

# Matthew E. Kahn

## Vita

June 2020  
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Webpage: <https://sites.google.com/site/mek1966/>  
DOB: 1966

### Education

1988-1993. University of Chicago, Ph.D. in Economics.  
1986-1987. London School of Economics, G.C. in Economic History.  
1984-1988. Hamilton College, B.A. in Economics.  
1980-1984. Scarsdale High School

### Employment

June 2020 Provost Professor of Economics at USC

July 2019 Bloomberg Distinguished Professor of Economics and Business at Johns Hopkins University, Director of the 21st Century Cities Initiative

2017-2019 Chairman of the Department of Economics at USC

July 2016 Professor of Economics at USC (on leave until July 2021)

July 2015-  
June 2016 Visiting Professor of Economics at USC

July 2006 -  
June 2016 Professor at UCLA  
Institute of the Environment and Sustainability (primary appointment) with courtesy appointments in the Department of Economics, Department of Public Policy, Anderson School of Management, the UCLA Law School

Summer 2013 Low Tuck Kwong Distinguished Visiting Professor at the National University of Singapore Business School and the School of Design and Environment, and the Department of Real Estate

2006-2007. Professor of Economics at Tufts University  
Fletcher School and the Department of Economics

2003-2004. Visiting Associate Professor of Economics, Stanford University  
2000-2006. Associate Professor of Economics, Fletcher School, Tufts University

2000. Visiting Fellow, Public Policy Institute of California  
 1999-2000. Associate Professor of Economics and International Affairs, Columbia University (untenured)  
 1996-1998. Visiting Assistant Professor of Economics, Harvard University  
 1993-1999. Assistant Professor of Economics and International Affairs, Columbia University

## **Awards and Lectures**

Alfred P. Sloan Foundation Dissertation Fellowship 1993.  
 Distinguished Fellow, Bing Center for Health Economics at the Rand Institute 2006.  
 Research Associate of the NBER Environmental and Energy Economics Group, 9/2007-  
 Keynote Lecture on 9/11/2009 in Beijing at the Peking University/Lincoln Institute Conference on Green Cities  
 UCSB Bren School, Distinguished Visitor on Climate Change Winter 2010  
 One of 2010's Ten Distinguished Alumni of Scarsdale High School  
 Keynote Lecture on 2/3/2011 at the Wagner School at NYU's Rudin Seminar  
 Keynote Lecture at the Green Building Conference in March 2011 in Maastricht, Holland.  
 Luskin Fellow at UCLA during the 2010-2011 Academic Year  
 Keynote Lecture at Lincoln Institute Conference, July 2011 in Beijing.  
 PERC Lone Mountain Fellow Summer 2011  
 Honorary Professor, Nankai University, Tianjin China, Summer 2011  
 The Levine Family Fund Lecture Series , UC Davis February 2012  
 Plenary Speaker at the June 2012 Global Development Network Conference in Budapest  
 Plenary Speaker at the October 2012 World Bank Conference in Barcelona.  
 QJE 2012 Excellence in Refereeing Award  
 Keynote Speaker at the July 2013 1st Biennial Conference of China Development Studies at Shanghai Jiao Tong University  
 Chair's Lecture at the California Air Resources Board, August 2013  
 Plenary Speaker at the June 2014 5th World Congress of Environmental and Resource Economists Conference in Istanbul  
 IGC Member of the Infrastructure and Urbanization Group  
 IZA Research Fellow, Summer 2013-  
 Visiting Scholar, NYU Stern School  
 University of Pennsylvania Institute for Urban Research Scholar, Summer 2013  
 Interdisciplinary Lecture Series at NUS, September 2013  
 Speaker at the Chicago Booth 7th Annual Real Estate Conference, October 2013  
 James Madison University, Gilliam Lecture Series, April 2014  
 Keynote at Peking University and Lincoln Institute International Conference, July 12th 2014  
 Keynote at the Lincoln Institute and Shanghai University of Finance and Economy, a conference in Shanghai July 5-6 2014.  
 Lecturer at California State Long Beach , September 2014  
 Dinner Speaker at the Federal Reserve Bank of Atlanta, 2014  
 Dinner Speaker at March 2015 NBER Conference on Environmental and Energy Economics

Keynote at Drexel University Sustainability Conference, May 21st 2015  
UCSB Babcock Lecture , October 15th 2015  
JRS Lecture, November 2015  
Lecturer UC Berkeley [Environmental Economics Summer School](#) , 2011, 2013, 2014  
Keynote speaker at the World Bank-GWU Conference on Sustainable Urbanization (February 1, 2016)  
PERC Julian Simon Fellow Summer 2016 and 2017  
Provocative Lecture Series, San Jose State University April 2017  
France Summer Urban Economics Lectures Summer 2017 , Rennes  
Paris, Urban Economics Summer School, June 15th 2017  
Keynote Speaker, Lusk Real Estate Center in Santa Barbara May 2017  
Keynote Speaker University of Illinois, Institute for Sustainability, Energy and Environment  
iSEE Congress 2017  
[Mini Keynote](#) at the 5th Annual Urban Conference at the World Bank in September 2018.  
[Mini Keynote](#) at the 6th Annual Urban Conference at the World Bank in September 2019.  
[Rice Lecture at NYU Wagner School on October 2nd 2019](#)  
[A House Divided: Federal Reserve Bank of Boston Conference on October 5th 2019](#)  
LSE Environmental Economics Conference (June 22nd 2020)

