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ACADEMIC APPOINTMENTS

Edmund A. Walsh School of Foreign Service, Georgetown University. Washington, DC.
Provost's Distinguished Associate Professor of Energy and Environment, August 2020-present.
Director, [Science, Technology and International Affairs Program](#), July 2019-present.
Affiliate Associate Professor, [McCourt School of Public Policy](#), 2014-present.
Associate Professor, 2014 – 2020.
Assistant Professor, 2008 – 2014.

China Energy Group, Lawrence Berkeley National Laboratory. Berkeley, CA.
Faculty Affiliate, January 2013-present.

EDUCATION

University of California Berkeley. Berkeley, California.
Ph.D. [Energy and Resources](#), December 2005.
M.A. [Energy and Resources](#), May 2001.

Duke University. Durham, North Carolina.
A.B. [Environmental Science and Policy](#), minor in French Literature, May 1997.

PUBLICATIONS

Books

- Lewis, Joanna I. 2013. *Green Innovation in China: China's Wind Power Industry and the Global Transition to a Low-Carbon Economy*. (New York: Columbia University Press).
- Winner of the 2014 [Harold & Margaret Sprout Award](#), [International Studies Association](#). Given by the Environmental Studies Section for the best book in the field that contributes to theory and interdisciplinarity, shows rigor and coherence in research and writing, and offers accessibility and practical relevance.
- Ashley Esarey, Mary Alice Haddad, Joanna I. Lewis and Stevan Harrell, editors. 2020. *Greening East Asia: The Rise of the Eco-Developmental State*. (Seattle: University of Washington Press).
- Lewis, Joanna I. *Cooperating for the Climate: Learning from International Partnerships in China's Clean Energy Sector*. (Under contract with MIT Press).

Journal Articles

Refereed

- Jackson, Margaret M., Joanna I. Lewis and Xiliang Zhang. 2021. "A Green Expansion: China's Role in the Global Deployment and Transfer of Solar Photovoltaic Technology." *Energy for Sustainable Development* 60: 90-101.
- Lewis, Joanna I. 2020. "Towards a New Era of US Engagement with China on Climate Change." *Georgetown Journal of International Affairs* 21.
- Zhang, Xiliang, Andreas Loschel, Joanna Lewis, Da Zhang and Jinyue Yan. 2020. "Emissions Trading Systems for Global Low Carbon Energy and Economic Transformation." *Applied Energy* 279: 115858.
- Hayashi, Daisuke, Joern Huenteler and Joanna I. Lewis. 2018. "Gone with the Wind: A Learning Curve Analysis of China's Wind Power Industry." *Energy Policy* 120: 38-51.
- Lewis, Joanna I., David G. Fridley, Lynn K. Price, Hongyou Lu, John Romankiewicz. 2015. "Understanding China's Non-Fossil Energy Targets." *Science* 350 (6264): 1034-1036.
- Lewis, Joanna I. 2014. "Industrial Policy, Politics and Competition in the Wind Power Industry." *Business and Politics* 16(4): 511-547.
- Lewis, Joanna I. 2014. "The Rise of Renewable Energy Protectionism: Emerging Trade Conflicts and Implications for Low Carbon Development." *Global Environmental Politics* 14(4): 10-35.
- Lewis, Joanna I. 2014. "Managing Intellectual Property Rights in Cross-Border Clean Energy Collaboration: The Case of the U.S.-China Clean Energy Research Center." *Energy Policy* 69: 546-554.
- Wang Zhongying, Qin Haiyan and Joanna I. Lewis. 2012. "China's Wind Power Industry: Policy Support, Technological Achievements, and Emerging Challenges." *Energy Policy* 51:80-88.
- Lewis, Joanna I. 2011. "Building a National Wind Turbine Industry: Experiences from China, India and South Korea." *International Journal of Technology and Globalisation* 5(3/4): 281-305.
- Lewis, Joanna I. 2010. "The State of U.S.-China Relations on Climate Change: Examining the Bilateral and Multilateral Relationship." *China Environment Series* 11: 7-39.
- Lewis, Joanna I. 2010. "The Evolving Role of Carbon Finance in Promoting Renewable Energy Development in China." *Energy Policy* 38(6): 2875-2885.
- Lewis, Joanna I. 2009. "Climate Change and Security: Examining China's Challenges in a Warming World." *International Affairs* 85(6): 1195-1213.
- Lewis, Joanna I. 2007. "Technology Acquisition and Innovation in the Developing World: Wind Turbine Development in China and India." *Studies in Comparative International Development* 42(3): 208-232.
- Lewis, Joanna I. and Ryan H. Wiser. 2007. "Fostering a Renewable Energy Technology Industry: An International Comparison of Wind Industry Policy Support Mechanisms." *Energy Policy* 35(3): 1844-1857.
- Lewis, Joanna I. 2006. "Leading the Renewable Energy Revolution." *Georgetown Journal of International Affairs* 7(2): 147-154.

