: A Case Study of Shanghai, China." *Remote Sensing of Environment* 115 (12): 3249–3263.

Li, Xiaoma, Weiqi Zhou, Zhiyun Ouyang, Weihua Xu, and Hua Zheng. 2012. "Spatial Pattern of Greenspace Affects Land Surface Temperature: Evidence from the Heavily Urbanized Beijing Metropolitan Area, China." *Landscape Ecology* 27 (6): 887–98. https://doi.org/10.1007/s10980-012-9731-6.

Li, Xiaoxiao, Yiannis Kamarianakis, Yun Ouyang, Billie L. Turner II, and Anthony Brazel. 2017. "On the Association between Land System Architecture and Land Surface Temperatures: Evidence from a Desert Metropolis—Phoenix, Arizona, U.S.A." *Landscape and Urban Planning* 163: 107–20. https://doi.org/10.1016/j.landurbplan.2017.02.009.

Li, Xiaoxiao, Wenwen Li, A. Middel, S. L. Harlan, A. J. Brazel, and B. L. Turner II. 2016. "Remote Sensing of the Surface Urban Heat Island and Land Architecture in Phoenix, Arizona: Combined Effects of Land Composition and Configuration and Cadastral–Demographic–Economic Factors." *Remote Sensing of Environment* 174 (March): 233–43. https://doi.org/10.1016/j.rse.2015.12.022.

Lin, Tao, Valerie Gibson, Shenghui Cui, Chang-Ping Yu, Shaohua Chen, Zhilong Ye, and Yong-Guan Zhu. 2014. "Managing Urban Nutrient Biogeochemistry for Sustainable Urbanization." *Environmental Pollution* 192 (September): 244–50. https://doi.org/10.1016/j.envpol.2014.03.038.

Liu, Xiaoping, Guohua Hu, Yimin Chen, Xia Li, Xiaocong Xu, Shaoying Li, Fengsong Pei, and Shaojian Wang. 2018. "High-Resolution Multi-Temporal Mapping of Global Urban Land Using Landsat Images Based on the Google Earth Engine Platform." *Remote Sensing of Environment* 209 (May): 227–39. https://doi.org/10.1016/j.rse.2018.02.055.

Marusich, Laura R., and Jonathan Z. Bakdash. 2018. *Rmcorr* (version 0.3.0). R. https://cran.r-project.org/web/packages/rmcorr/rmcorr.pdf.

McGarigal, Kevin, Samuel A. Cushman, and E Ene. 2012. "FRAGSTATS v4: Spatial Pattern Analysis Program for Categorical and Continuous Maps." Computer Software Program Produced by the Authors at the University of Massachusetts, Amherst. 2012. http://www.umass.edu/landeco/research/fragstats/fragstats.html.

McPhillips, L. E., S. R. Earl, R. L. Hale, and N. B. Grimm. 2019. "Urbanization in Arid Central Arizona Watersheds Results in Decreased Stream Flashiness." *Water Resources Research* 55 (11). https://doi.org/10.1029/2019WR025835.

Meng, Dan, Siyao Yang, Huili Gong, Xiaojuan Li, and Jing Zhang. 2016. "Assessment of Thermal Environment Landscape over Five Megacities in China Based on Landsat 8." *Journal of Applied Remote Sensing* 10 (June): 026034. https://doi.org/10.1117/1.JRS.10.026034.

Migurski, Michal. 2018. *Compactr*. gerrymandr/compactr: Metric Geometry and Gerrymandering Group. https://github.com/gerrymandr/compactr.

Mora, Camilo, Bénédicte Dousset, Iain R. Caldwell, Farrah E. Powell, Rollan C. Geronimo, Coral R. Bielecki, Chelsie W. W. Counsell, et al. 2017. "Global Risk of Deadly Heat." *Nature Climate Change* 7 (7): 501–6. https://doi.org/10.1038/nclimate3322.

Nechyba, Thomas J., and Randall P. Walsh. 2004. "Urban Sprawl." *The Journal of Economic Perspectives; Nashville* 18 (4): 177–200.