## **Service**

Visiting Scholar, NYU Stern School Urbanization Project, November 2012-,  
UCLA Luskin Scholar  
Director of Research for the UCLA Anderson School's Richard Ziman Real Estate Center ,  
Summer 2010-2015  
Co-Editor of the Review of Environmental Economics and Policy, July 1, 2009-January 2011,  
Editor of the Policy Monitor Section through summer 2015  
Board of Editors, Journal of Housing Economics, December 2009  
Editorial Council for the Journal of Environmental Economics and Management, February  
2009-January 2012  
Associate Editor of Journal of Regional Science 2003-, special editor of the February 2007 issue  
of the Journal of Regional Science on environmental issues  
Co-Editor of Journal of Regional Science 2007-2008.  
Associate Editor of Regional Science and Urban Economics 2004-  
Associate Editor of Journal of Urban Economics 2007-  
Editorial Board of Environmental Economics and Policy Studies  
California Air Resources Board Research Screening Committee, October 2008 -2015  
University of California Energy Institute, Intercampus Advisory Committee  
National Science Foundation multidisciplinary advisory panel that examined  
environment-related proposals submitted for the FY 2008 Human and Social Dynamics  
competition.  
California Air Resources Board's External Review of the Economic Effects of AB32  
Suggested back cover quotation for the October 2003 and the October 2006 issues of the Journal  
of Political Economy  
Co-Organizer of the NBER February 2014 Conference on China and the Environment

Co-Organizer of the NBER March 2015 Conference on Environmental and Urban Economics  
Co-Editor of Regional Science and Urban Economics, January 2015-July 2018  
Associate Editor [of PlosOne](#)  
Director of the 21st Century Cities Initiative at Johns Hopkins University , July 2019-

### **Grants and Contracts**

National Science Foundation Grant #1632945 EAGER: Developing a Framework for Mitigating Environmental Externalities in the Power Sector to Maximize Regional Outcomes,” The PI is Kelly Sanders, Matthew E. Kahn is the Co-PI  
June 1 , 2016 and ends May 31, 2018. \$300,000

National Science Foundation Grant #9906165, The Concentration of Urban Poverty, 9/11/2000-8/31/2002. (Co-Principal Investigator with Ed Glaeser) \$100,612

National Institute of Health grant R01 AG19637, 9/1/2002-8/31/2007. Senior Investigator, *Older Age Health and Longevity: A Long-Term View*. (Dora Costa is the Principal Investigator).  
Total direct and indirect \$725,335

National Institute of Health grant, *Environmental Stress, Social Networks, and Older Age Health and Mortality*. NIH grant R01AG027960, Sept 1, 2007-Aug 31, 2012. Senior Investigator. (Dora Costa is the Principal Investigator). Total direct and indirect \$1.2 million

Lincoln Institute. (Siqi Zheng and Rui Wang are co-PIs). \$25,000. 2009

International Growth Center (joint with Siqi Zheng), \$12,000 2011

Haynes Foundation \$12,000, 2009

Research Contract from the California Air Resources Board, Fall 2009, \$175,000 (Frank Wolak is the co-PI).

Research Contract from MTI: (joint with Matthew Holian), \$79,000 The Impact of Center City Economic and Cultural Vibrancy on GHG Emissions from Transportation.

Multiple UCLA grants from the Ziman Center

### **Google and REPEC Quality Metrics**

18526 Total Google Scholar Citations (h-index of 64)

As of May 2020

[REPEC Ranking](#) of #318 out of 50000 economists around the world  
REPEC Last Ten Year Ranking of #149 among economists around the world

Rank of #7 in the world for 1993 Ph.Ds in Economics  
Rank of #3 in the world among 300 REPEC ranked resource economists  
Rank of #8 in the world among 3000 REPEC ranked environmental economists  
Rank of #30 in the world among 3900 REPEC ranked urban economists  
Rank of #30 in the world among 2700 REPEC ranked energy economists  
Rank #50 in the world among 1200 REPEC ranked economic geography economists

## Books

1. [Green Cities: Urban Growth and the Environment](#) published September 1st 2006 by the Brookings Institution Press, ISBN 978-0-8157-4816-8 , 2007 Planetizen Top Ten book of the year. Translated into Chinese by Tsinghua University CIDEG in 2008. translated into Farsi in 2011.
2. [Heroes and Cowards: The Social Face of War](#) (joint with Dora L. Costa) Princeton University Press, NBER Development of the American Economy Book Series, published January 2009. ISBN 978-0-691-13704-9, One of CHOICE Magazine's Outstanding Academic Titles, 2009
3. [Climatopolis: How Our Cities Will Thrive in Our Hotter Future](#), 288 pages, Basic Books published in September 2010. ISBN 978-0465019267 , translated into Arabic (under the name Matthew Khan). Paperback released in 2013.
4. [Fundamentals of Environmental and Urban Economics](#): first published as an e-book by Amazon's Kindle Books in July 2013, updated January 2020. ASIN: B00E1U992U
5. [Blue Skies Over Beijing: Economic Growth and the Environment in China](#) joint with Siqu Zheng. Princeton University Press May 2016 (published in English and in Chinese). ISBN 9780691169361 Honorable Mention for the [2017 PROSE Award in Environmental Science](#), Association of American Publishers, [another mention](#), translated [into Turkish](#)
6. An [Introduction to Empirical Microeconomics](#), Amazon Kindle Books in January 2017. Revised in March 2018. ASIN: B01N2YQ4S6
7. Price Theory [Problems](#), Amazon Kindle Books, last draft May 2020. **ASIN:** B07DFPQX9D
8. Adapting to Climate Change. May 2020. forthcoming, Yale University Press in Spring 2021.
9. The New Urban Economics of Declining Cities. (joint with Mac McComas) May 2020. The Manuscript is complete and is under review by Johns Hopkins University Press.
10. The Economics of Urban Telecommuting, manuscript under preparation

## Academic Pieces

1. [Growing car ownership in LDCs: The impact on the environment and trade](#). *Columbia Journal*

of *World Business*, Fall 1994. 10-19.