Yeh, Emily T. and Joanna I. Lewis. 2004. “[State Power and the Logic of Reform in China’s Electricity Sector.](#)” *Pacific Affairs* 77(3): 437-465.

Ren Dongming and Joanna Lewis. 2004. “[Renewable Energy Legislation in China: Political and Institutional Strategy for Effective Implementation.](#)” *Chinese Journal of Population, Resources and Environment* 2(1): 13-17.

Non-Refereed

Lewis, Joanna. 2016. “[Wind energy in China: Getting more from wind farms.](#)” *Nature Energy* 1(6).

Lewis, Joanna. 2011. “Renewables strategy: industrial policy scrubs up.” *China Economic Quarterly* 15(1), March.

Lewis, Joanna I. 2007. “[China’s Strategic Priorities in International Climate Negotiations.](#)” *The Washington Quarterly* 31(1): 155-174.

Lewis, Joanna. 2007. “China’s Climate Change Strategy.” *China Brief*, Volume 7, Issue 13.

Logan, Jeffrey, Joanna Lewis and Michael B. Cummings. 2007. “[For China, the Shift to Climate-Friendly Energy Depends on International Collaboration.](#)” *Boston Review*, January/February.

Lewis, Joanna and Ryan Wisner. 2007. “Wind: A Local Industry.” *REFocus* 8(2): 36-41.

Fridley, David, Jonathan Sinton and Joanna Lewis. 2003. “[Working out the Kinks: Understanding the Fall and Rise of Energy Use in China.](#)” *Oxford Energy Forum*, April.

In Progress

Lewis, Joanna I. “Promoting Renewables with the Paris Agreement: Assessing Domestic Policy Support in Emerging Renewable Energy Markets.” (under review)

Lewis, Joanna I. and Greg Nemet. “Assessing Learning in Low Carbon Energy Technologies.” (under review)

Book Chapters in Edited Volumes

Lewis, Joanna I. “Green Industrial Policy After Paris.” Forthcoming in *The Oxford Handbook on Comparative Environmental Politics*, edited by Jeannie Sowers, Stacy VanDeever and Erika Weinthal. (New York: Oxford University Press).

Lewis, Joanna I. 2020. “Technology Transfer,” in *Essential Concepts of Global Environmental Governance* (2nd Edition), edited by Amandine Orsini and Jean-Frédéric Morin (London: Routledge/Earthscan) (August 31).

Lewis, Joanna I. 2020. “China’s Low Carbon Energy Strategy and Implications for International Climate Diplomacy.” Chapter 2 in *Greening East Asia: The Rise of the Eco-Developmental State*. Edited by Ashley Esarey, Mary Alice Haddad, Joanna I. Lewis and Stevan Harrell (Seattle: University of Washington Press).

