# Constantine E Kontokosta

## List of Publications by Citations

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|---|---|---|---|
| 44 papers | 1,214 citations | 23 h-index | 34 g-index |
| 51 ext. papers | 1,632 ext. citations | 8 avg, IF | 5.91 L-index |

| # | Paper | IF | Citations |
|---|-------|----|-----------|
| 44 | A data-driven predictive model of city-scale energy use in buildings. *Applied Energy*, **2017**, 197, 303-317 | 10.7 | 123 |
| 43 | The Resilience to Emergencies and Disasters Index: Applying big data to benchmark and validate neighborhood resilience capacity. *Sustainable Cities and Society*, **2018**, 36, 272-285 | 10.1 | 73 |
| 42 | Modeling the energy retrofit decision in commercial office buildings. *Energy and Buildings*, **2016**, 131, 1-20 | 7 | 66 |
| 41 | Rethinking HVAC temperature setpoints in commercial buildings: The potential for zero-cost energy savings and comfort improvement in different climates. *Building and Environment*, **2019**, 155, 350-359 | 6.5 | 57 |
| 40 | Grading buildings on energy performance using city benchmarking data. *Applied Energy*, **2019**, 233-234, 244-253 | 10.7 | 57 |
| 39 | Using machine learning and small area estimation to predict building-level municipal solid waste generation in cities. *Computers, Environment and Urban Systems*, **2018**, 70, 151-162 | 5.9 | 51 |
| 38 | Modeling the determinants of large-scale building water use: Implications for data-driven urban sustainability policy. *Sustainable Cities and Society*, **2015**, 18, 44-55 | 10.1 | 47 |
| 37 | Evaluation of tree-based ensemble learning algorithms for building energy performance estimation. *Journal of Building Performance Simulation*, **2018**, 11, 322-332 | 2.8 | 44 |
| 36 | Applications of machine learning methods to identifying and predicting building retrofit opportunities. *Energy and Buildings*, **2016**, 128, 431-441 | 7 | 43 |
| 35 | Large-scale parameterization of 3D building morphology in complex urban landscapes using aerial LiDAR and city administrative data. *Computers, Environment and Urban Systems*, **2019**, 73, 126-142 | 5.9 | 42 |
| 34 | Determinants of Green Building Adoption. *Environment and Planning B: Planning and Design*, **2014**, 41, 551-570 | | 39 |
| 33 | Urban phenology: Toward a real-time census of the city using Wi-Fi data. *Computers, Environment and Urban Systems*, **2017**, 64, 144-153 | 5.9 | 38 |
| 32 | Greening the Regulatory Landscape: The Spatial and Temporal Diffusion of Green Building Policies in U.S. Cities. *Journal of Sustainable Real Estate*, **2011**, 3, 68-90 | 0.5 | 38 |
| 31 | Energy disclosure, market behavior, and the building data ecosystem. *Annals of the New York Academy of Sciences*, **2013**, 1295, 34-43 | 6.5 | 37 |
| 30 | Pattern recognition in building energy performance over time using energy benchmarking data. *Applied Energy*, **2018**, 221, 576-586 | 10.7 | 36 |
| 29 | A Market-Specific Methodology for a Commercial Building Energy Performance Index. *Journal of Real Estate Finance and Economics*, **2015**, 51, 288-316 | 1.1 | 34 |
| 28 | Using a gradient boosting model to improve the performance of low-cost aerosol monitors in a dense, heterogeneous urban environment. *Atmospheric Environment*, **2018**, 184, 9-16 | 5.3 | 34 |