2. [A Revealed Preference Approach for Ranking City Quality of Life](#). *Journal of Urban Economics*, September 1995. 38. 221-235.
3. [New Evidence on Trends in Vehicle Emissions](#). *Rand Journal of Economics*, Spring 1996 Vol. 27. No. 1, 183-196.
4. [Evidence on the Benefits of Vehicle Emissions Testing](#). *Economics Letters* June 1996. 51 363-369.
5. [The Efficiency and Equity of Vehicle Emissions Regulation: Evidence from California's Random Audits](#). *Eastern Economic Journal*. Fall 1996. 457-466.
6. [Particulate Pollution Trends in the United States](#). *Regional Science and Urban Economics*. February 1997 27 87-107.
7. [Measuring Environmental Demand: Evidence From California Voting Initiatives](#). (joint with John Matsusaka) *Journal of Law and Economics*. April 1997. 40(1), pages 137-73
8. [New Estimates of Climate Demand; Evidence from Migration](#). (Joint with Michael Cragg) *Journal of Urban Economics*. September 1997 42, 261-284. (Reprinted in Edgar Elgar Volume)
9. [A Household Level Environmental Kuznets Curve](#). *Economics Letters*. 59 269-273 1998.
10. [Education's Role in Explaining Diabetic Health Investment Differentials](#). *Economics of Education Review*, Fall 1998. 17(3), pages 257-266
11. [Health and Labor Market Performance: The Case of Diabetes](#). *Journal of Labor Economics*, 1998 16(4) 878-899.
12. [Quality of Life and the Environment](#). (joint with Joe Gyourko and Joe Tracy). [Handbook of Regional and Urban Economics](#), edited by Paul Cheshire and Edwin Mills. Volume 3. North Holland Press. 1999.
13. [The Silver Lining of Rust Belt Manufacturing Decline](#). *Journal of Urban Economics*, 46, 360-376 1999
14. [Climate Consumption and Climate Pricing from 1940-1990](#). *Regional Science and Urban Economics* (joint with Michael Cragg) 29 1999 519-539.
15. [Diabetic Risk Taking: The Role of Information, Education and Medication](#). *Journal of Risk and Uncertainty*, 18:2 147-164 1999
16. [Measuring Neighborhood Investments: An Examination of Community Choice](#). *Real Estate*

*Economics*. (joint with Denise DiPasquale) 1999. 27(3) 369-424.

17. [From John Lindsay to Rudy Giuliani: The Decline of the Local Safety Net?](#) (joint with Ed Glaeser) Federal Reserve Bank of New York, Economic Policy Review conference titled Unequal Incomes, Unequal Outcomes? Economic Inequality and Measures of Well-Being. September 1999 5(3) pages 117-132.

18. The Costs and Consequences of Santiago's Air Pollution. Harvard Institute of International Development, edited by Edward Glaeser and John Meyer. (Joint with Suzi Kerr) 2002.

19. [The Effects of New Public Projects to Expand Urban Rail Transit](#). (Joint with Nathaniel Baum-Snow) *Journal of Public Economics*, 77(2) 251-263, 2000.

20. [Smog Reduction's Impact on California County Growth](#). *Journal of Regional Science*, August 2000. 40(3), pages 565-582

21. [Power Couples, The Locational Choice of the College Educated 1940-1990](#) (joint with Dora Costa), *Quarterly Journal of Economics*, 115(4) November 2000, 1287-1315. Reprinted in Edgar Elgar Volume

22. [The Environmental Impact of Suburbanization](#). *Journal of Policy Analysis and Management*, Fall 2000. 19(4), 569-586.

23. [Informal Economies, Information and the Environment](#), joint with Alex Pfaff, *Journal of International Affairs*, Spring 2000 53(2) 525-544.

24. [City Quality of Life Dynamics: Measuring The Costs of Growth](#). *Journal of Real Estate and Finance*. (22:2/3) 2001 339-352.

25. [Decentralized Employment and the Transformation of the American City](#), joint with Ed Glaeser, *Brookings/Wharton Papers on Urban Affairs* Volume 2. 2001.

26. [The Beneficiaries of Clean Air Act Legislation](#). *Regulation*. 24(1) 34-39. 2001.

27. [Does Sprawl Reduced the Black/White Housing Consumption Gap?](#) *Housing Policy Debate*, Volume 12(1) 2001.

28. [Demographic Change and the Demand for Environmental Regulation](#). *Journal of Policy Analysis and Management*, Winter 2002. 21(1) 45-62. Reprinted in Edgar Elgar Volume

29. [Measuring the Consequences of Promoting Inner City Homeownership](#). *Journal of Housing Economics* (joint with Jean Cummings and Denise DiPasquale) 11(4) 2002 330-359.

30. [Understanding the Decline in American Social Capital 1952-1998](#) (joint with Dora Costa), *Kyklos*, 56(1) 2003 17-46.

31. [Civic Engagement in Heterogeneous Communities](#) (joint with Dora Costa), *Perspectives on Politics* 2003, 1(1) 103-112.
32. [New Evidence on Eastern Europe's Pollution Progress](#), in *Topics in Economic Policy*. Berkeley Electronic Press Journal 3(1) 2003
33. [Cowards and Heroes: Group Loyalty in the American Civil War](#) (Joint with Dora Costa) *Quarterly Journal of Economics*, May 2003 117(2) 519-548.
34. [The Rising Price of Non-Market Goods](#) (joint with Dora Costa), May 2003 *American Economic Review Papers and Proceedings* 227-232. (not refereed)
35. [The Geography of U.S Pollution Intensive Trade: Evidence from 1958-1994](#). *Regional Science and Urban Economics*, 2003 33(4) 483-500.
36. [Two Measures of Progress in Adapting to Climate Change](#), *Global Environmental Change*, 2003 13 307-312.
37. [Domestic Pollution Havens: Evidence From Cancer Deaths in Border Counties](#). *Journal of Urban Economics*. 2004 56(1) 51-69.
38. [Changes in the Value of Life 1940-1980](#) (joint with Dora Costa), *Journal of Risk and Uncertainty* 2004 29(2) 159-180.
39. [Sprawl and Urban Growth](#) (Chapter in the *Handbook of Urban Economics* Volume IV) joint with Edward Glaeser, edited by Vernon Henderson and J. Thisse. Volume 4. North Holland Press. 2004.
40. [Testing for Pollution Havens Inside and Outside of Regional Trading Blocs](#), (joint with Yutaka Yoshino), in *Advances in Economic Policy*. Berkeley Electronic Press Journal (<http://www.bepress.com/>) 4(2) 2004, published in *The Economics of Pollution Havens* edited by Don Fullerton, Edward Elgar Press 2006.
41. [Environmental Regional Public Goods in Asia and Latin America](#). Published in *Regional Public Goods from Theory to Practice*. edited by Antoni Estevadeordal, Brian Frantz and Tam Robert Nguyen. IADB and ADB. 2004 pages 203-226, Chapter 10.
42. [Estimating Housing Demand with an Application to Explaining Racial Segregation in Cities](#) (joint with Pat Bajari), *Journal of Business and Economic Statistics* January 2005 23(1) 20-33.
43. [The Death Toll From Natural Disasters: The Role of Income, Geography and Institutions](#). *Review of Economics and Statistics*, May 2005. 87(2) 271-284.