Ng, Hui-Fuang. 2006. "Automatic Thresholding for Defect Detection." *Pattern Recognition Letters* 27 (14): 1644–49. https://doi.org/10.1016/j.patrec.2006.03.009.

Oke, T. R. 1988. "Street Design and Urban Canopy Layer Climate." *Energy and Buildings* 11 (1): 103–13. https://doi.org/10.1016/0378-7788(88)90026-6.

Oke, T. R., G. Mills, A. Christen, and J. A Voogt. 2017. *Urban Climates*. Cambridge University Press. http://www.cambridge.org/us/academic/subjects/earth-and-environmental-science/climatology-and-climate-change/urban-climates.

Oliveira, Erneson A., José S. Andrade, and Hernán A. Makse. 2014. "Large Cities Are Less Green." *Scientific Reports* 4 (February): 4235. https://doi.org/10.1038/srep04235.

Otsu, N. 1979. "A Threshold Selection Method from Gray-Level Histograms." *IEEE Transactions on Systems, Man, and Cybernetics* 9 (1): 62–66. https://doi.org/10.1109/TSMC.1979.4310076.

Peng, Shushi, Shilong Piao, Philippe Ciais, Pierre Friedlingstein, Catherine Ottle, François-Marie Bréon, Huijuan Nan, Liming Zhou, and Ranga B. Myneni. 2012. "Surface Urban Heat Island across 419 Global Big Cities." *Environmental Science & Technology* 46 (2): 696–703. https://doi.org/10.1021/es2030438.

Pierer, Carl, and Felix Creutzig. 2019. "Star-Shaped Cities Alleviate Trade-off between Climate Change Mitigation and Adaptation." *Environmental Research Letters* 14 (8): 085011. https://doi.org/10.1088/1748-9326/ab2081.

Polsky, Colin, J. Morgan Grove, Chris Knudson, Peter M. Groffman, Neil Bettez, Jeannine Cavender-Bares, Sharon J. Hall, et al. 2014. "Assessing the Homogenization of Urban Land Management with an Application to US Residential Lawn Care." *Proceedings of the National Academy of Sciences* 111 (12): 4432–37. https://doi.org/10.1073/pnas.1323995111.

Rahman, Atiqur, Shiv Prashad Aggarwal, Maik Netzband, and Shahab Fazal. 2011. "Monitoring Urban Sprawl Using Remote Sensing and GIS Techniques of a Fast Growing Urban Centre, India." *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing* 4 (1): 56–64. https://doi.org/10.1109/JSTARS.2010.2084072.

Reock, Ernest C. 1961. "A Note: Measuring Compactness as a Requirement of Legislative Apportionment." *Midwest Journal of Political Science* 5 (1): 70–74. https://doi.org/10.2307/2109043.

Rosenzweig, Cynthia, and William Solecki. 2015. "New York City Panel on Climate Change 2015 Report Introduction." *Annals of the New York Academy of Sciences* 1336 (1): 3–5. https://doi.org/10.1111/nyas.12625.

Rozenfeld, Hernán D., Diego Rybski, José S. Andrade, Michael Batty, H. Eugene Stanley, and Hernán A. Makse. 2008. "Laws of Population Growth." *Proceedings of the National Academy of Sciences* 105 (48): 18702–7. https://doi.org/10.1073/pnas.0807435105.

Sassen, Saskia. 2008. "Re-Assembling the Urban." *Urban Geography* 29 (2): 113–26. https://doi.org/10.2747/0272-3638.29.2.113.

Schneider, A., and C. M. Mertes. 2014. "Expansion and Growth in Chinese Cities, 1978–2010." *Environmental Research Letters* 9 (2): 024008. https://doi.org/10.1088/1748-9326/9/2/024008.

Seto, Karen C., and Michail Fragkias. 2005. "Quantifying Spatiotemporal Patterns of Urban Land-Use Change in Four Cities of China with Time Series Landscape Metrics." *Landscape Ecology* 20 (7): 871–88. https://doi.org/10.1007/s10980-005-5238-8.