Lewis, Joanna I. and Kelly Sims Gallagher. 2019. “How China’s Domestic Energy and Environmental Challenges Shape its Global Engagement,” in *The Global Environment: Institutions, Law and Policy* (Fifth

- [Edition](#)), edited by Regina Axelrod, Stacy VanDeveer (Washington: CQ Press).
- Lewis, Joanna I. 2017. “Green Energy Innovation in China.” In [Routledge Handbook of Environmental Policy in China](#), edited by Eva Sternfeld (London: Routledge).
- Lewis, Joanna I. 2016. “The Development of China's Wind Power Technology Sector: Characterizing National Policy Support, Technology Acquisition and Technological Learning” in [Is China Becoming an Innovation Nation? Perspectives on the evolving technological capabilities of the world's most dynamic economy](#), edited by Yu Zhou and Bill Lazonick (Oxford: Oxford University Press).
- Gallagher, Kelly Sims and Joanna I. Lewis. 2015. “China’s Quest for a Green Economy” in [Environmental Policy \(9th Edition\)](#), edited by Norman J. Vig and Michael E. Kraft, (Washington: CQ Press).
- Lewis, Joanna I. 2014. “Technology Transfer,” in [Essential Concepts of Global Environmental Governance](#), edited by Amandine Orsini and Jean-Frédéric Morin (London: Routledge/Earthscan).
- Lewis, Joanna I. 2014. “Assessing Climate Change Impacts and Adaptation Strategies in China,” in [Adaptation to Climate Change in Asia](#), edited by Sushil Vachani and Jawed Usmani. (Northampton, MA: Edward Elgar).
- Lewis, Joanna I. and Kelly Sims Gallagher. 2014. “Energy and Environment in China: National and Global Challenges” in [The Global Environment: Institutions, Law and Policy \(Fourth Edition\)](#), edited by Regina Axelrod, Stacy VanDeveer (Washington: CQ Press).
- Lewis, Joanna I. 2013. “China’s Environmental Diplomacy: Climate Change, Domestic Politics and International Engagement” in [China Across the Divide](#), edited by Rosemary Foot (Oxford: Oxford University Press).
- Gallagher, Kelly Sims and Joanna I. Lewis. 2013. “China’s Quest for a Green Economy” in [Environmental Policy \(8th Edition\)](#), edited by Norman J. Vig and Michael E. Kraft, (Washington: CQ Press).
- Lewis, Joanna I. 2012. “Climate Change Challenges and China’s Foreign Policy” in [China's Challenges to Human Security: Foreign Relations and Global Implications](#), edited by Guoguang Wu, (New York: Routledge).
- Lewis, Joanna I. 2012. “Climate Mitigation Initiatives in China,” in [Berkshire Encyclopedia of Sustainability Volume 7. China, India and Southeast Asia: Assessing Sustainability](#). (Great Barrington: Berkshire Press). (Also served as an associate editor for the volume.)
- Lewis, Joanna I. 2011. “China” in [Climate Change and National Security: A Country-Level Analysis](#), edited by Daniel Moran (Washington: Georgetown University Press).
- Lewis, Joanna and Jinghua Cao. 2010. “US-Chinese Cooperation” in [The Power of Renewables: Opportunities and Challenges for China and the United States](#), (Washington: The National Academies Press).
- Lewis, Joanna I. 2010. “Environmental Challenges: From the Local to the Global” in [China Today, China Tomorrow: Domestic Politics, Economy, and Society](#), edited by Joseph Fewsmith (Lanham: Roman and Littlefield).
- Lewis, Joanna and Kelly Sims Gallagher. 2010. “Energy and Environment in China: Achievements

and Enduring Challenges” in *The Global Environment: Institutions, Law and Policy* (Third Edition), edited by Regina Axelrod, Stacy VanDeveer and David Leonard Downie (Washington: CQ Press).

- Lewis, Joanna I., Qimin Chai and Xiliang Zhang. 2009. “Low Carbon Electricity Development in China: Opportunities and Challenges,” in *Generating Electricity in a Carbon Constrained World*, edited by Fereidoon P. Sioshansi (San Diego: Elsevier Academic Press).
- Lewis, Joanna I., Michael B. Cummings and Jeffrey Logan. 2009. “Understanding the Climate Challenge in China,” in *Climate Change Science and Policy*, edited by Steven H. Schneider, Armin Rosencranz, Michael Mastrandrea and Kristin Kuntz-Duriseti. (Washington: Island Press).
- Lewis, Joanna. 2005. “Wind Electricity in the United States (*Meiguo Fengli Fadian*)” In *Wind Energy Development and Utilization (Feng Neng Kaifa Lijong)* edited by Zhang Xiliang (Beijing: China Chemical Industry Press) (in Chinese).