44. [The Effects of Urban Rail Transit Expansion: Evidence from Sixteen Cities from 1970 to 2000](#) (joint with Nate Baum-Snow), *Brookings-Wharton Conference on Urban Affairs 2005* Volume, edited by Gary Burtless and Janet Rothenberg Pack.
45. [Air Pollution in Cities](#), chapter for Blackwell Press A [Companion to Urban Economics](#), edited by Richard Arnott and Daniel McMillen. 2008.
46. [Public Health and Mortality: What Can We Learn from the Past?](#) (joint with Dora Costa) , in [Poverty, the Distribution of Income, and Public Policy](#) edited by Alan Auerbach, David Card and John Quigley, Russell Sage volume in honor of Eugene Smolensky, 2006.
47. [Environmental Valuation Using Cross-City Hedonic Methods](#). Chapter Two of [Environmental Valuation: Interregional and Intraregional Perspectives](#). 2006 Ashgate Press book edited by John Carruthers and Bill Mundy.
48. [Forging a New Identity: The Costs and Benefits of Diversity in Civil War](#) Combat Units for Black Slaves and Freemen (joint with Dora Costa), *Journal of Economic History* , December 2006 66(04), pages 936-962
49. [Desertion, Social Norms and Migration](#)(joint with Dora Costa) *Journal of Law and Economics*, May 2007 50, pages 323-353
50. [Gentrification Trends in New Transit Oriented Communities: Evidence from Fourteen Cities](#) that Expanded and Built Rail Transit Systems, *Real Estate Economics* 35 (2) (2007) 155-182.
51. [The Quality of Life and Productivity in Sprawled versus Compact Cities](#) , OECD Roundtable. Proceedings, 2008
52. [Environmental Disasters as Risk Regulation Catalysts: The Role of Bhopal, Chernobyl, Exxon-Valdez, Love Canal, and 3 Mile Island in Shaping Environmental Law](#) , *Journal of Risk and Uncertainty*, August 2007 35(1). 17-43.
53. [Surviving Andersonville: The Benefits of Social Networks in POW Camps](#) (joint with Dora Costa), *American Economic Review*, September 2007. 97(4), pages 1467-1487
54. [Do Greens Drive Hummers? Environmental Ideology as a Determinant of Consumer Choice](#), *Journal of Environmental Economics and Management*, September 2007. 54(2), pages 129-145
55. "[compensating differentials](#)." The New Palgrave Dictionary of Economics. Second Edition. Eds. Steven N. Durlauf and Lawrence E. Blume. Palgrave Macmillan, 2008. The New Palgrave Dictionary of Economics Online. Palgrave Macmillan.
56. "[urban environment and quality of life](#)." The New Palgrave Dictionary of Economics. Second Edition. Eds. Steven N. Durlauf and Lawrence E. Blume. Palgrave Macmillan, 2008. The New

Palgrave Dictionary of Economics Online. Palgrave Macmillan.

57. [Why Do the Poor Live in Cities? The Role of Public Transportation](#)(joint with Ed Glaeser and Jordan Rappaport) *Journal of Urban Economics* 2008, 63(1) 1-24.

58. [Land and Residential Property Markets in a Booming Economy: New Evidence from Beijing](#)(joint with Siqi Zheng) *Journal of Urban Economics*, 63(2), 2008, Pages 743-757

59. [Air Pollution Progress Despite Sprawl: The "Greening" of the Vehicle Fleet](#)(Joint with Joel Schwartz) *Journal of Urban Economics*, 2008 63(3) 775-787.

60. [Estimating Hedonic Models of Consumer Demand with an Application to Urban Sprawl](#) (joint with Pat Bajari) published in [Hedonic Methods in Housing Markets Pricing Environmental Amenities and Segregation](#) Baranzini, A.; Ramirez, J.; Schaerer, C.; Thalmann, P. (Eds.) 2008, XXII, 278 p. 26 illus., Hardcover ISBN: 978-0-387-76814-4

61. [Regional Growth and Exposure to Nearby Coal Fired Power Plant Emissions](#), *Regional Science and Urban Economics*, 2009 39(1), pages 15-22

62. "[Green Market Geography](#):The Spatial Clustering of Hybrid Vehicles and LEED Registered Buildings," *The B.E. Journal of Economic Analysis & Policy*: Vol. 9 : Iss. 2 (Contributions), Article 2. Available at: <http://www.bepress.com/bejeap/vol9/iss2/art2> , 2009 joint with Ryan Vaughn

63. [New Evidence on Trends in the Cost of Urban Agglomeration](#), for NBER Conference Volume on the [Economics of Agglomeration](#). Edited by Edward Glaeser, 2010 339-354

64. [Understanding Spatial Variation in Tax Sheltering](#): The Role of Demographics, Ideology and Taxes (joint with Bill Gentry) *International Regional Science Review* 2009, 32(3) 400-423.