Seto, Karen C., Michail Fragkias, Burak Güneralp, and Michael K. Reilly. 2011. "A Meta-Analysis of Global Urban Land Expansion." *PLOS ONE* 6 (8): e23777. https://doi.org/10.1371/journal.pone.0023777.

Seto, Karen C., Burak Güneralp, and Lucy R. Hutyra. 2012. "Global Forecasts of Urban Expansion to 2030 and Direct Impacts on Biodiversity and Carbon Pools." *Proceedings of the National Academy of Sciences* 109 (40): 16083–88. https://doi.org/10.1073/pnas.1211658109.

Seto, Karen C., Anette Reenberg, Christopher G. Boone, Michail Fragkias, Dagmar Haase, Tobias Langanke, Peter Marcotullio, Darla K. Munroe, Branislav Olah, and David Simon. 2012. "Urban Land Teleconnections and Sustainability." *Proceedings of the National Academy of Sciences of the United States of America* 109 (20): 7687–92. https://doi.org/10.1073/pnas.1117622109.

Shastri, Hiteshri, Beas Barik, Subimal Ghosh, Chandra Venkataraman, and Pankaj Sadavarte. 2017. "Flip Flop of Day-Night and Summer-Winter Surface Urban Heat Island Intensity in India." *Scientific Reports* 7 (1): 1–8. https://doi.org/10.1038/srep40178.

Stuhlmacher, Michelle, Riley Andrade, B. L. Turner II, Amy E. Frazier, and Wenwen Li. 2020. "Environmental Outcomes of Urban Land System Change: Comparing Riparian Design Approaches in the Phoenix Metropolitan Area." *Land Use Policy* in press.

Turner, B.L., Anthony C. Janetos, Peter H. Verburg, and Alan T. Murray. 2013. "Land System Architecture: Using Land Systems to Adapt and Mitigate Global Environmental Change." *Global Environmental Change* 23 (2): 395–97. https://doi.org/10.1016/j.gloenvcha.2012.12.009.

United Nations. 2018. "World Urbanization Prospects: 2018 Revision." SP.URB.TOTL.IN.ZS. United Nations, Population Division. https://www.un.org/development/desa/publications/2018-revision-of-world-urbanization-prospects.html.

Wan, Z., S. Hook, and G. Hulley. 2015. "MOD11A2 MODIS/Terra Land Surface Temperature/Emissivity 8-Day L3 Global 1km SIN Grid V006." *NASA EOSDIS Land Processes DAAC.* https://doi.org/10.5067/MODIS/MOD11A2.006.

Xu, Hanqiu. 2006. "Modification of Normalised Difference Water Index (NDWI) to Enhance Open Water Features in Remotely Sensed Imagery." *International Journal of Remote Sensing* 27 (14): 3025–33. https://doi.org/10.1080/01431160600589179.

Zhang, Yujia, Ariane Middel, and B. L. Turner. 2019. "Evaluating the Effect of 3D Urban Form on Neighborhood Land Surface Temperature Using Google Street View and Geographically Weighted Regression." *Landscape Ecology* 34 (3): 681–97. https://doi.org/10.1007/s10980-019-00794-y.

Zhou, Bin, Diego Rybski, and Jürgen P. Kropp. 2017. "The Role of City Size and Urban Form in the Surface Urban Heat Island." *Scientific Reports* 7 (1): 4791. https://doi.org/10.1038/s41598-017-04242-2.

Zhou, Weiqi, Ganlin Huang, and Mary L. Cadenasso. 2011. "Does Spatial Configuration Matter? Understanding the Effects of Land Cover Pattern on Land Surface Temperature in Urban Landscapes." *Landscape and Urban Planning* 102 (1): 54–63. https://doi.org/10.1016/j.landurbplan.2011.03.009.

Zhou, Weiqi, Jia Wang, and Mary L. Cadenasso. 2017. "Effects of the Spatial Configuration of Trees on Urban Heat Mitigation: A Comparative Study." *Remote Sensing of Environment* 195 (June): 1–12. https://doi.org/10.1016/j.rse.2017.03.043.