Technical and Policy Papers

- Lewis, Joanna I. “The Outlook for US Engagement on Climate Change in Asia.” Chapter 1 in *U.S. Policy in Asia—Perspectives for the Future*, edited by Rafiq Dossani and Scott W. Harold. The RAND Corporation: Santa Monica, 2018.
- Kuriakose, Smita, Joanna Lewis, Jeremy Tamanini and Shahid Yusuf. “[Accelerating Innovation in China’s Solar, Wind and Energy Storage Sectors.](#)” The World Bank Group: Washington, October 2017.
- Lewis, Joanna I. “The US-China Climate and Energy Relationship.” Chapter 10 in *Parallel Perspectives on the Global Economic Order, A US-China Essay Collection*. CSIS, Washington, 2017.
- Lewis, Joanna I. “China’s Role in the Development of Energy Storage Technologies.” Prepared for the World Bank, February 2017.
- Lewis, Joanna I. “Innovative Activity in China’s Wind and Solar Power Technology Sectors.” Prepared for the World Bank, December 2016.
- Lewis, Joanna I., Jessica Grannis, Vicki Arroyo, Mia Lu, Myrian Alexander-Kearns, Aaron Ray, Sarah Hoverter, Alison Szalwinski. [Case Studies in Building Community Resilience in the United States and China.](#) August 2015.
- Lewis, Joanna I. “[A Better Approach to Intellectual Property? Lessons from the US-China Clean Energy Research Center.](#)” *Paulson Papers on Energy and Environment*, Chicago: Paulson Institute, June 1, 2015.
- Agrawala, Shardul, Roberto Acosta Moreno, Leonardo Barreto-Gomez, Thomas Cottier, Alba Eritrea Gámez-Vázquez, Dabo Guan, Edgar E. Gutierrez-Espeleta, Leiwun Jiang, Yong Gun Kim, Stephan Klasen, Joanna Lewis, Mohammed Messouli, Michael Rauscher, Noim Uddin Anthony Venables. “Regional Development and Cooperation.” [Chapter 14 in the Intergovernmental Panel on Climate Change 5th Assessment Report.](#) 2014.
- Lewis, Joanna. “Supporting Clean Energy Innovation in the United States: A Review of the US Clean Energy Innovation System and Potential Implications for China.” Prepared for the Development Research Center of the State Council of the People’s Republic of China, July 2013.