65. [Urban Growth and Climate Change](#), *Annual Review of Resource Economics*, 2009, 16(1): 1-17.

66. [Walking the Walk: The Association Between Environmentalism and Green Transit Behavior](#) (joint with Eric Morris), *Journal of the American Planning Association*, 2009 , 75(4) 389-405. lead article.

67. [Towards a System of Open Cities in China: Home Prices, FDI Flows and Air Quality in 35 Major Cities](#) (joint with Siqi Zheng and Hongyu Liu), *Regional Science and Urban Economics*, 40, 2010 1-10.

68. [Costa and Kahn Response](#) in the *Review of History*,

69. [The Greenness of Cities: Carbon Dioxide Emissions and Urban Development](#) (joint with Ed Glaeser), *Journal of Urban Economics*, January 2010

70. [Health, Stress and Social Networks: Evidence from Civil War Veterans](#) (joint with Dora L. Costa), *Demography*, [Volume 47, Number 1, February 2010](#), pp. 45-66.
71. [International Trade in Used Vehicles](#): The Environmental Consequences of NAFTA (joint with Lucas Davis), *American Economic Journal: Economic Policy*, November 2010, 2(4): 58–82.
72. [China's Green Cities: Household Carbon Emissions and Urban Development](#) (joint with Zheng, Wang, and Glaeser ), *Journal of Economic Geography*, 2010 10(6), 1-32.
73. [The housing market effects of discrete land use regulations: Evidence from the California coastal boundary zone](#), *Journal of Housing Economics*, Volume 19, Issue 4, December 2010, *Pages 269-279*, joint with Ryan Vaughn, Jonathan Zasloff
74. Harrigan RJ, Thomassen HA, Buermann W, Cummings RF, Kahn ME, et al. 2010 [Economic Conditions Predict Prevalence of West Nile Virus](#). *PLoS ONE* 5(11): e15437. doi:10.1371/journal.pone.0015437
75. [Do Liberal Cities Discourage New Housing Development?](#), *Journal of Urban Economics* , March 2011
76. [Fix It First, Improve it Second, Reward it Third](#) – A New Strategy for America’s Highways , Brookings Institution's Hamilton Project White Paper (joint with David Levinson)
77. [Consumption and Durable Housing: Understanding Cohort Effects](#), (joint with Costa) , May 2011 *AER Papers & Proceedings* (not refereed)
78. [Urban Policy Effects on Carbon Mitigation](#), NBER Volume titled [The Design and Implementation of U.S Climate Policy](#) edited by Don Fullerton and Catherine Wolfram, 2012 , pages 259-267
79. [Comment on "Climate Policy and Labor Markets"](#), NBER Volume titled [The Design and Implementation of U.S Climate Policy](#) edited by Don Fullerton and Catherine Wolfram, 2012, pages 49-51.
80. [Carbon Geography: The Political Economy of Congressional Support for Legislation Intended to Mitigate Greenhouse Gas Production](#) (joint with Cragg, Zhou, and Gurney), *Economic Inquiry* Volume 51, Issue 2, April 2013, Pages: 1640–1650,
81. [Cities, Economic Development and the Role of Place Based Policies: Prospects for Appalachia](#), 2012 Brookings Institution Press Book edited by James Ziliak.
82. [Concern About Climate Change and the Business Cycle: The Chilling Effects of Recessions](#) (joint with Matthew Kotchen), *Climate Change Economics* , 2011

83. [Understanding the Solar Home Price Premium: Electricity Generation and “Green” Social Status](#), Samuel Dastrup, Joshua Graff Zivin, Dora L. Costa, *European Economic Review*. July 2012
84. [The Nascent Market for “Green” Real Estate in China](#) (joint with Deng, Zheng and Wu), *European Economic Review*, July 2012
85. [Does Government Investment in Local Public Goods Spur Gentrification and New Residential Real Estate Investment? Evidence from Beijing](#) (joint with Siqu Zheng), *Real Estate Economics* , 41(1) 2013, lead article 1-28.
86. [Moving to Higher Ground: Migration Response to Natural Disasters in the Early Twentieth Century](#) (joint with Boustan and Rhode), *American Economic Review, Papers & Proceedings*, May 2012. republished in an Edgar Elgar volume (not refereed)
87. [Understanding Cross-National Trends in High Tech Renewable Power Generation Equipment Exports to the United States](#) (joint with Aparna Sawhney) , *Energy Policy*, 2012, 46, 308-318.
88. [Real Estate Valuation and Cross-Boundary Air Pollution Externalities: Evidence from Chinese Cities](#) (joint with Cao, Zheng and Sun), *Journal of Real Estate Finance and Economics*, April 2013
89. [Energy Conservation “Nudges” and Environmentalist Ideology: Evidence from a Randomized Residential Electricity Field Experiment](#) , (joint with Costa) , *Journal of the European Economic Association*, Volume 11, Issue 3, June 2013
90. 2012 Key Indicators Theme Chapter titled [Green Urbanization in Asia](#) , Asian Development Bank (co-author joint with Guanghua Wan). and a chapter in [Urbanization in Asia](#). published by Springer Press.
91. The Greenness of China’s Cities: Air Pollution and Household Greenhouse Gas Emissions, a chapter in the edited Volume: [China's Environmental Policy and Urban Development](#) Edited by Joyce Yanyun Man, 2013 Lincoln Institute Press.
92. [Do Liberal Home Owners Consume Less Electricity?](#) A Test of the Voluntary Restraint Hypothesis (joint with Dora Costa), *Economics Letters* May 2013 119(2) 210-212.
93. [Understanding China's Urban Pollution Dynamics](#), joint with Siqu Zheng, *Journal of Economic Literature*, September 2013. 51(3): 731-72.
94. [China’s Bullet Trains Mitigate the Cost of Mega City Growth](#) (joint with Zheng) ,

Proceedings of the National Academy of Sciences, PNAS Plus , March 2013 110(14) E1248-E1253.