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| 27 | Digital footprints: Using WiFi probe and locational data to analyze human mobility trajectories in cities. *Computers, Environment and Urban Systems*, **2018**, 72, 4-12 | 5.9 | 33 |
| 26 | Big Data + Big Cities: Graph Signals of Urban Air Pollution [Exploratory SP]. *IEEE Signal Processing Magazine*, **2014**, 31, 130-136 | 9.4 | 26 |
| 25 | Mixed-Income Housing and Neighborhood Integration: Evidence from Inclusionary Zoning Programs. *Journal of Urban Affairs*, **2014**, 36, 716-741 | 1.7 | 25 |
| 24 | Structure of 311 service requests as a signature of urban location. *PLoS ONE*, **2017**, 12, e0186314 | 3.7 | 24 |
| 23 | Quantifying place: Analyzing the drivers of pedestrian activity in dense urban environments. *Landscape and Urban Planning*, **2018**, 180, 166-178 | 7.7 | 24 |
| 22 | Urban Informatics in the Science and Practice of Planning. *Journal of Planning Education and Research*, **2018**, 0739456X1879371 | 1.8 | 24 |
| 21 | Energy Cost Burdens for Low-Income and Minority Households. *Journal of the American Planning Association*, **2020**, 86, 89-105 | 2.9 | 23 |
| 20 | The Quantified Community and Neighborhood Labs: A Framework for Computational Urban Science and Civic Technology Innovation. *Journal of Urban Technology*, **2016**, 23, 67-84 | 5.9 | 22 |
| 19 | The Price of Victory: The Impact of the Olympic Games on Residential Real Estate Markets. *Urban Studies*, **2012**, 49, 961-978 | 3.2 | 20 |
| 18 | The impact of urban street tree species on air quality and respiratory illness: A spatial analysis of large-scale, high-resolution urban data. *Health and Place*, **2019**, 56, 80-87 | 4.6 | 19 |
| 17 | Bias in smart city governance: How socio-spatial disparities in 311 complaint behavior impact the fairness of data-driven decisions. *Sustainable Cities and Society*, **2021**, 64, 102503 | 10.1 | 19 |
| 16 | Exposure density and neighborhood disparities in COVID-19 infection risk. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118, | 11.5 | 17 |
| 15 | Low hanging fruit? Regulations and energy efficiency in subsidized multifamily housing. *Energy Policy*, **2017**, 106, 505-513 | 7.2 | 14 |
| 14 | The impact of mandatory energy audits on building energy use. *Nature Energy*, **2020**, 5, 309-316 | 62.3 | 13 |
| 13 | Topic modeling to discover the thematic structure and spatial-temporal patterns of building renovation and adaptive reuse in cities. *Computers, Environment and Urban Systems*, **2019**, 78, 101383 | 5.9 | 11 |
| 12 | Do inclusionary zoning policies equitably disperse affordable housing? A comparative spatial analysis. *Journal of Housing and the Built Environment*, **2015**, 30, 569-590 | 2 | 11 |
| 11 | Measuring inequality in community resilience to natural disasters using large-scale mobility data. *Nature Communications*, **2021**, 12, 1870 | 17.4 | 9 |
| 10 | Applications of Machine Learning Methods to Predict Readmission and Length-of-Stay for Homeless Families: The Case of Win Shelters in New York City. *Journal of Technology in Human Services*, **2018**, 36, 89-104 | 1.8 | 6 |

| 9 | Spatial and Geographic Patterns of Building Energy Performance: A Cross-City Comparative Analysis of Large-Scale Data **2017**, | | 3 |
|---|---|---|---|
| 8 | Tall Buildings and Urban Expansion: Tracing the Evolution of Zoning in the United States. *Leadership and Management in Engineering*, **2013**, 13, 190-198 | | 3 |
| 7 | Urban informatics for social good **2017**, | | 2 |
| 6 | A data-driven methodology for equitable value-capture financing of public transit operations and maintenance. *Transport Policy*, **2018**, 66, 107-115 | 5.7 | 2 |
| 5 | Geo-Tagged Social Media Data as a Proxy for Urban Mobility. *Advances in Intelligent Systems and Computing*, **2018**, 29-40 | 0.4 | 2 |
| 4 | Building retrofit hurdle rates and risk aversion in energy efficiency investments. *Applied Energy*, **2022**, 306, 118048 | 10.7 | 1 |
| 3 | The Quantified Community and Neighborhood Labs: A Framework for Computational Urban Planning and Civic Technology Innovation. *SSRN Electronic Journal*, | 1 | 1 |
| 2 | From Transparency to Transformation: A Market-Specific Methodology for a Commercial Building Energy Performance Rating System. *SSRN Electronic Journal*, | 1 | 1 |
| 1 | Take the Q train: Value capture of public infrastructure projects. *Journal of Urban Economics*, **2022**, 129, 103422 | 4.1 | 0 |