- Lewis, Joanna. “[Intellectual Property, Innovation and Investment in Clean Energy: Exploring US-China Perspectives.](#)” Report on the second joint workshop on intellectual property in the US-China Clean Energy Research Center. Prepared for the U.S.-China Clean Energy Forum and the US Department of Energy, February 2013.
- Lewis, Joanna. “[Intellectual Property in the US-China Clean Energy Research Center: Findings from the First Joint Workshop in Haikou.](#)” Prepared for the U.S.-China Clean Energy Forum and the US Department of Energy, June 2012.
- Lewis, Joanna. “The Chinese Solar Photovoltaic Industry: Structure, Policy Support and Learning Achievements.” Prepared for the Regulatory Assistance Project’s India Program, June 8, 2011.
- Lewis, Joanna. “[Grid Connected Renewable Energy Generation Toolkit: Wind Power Technologies.](#)” Prepared for USAID, December 2009.
- Lewis, Joanna. “[Can Green Sunrise Industries Lead the Drive into Recovery? The Case of the Wind Power Industry in China and India.](#)” Prepared for the United Nations Industrial Development Organization (UNIDO), October 2009.
- Schell, Orville, Banning Garrett, Joanna Lewis, Jonathan Adams, Eileen Claussen, and Elliot Diringer. *[A Roadmap for US-China Cooperation on Energy and Climate.](#)* Asia Society/Pew Center on Global Climate Change, January 2009.
- Lewis, Joanna, Amber Sharick and Tian Tian. “[International Motivations for Solar Photovoltaic Market Support: Findings from the United States, Japan, Germany and Spain.](#)” Prepared for the Energy Foundation China Sustainable Energy Program, January 2009.
- Lewis, Joanna and Elliot Diringer. “[Policy-Based Commitments in a Post-2012 Climate Framework.](#)” Arlington: Pew Center on Global Climate Change, May 2007.
- Lewis, Joanna. “[A Comparison of Wind Power Industry Development Strategies in Spain, India and China. China.](#)” Prepared for the Energy Foundation China Sustainable Energy Program, July 2007.
- Heer, Katrin-Dorothee, Ole Langniss, Ryan Wisler, Joanna Lewis, Jan Hamrin. “[Promoting Renewable Energy Sources in Portugal: Possible Implications for China.](#)” ZSW Stuttgart, June 2007.
- Lewis, Joanna. “[A Review of the Potential International Trade Implications of Key Wind Power Industry Policies in China.](#)” Prepared for the Energy Foundation China Sustainable Energy Program, October 2006.
- Lewis, Joanna and Ryan Wisler. “[Supporting Localization of Wind Technology Manufacturing through Large Utility Tenders in Québec: Lessons for China.](#)” Prepared for the Energy Foundation China Sustainable Energy Program, June 2006.
- Fridley, David, Nathaniel Aden, Jonathan Sinton, Nan Zhou, Malini Ranganathan, Joanna Lewis, Jiang Lin. “China’s Energy Future to 2020.” Lawrence Berkeley National Laboratory Report No. 58664, 2006.
- Lewis, Joanna and Ryan Wisler. “[Fostering a Renewable Energy Technology Industry: An International Comparison of Wind Industry Policy Support Mechanisms.](#)” Lawrence Berkeley National Laboratory Report No. 59116, November 2005.

- Sinton, Jonathan, Rachel Stern, Nathaniel Aden, Mark Levine, Tyler Dillavou, David Fridley, Joe Huang, Joanna Lewis, Jiang Lin, Aimee McKane, Lynn Price, Ryan Wisser, Nan Zhou, Jean Ku. “[Evaluation of China’s Energy Strategy Options](#).” Lawrence Berkeley National Laboratory Report No. 56609, May 2005.
- Lewis, Joanna and Ryan Wisser. “[A Review of International Experience with Policies to Promote Wind Power Industry Development](#).” Prepared for the Energy Foundation China Sustainable Energy Program. March 2005.
- Sinton, Jonathan E., David G. Fridley, Joanna I. Lewis, Yanxia Chen, Jieming Lin, Nan Zhou. *China Energy Databook, sixth revised edition*. Berkeley: Lawrence Berkeley National Laboratory. June 2004.
- Sinton, Jonathan, Joanna Lewis, Mark Levine, and Zhu Yuezhong, Eds. “[China’s Sustainable Energy Future: Scenarios of Energy and Carbon Emissions](#).” Lawrence Berkeley National Laboratory Report No. 54067, October 2003.
- Sinton, Jonathan E., Joanna I. Lewis, Lynn K. Price, and Ernst Worrell. “China’s Sustainable Energy Future Scenarios and Carbon Emissions Analysis, Subreport 11: International Trends in Energy-Efficiency Technologies and Policies.” Lawrence Berkeley National Laboratory Report No. 51719, November 2002.
- Fridley, David, Jonathan Sinton, Bryan Lehman, Joanna Lewis, Lin Jieming, Zhou Fengqi, Li Ji. *China Energy Databook, fifth revised edition*. Berkeley: Lawrence Berkeley National Laboratory. May 2001.