95. [Do Local Energy Prices and Regulation Affect the Geographic Concentration of Employment?](#) (joint with Erin Mansur), *Journal of Public Economics* [Volume 101](#), May 2013, Pages 105–114
96. [Local Non-Market Quality of Life Dynamics in New Wind Farms Communities](#), *Energy Policy* [Volume 59](#), August 2013, Pages 800–807
97. [The Capitalization of Green Labels in the California Residential Housing Market](#) (joint with Kok) *Regional Science and Urban Economics*, v47 July 2014 pages 24-34.
98. [The Geopolitics of Climate Change: An Economist’s Perspective](#), *Political Geography*, November 2013
99. [Incentives for China’s Urban Mayors to Mitigate Pollution Externalities: The Role of the Central Government and Public Environmentalism](#), (joint with Zheng, Luo, Sun ), *Regional Science and Urban Economics*, July 2014 , 61-71.
100. Climate Change Adaptation, published in the [Encyclopedia of Environmental and Resource Economics](#) edited by Tim Haab and John Whitehead. Greenwood/Praeger Press.
101. [Comment on “Incentives and Outcomes: China’s Environmental Policy”](#) (by Wu et. al.), [Capitalism and Society](#).
102. [The Evolving Geography of China’s Industrial Production: Implications for Pollution Dynamics and Urban Quality of Life](#) (joint Sun, Qi and Zheng), *Journal of Economic Surveys*, September 2014. 28(4) 709-724.
103. Urban adaptation to low-probability shocks: contrasting terrorism and natural disaster risk, book chapter in a [Edgar Elgar book](#) *Benefit-Cost Analyses for Security Policies*; edited by Kerry Smith and Carol Mansfield. An early draft is [available here](#).
104. [Opportunities for Businesses Caused by the Challenge of Climate Change](#), 10/29/2013 , *The European Financial Review*
105. [Carbon Emissions from the Commercial Building Sector: The Role of Climate, Quality, and Incentives](#) (joint with Kok and Quigley), *Journal of Public Economics* , May 2014, pages 1-12, lead article.
106. [Sustainable and Smart Cities](#). Published in an [Oxford University Press](#) book titled *The*

Urban Imperative: Towards Competitive Cities. Also released as World Bank Working Paper [Sustainable and smart cities](#), " [Policy Research Working Paper Series](#) 6878, The World Bank.

107. [Cities and the Environment](#), (joint with Randy Walsh) [Handbook of Regional and Urban Economics](#), Volume 5A edited by Gilles Duranton, Vernon Henderson and William Strange, 2015. Pages 405-458. North-Holland

108. [Water Pollution Progress at Borders: The Role of Changes in China's Political Promotion Incentives](#). (joint with Li and Zhao) , American Economic Journal: Economic Policy, November 2015 7(4): 223-42.

109. [Congressional Influence as a Determinant of Subprime Lending](#) (joint with Gabriel and Vaughn), Journal of Housing Economics, Volume 28, June 2015, Pages 91–102

110. [Public Transit Bus Procurement: The Role of Energy Prices, Regulation and Federal Subsidies](#) (joint with Shanjun Li and Jerry Nickelsburg), Journal of Urban Economics, May 2015

111. [Household Demand for Low Carbon Public Policies: Evidence from California](#) (joint with Holian), Journal of the Association of Environmental and Resource Economists , June 2015

112. [Declining Mortality Inequality within Cities During the Health Transition](#) (joint with Dora Costa), May 2015, American Economic Review Papers and Proceedings. (not refereed)

113. [Climate Change Adaptation: Lessons from Urban Economics](#) , Strategic Behavior and the Environment , June 2015

114. "[A Review of The Age of Sustainable Development by Jeffrey Sachs](#)." Journal of Economic Literature, 2015 53(3): 654-66.

115. [Household Carbon Emissions from Transportation and Center City Quality of Life](#) (joint with Matthew Holian) , Ecological Economics [Volume 116](#), August 2015, Pages 362–368

116. [Climate Change Adaptation Will Offer a Sharp Test of the Claims of Behavioral Economics](#); Economist's Voice , June 2015

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118. [Investor Confidence as a Determinant of China's Urban Housing Market Dynamics](#) (joint with Zheng and Sun) , Real Estate Economics October 2015
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124. [Protecting Urban Places and Populations from Rising Climate Risk](#) (Hamilton Project at Brookings) March 27th 2017
125. [The Private and Social Consequences of Purchasing an Electric Vehicle and Solar Panels: Evidence from California](#) (joint with Delmas and Locke) Research in Economics 2017
126. [Optimal Real Estate Capital Durability and Localized Climate Change Disaster Risk](#) (joint with Bunten) , Journal of Housing Economics
127. [Will Climate Change Cause Enormous Social Costs for Poor Asian Cities?](#) Asian Development Review, September 2017
128. [The Birth of Edge Cities in China: Measuring the Effects of Industrial Parks](#) (joint with Sun and Wu and Zheng) journal of urban economics, July 2017
129. [Local Government Service Provision: The Role of Privatization and Public Sector Unions](#) (joint with Li and Jerch) Journal of Public Economics 2017
130. [Persistent Social Networks: Civil War Veterans who Fought Together Co-Locate in Later Life](#) (joint with Costa, Roudiez, and Wilson) Regional Science and Urban Economics , 2017

131. [The Impact of Climate Change Skeptics on Adaptation in a Market Economy](#) (joint with Zhou) in *Research in Economics* 2018
132. [The Consequences of Differential Water Pollution Regulation in China](#) (joint with Zhao Chen, Yu Liu, and Zhi Wang), *Journal of Environmental Economics and Management*. 2018
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134. [Estimating the Value of New Rail Transit Access: A Machine Learning Tree Approach](#) (joint with Chin and Moon) *Real Estate Economics*, 2018
135. [The Critical Role of Markets in Adapting to Climate Change](#) (multiple coauthors), *Climate Change Economics* 2018.
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138. [Impact of Voluntary Green Certification on Building Energy Performance](#) (joint with Yueming Qiu). *Energy Economics* February 2019.
139. [Assessing the Impact of China's Timber Industry on Congo Basin Land Use Change](#) (multiple co-authors). 2018 Royal Geographic Society.
140. [Does Clean Air Increase the Demand for the Consumer City? Evidence from Beijing](#) Matthew E. Kahn, Cong Sun, Jianghao Wang, Siqi Zheng , *Journal of Regional Science*
141. [Quantifying the Rebound Effects of Residential Solar Panel Adoption](#) (joint with Lucy Qiu and Xing) *Journal of Environmental Economics and Management*,
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143. [Prolonging Coal's Sunset: The Causes and Consequences of Local Protectionism for a Declining Polluting Industry](#) (joint with Jonathan Eyer) *Regional Science and Urban Economics*
144. Xiaofang Dong & Siqi Zheng & Matthew E. Kahn, 2019. "[The Role of Transportation Speed in Facilitating High Skilled Teamwork](#)," *Journal of Urban Economics*
145. [Air Pollution Lowers High Skill Public Sector Worker Productivity in China](#) (joint with



Pei Li) Environmental Research Letters

146. [The Effect of Natural Disasters on Economic Activity in US Counties: A Century of Data \(joint with Rhode and Boustan and Yanguas\)](#), Journal of Urban Economics

## Popular Writing

[Giving Hybrids Traction](#), *Boston Globe*, Focus Section page 3 February 25, 2001.

[Environmental and Urban Economics Blog](#) started on 8/7/2005 available at [greeneconomics.blogspot.com](http://greeneconomics.blogspot.com), named by the Wall Street Journal as one of the top 25 Economics blogs in July 2009, <http://online.wsj.com/article/SB124768581740247061.html> ,

Econoblog debate on [Are London-Style Traffic Charges The Answer for U.S. Congestion?](#) published in the Online Wall Street Journal on January 18<sup>th</sup> 2007 (joint with Peter Gordon)

[Green Growth: The Economics of Green Cities](#) published by London's Policy Exchange as an essay in the book *Living for the City*

[Living Green: Ranking the best countries](#), *Readers Digest* October 2007, (joint with Fran Lostys)

Econoblog debate on [Limits to Growth](#) published in the Online Wall Street Journal on March 22<sup>nd</sup> 2008 (joint with Jim Brander)

One of Six External Reviewers, [Peer Review of the Economic Supplement](#) to the California [AB 32](#) Draft Scoping Plan

[Think Again: The Green Economy](#), *Foreign Policy* , May/June 2009

[My multiple Vox EU](#) Columns:

[A Review of the Cost of AB32 on California Small Business](#)

[A Flawed Cost-Benefit Analysis](#), Editorial in the March 24<sup>th</sup> 2010 Los Angeles Times (joint with James Sweeney)

[Editorial published](#) in the Seattle Times on August 27<sup>th</sup> 2010 , on the Future of Seattle and Climate Change

[Only People Can Make the Smart Grid Smart](#), Harvard Business Review Blog 2010

[How We Gain from China's Advances](#), New York Times Blog, Room for Debate January 2011

[Rebound Effects Redux](#), National Geographic Blog 2010

[Reversing Urban Blight](#)

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[Cash for Clunkers?](#) The Environmental Impact of Mexico's Demand for Used Vehicles, (joint with Lucas W. Davis) Access,

[Celebrating \\$4 Gasoline, Harvard Business Review Blog](#),

[Letter to the Editor](#), Los Angeles Times, September 15th 2011.

[How Will We Adapt to Climate Change?](#)

[Harvard Business Review Webinar](#) on Climatopolis , 2012

[A Review of Zeronauts by John Elkington](#), Stanford Social Innovation Review.

[Clean Energy Law Drives Innovation](#) (joint with Bo Cutter), editorial for the Sacramento Bee published on August 16th 2012.

[Letter to the New York Times](#), September 2nd 2012

[The Problem with FEMA No One is Talking About](#), Harvard Business Review Blog, November 1st 2012

[High Speed Rail Versus Austerity](#), April 8th 2013, Harvard Business Review Blog

[Right Climate for Incentives](#). Los Angeles Business Journal, Editorial 2/24/2014

[London Guardian Piece on Cities](#) and Climate Adaptation, 9/27/2014

[Rising Sea Levels Won't Doom U.S Coastal Cities](#), Harvard Business Review Blog January 20th 2016.

[Adapting to California Drought: Lessons from the Big Data Revolution](#) , the San Francisco Chronicle March 25th 2016

[As Incomes Rise in China, so Does Concern About Pollution](#). The Conversation , October 25th 2016.

[For China, climate change is no hoax – it's a business and political opportunity](#), The Conversation, December 9th 2016

[Climatopolis Revisited](#) PERC Quarterly 2016

[Will blazing a low-carbon path pay off for California?](#) , February 14th 2017 The Conversation

[Requiring Companies to Disclose Climate Risks](#), Harvard Business Review, February 16th 2017.

[The More Climate Skeptics There Are, the Fewer Climate Entrepreneurs](#) - Matthew E. Kahn, Daxuan Zhao, Harvard Business Review March 16th 2017.

[Can America's Blue States Tackle Climate Change On Their Own?](#)  
Harvard Business Review, June 6th 2017. (joint with Jonathan Eyer)

[New data set explores 90 years of natural disasters](#), The Conversation, June 28th 2017 (co-authored).

[How the Insurance Industry Can Help Us Adapt to Climate Change](#), Harvard Business Review, August 28th 2017, joint with Brian Casey and Nolan Jones.

My [Bloomberg View Columns](#)

[George H.W Bush Understood that Markets and the Environment Weren't Enemies.](#) The Conversation, December 3rd 2018.

[Will Ride Sharing Leading to Urban Road Pricing?](#) Manhattan Institute. 2020

[Do Social Networks Increase or Decrease the COVID-19 Contagion Rate?](#) (joint with Dora Costa) 2020

### **Working Papers (many of these [papers are posted here](#))**

Does Pollution Hinder Urban Competitiveness? Joint with Nancy Lozano-Gracia, and Maria Edisa Soppelsa, revise and resubmit Journal of Economic Surveys

A Revealed Preference Test of Center City Quality of Life (joint with McComas).

Monoposony in Spatial Equilibrium (joint with Tracy)

Long-Term Macroeconomic Effects of Climate Change: A Cross-Country Analysis Matthew E. Kahn , Kamiar Mohaddes , Ryan N. C. Ng , M. Hashem Pesaran, Mehdi Raissi and Jui-Chung Yang

[Geographic Disparities in Quality of Life in 21st-Century America](#)

Housing Supply and Local Political Influence Joint with CJ Gabbe

Mortgage Finance in the Face of Rising Climate Risk (joint with Amine Ouazad)

Industrial Productivity in a Hotter World: The Aggregate Implications of Heterogeneous Firm

Investment in Air Conditioning (joint with Graff-Zivin and Zhao)

[Do Residential Electricity Consumers Respond to Marginal Prices? Evidence from an Information Provision Experiment \(joint with Wolak\)](#)

Voter Support for Public Investment in Pre-K Early Education: Evidence from California

Public School Quality Capitalization over the Business Cycle (joint with Gabriel, Hearey and Vaughn),

An Economic Analysis of U.S Airline Fuel Economy Dynamics from 1991 to 2015 (joint with Jerry Nickelsburg)

The Affordability Goal and Prices in the National Flood Insurance Program (joint with Kerry Smith)

The Role of Markets in Accelerating the Pace of Climate Change Adaptation (joint with Greg Characklis and Ben Foster). For a Hoover Institution Volume edited by Terry Anderson

Do Political Connections Contribute to Urban Economic Growth? Evidence from the Site Selection of 1,400 Industrial Parks in China (joint with Sun, Wu and Zheng)

The Urban Crime and Heat Gradient in Low and High Poverty Areas. joint with Kilian Heilmann , R&R Journal of Public Economics

Is California More Energy Efficient than the Rest of the Nation? Evidence from Commercial Real Estate (joint with Liu and Kok)

[Public Sector Pay Inequality in Baltimore, Boston and New York City](#) (joint with McComas and Ravi).

Ghost Cities” versus Boom Towns: When Do China’s HSR New Towns Thrive?  
,Lei Dong, Rui Du, Matthew E. Kahn, Carlo Ratti, and Siqi Zheng

## **New Work**

Africa and Climate and Cities (joint with Glaeser and McCormack)

Commercial Mortgages and Climate Risk (joint with Kok, Ouazad and Holtermans)

Lead and Neighborhoods (joint with Reyes and McComas)

## **Book Reviews Published in Journals**

Review of V. Kerry Smith's Estimating Economic Values for Nature. *Growth and Change* 1997

[Review of William T. Bogart The Economics of Cities and Suburbs](#), and John F. McDonald  
Fundamentals of Urban Economics. *Regional Science and Urban Economics*, January 1999

[Review of Marlon Boarnet and Randall Crane's Travel by Design: The Influence of Urban Form  
on Travel](#) for *Regional Science and Urban Economics*, March 2002

[Review of Robert Bruegmann's Sprawl: A Compact History](#), *Journal of Economic History*  
March 2006

[Review of Gary Libecap's Owens Valley Revisited](#): A Reassessment of the West's First Great  
Water Transfer, *Journal of Economic History*, 2008, 68:312-313.

[Review of Stephen Ansolabehere and David M. Konisky](#). 2015 Cheap and Clean: How  
Americans Think about Energy in the Age of Global Warming, *Science*

[Review of Shocks, States and Sustainability](#). *American Journal of Sociology*, May 2020.

## **Teaching**

Principles of Economics (Columbia University, USC)

Intermediate Microeconomics (Harvard University, Stanford and Tufts)

Urban Economics (Harvard University, Columbia University, USC, Johns Hopkins)

Environmental Economics (Tufts University, Columbia University, University of Chicago,  
UCLA, USC, Johns Hopkins)

Antitrust and Regulation (Stanford University)

Undergraduate Thesis Writing Seminar (Harvard and Stanford)

Statistics (Tufts)

Economic Development and the Environment (Tufts)

Energy in the Modern Economy (UCLA)

California Sustainability Challenges (UCLA)

Freshman Environmental Cluster Course (UCLA, USC)

Environmental Policy Seminar (UCLA)

Real Estate Finance and Investments (UCLA Anderson School MBA and FEMBA Elective)

Real Estate Investment and the Development of Sustainable Cities (UCLA Anderson School  
MBA Elective, NUS)

Sustainable Real Estate (MBA Course)

Freshman Seminar on Environmental Challenges in China (UCLA)

Freshman Seminar on the Economics of Adapting to Climate Change (UCLA)

Microeconomics (core MBA Class at Anderson for FEMBA students)

The Causes and Consequences of Climate Change: An Economist's Perspective (USC Thematic Option Program)  
Urban Economics (PHD class at USC)

### **Short Term Consulting**

Asian Development Bank

California Air Resources Board

Economic advisor for the 2013 AB 32 Scoping Plan Update

California Department of Toxics and Substance Control -- I wrote [the Economic Analysis](#) of the Proposed Safer Consumer Products Regulations (the first draft of this work was co-authored with J.R DeShazo)

Harvard Institute for International Development --- Chile Urbanization Project

World Bank

[The Economic Consequences of Banning Restaurant Styrofoam Use](#) (joint with Frederick Stabo).