Conference Papers

- Lewis, Joanna I. “A Reluctant Leader: China’s International Climate Diplomacy After Paris.” *International Studies Association Annual Convention*, Toronto, Canada, March 2019.
- Lewis, Joanna I. “Green Industrial Policy After Paris: Implementing Renewable Energy Goals.” *American Political Science Association*, San Francisco, CA, September 2017.
- Lewis, Joanna I. “Scaling up Technology Management Agreements to Facilitate Low Carbon Technology Transfer: Lessons from Sino-US Clean Energy Cooperation. *International Studies Association Annual Convention*, New Orleans, LA, February 2015.
- Lewis, Joanna I. “Renewable Resource Development in China’s Northern Borderland: The Policies and Politics of Wind Power in Inner Mongolia.” Prepared for the Borderland China workshop at UC Berkeley, May 20-21, 2014.
- Lewis, Joanna I. “Examining China’s Role in Global Clean Energy Technology Development.” Prepared for the conference on the Role of Science and Technology in China’s International relations. Arizona State University, April 2-4, 2014.
- Lewis, Joanna I. “Mapping the Global Diffusion of Wind Power Technology: Deployment, Innovation, and Intellectual Property.” Prepared for the *Atlanta Conference on Science and Innovation Policy*, Georgia Institute of Technology, fall 2013.
- Lewis, Joanna I. “Supporting Clean Energy Innovation in the United States and China.” Prepared for the *Association for Public Policy Analysis & Management (APPAM) Annual Fall Research Conference*, fall 2013.

- Lewis, Joanna I. "Industrial Policy, Politics and Competition in the Wind Power Industry." Prepared for the conference on *Industrial Policy in the Financial Crisis Era*, University of California Berkeley, APEC Study Center, May 3-4, 2013.
- Lewis, Joanna I. "The Global Diffusion of Learning in the Wind Power Industry." *ISA Annual Convention*, San Francisco, CA, April 3-6, 2013.
- Lewis, Joanna I. "Emerging Conflicts in Renewable Energy Policy and International Trade Law." *World Renewable Energy Forum 2012*, Denver, CO, May 13-17, 2012.
- Lewis, Joanna I. "The US-China Clean Energy Research Center: A New Model for Collaborative International Clean Energy Innovation?" *ISA Annual Convention*, San Diego, April 1-4 2012.
- Lewis, Joanna I. "The State of U.S.-China Relations on Climate Change: Examining the Bilateral and Multilateral Relationship." *ISA Annual Convention*, Montreal, Canada, March 19, 2011.
- Lewis, Joanna I. "A Comparison of the Wind Power Technology Development Strategies of Chinese and Indian Firms." *China Windpower 2009*, Beijing, October 21-23, 2009.
- Lewis, Joanna I. "The Evolving Role of Carbon Finance in Promoting Wind Power Development in China." *China Windpower 2008*, Beijing China, October 29-31, 2008.
- Lewis, Joanna. "A Comparison of Wind Power Industry Development Strategies in Spain, India and China." *Wind Power Shanghai 2007*, Shanghai, China, November 1-2, 2007.
- Lewis, Joanna I. "Wind Industry Development Incentives through Utility Tenders in Quebec: Lessons for China." *Proceedings of the Great Wall World Renewable Energy Forum and Exhibition*, Beijing, China, 23-27 October 2006.
- Joanna I. Lewis, "Part of the Climate Change Problem . . . and the Solution? Chinese-Made Wind Power Technology and Opportunities for Dissemination." *Proceedings of the 2005 Breslauer Symposium, "An Interdisciplinary Look at a Global Problem: Social and Scientific Aspects of Climate Change."* University of California, International and Area Studies, February 25, 2005.
- Lewis, Joanna. "Conceding Too Much? Conflicts between the Government and Project Developers in Promoting the China 'Wind Concession' Project Development Model." *Proceedings of the Eighth World Renewable Energy Congress*, Denver, Colorado, August 28 - September 3, 2004.
- Lewis, Joanna, David Fridley and Jonathan Sinton. "Sectoral and Geographic Analysis of the Decline in China's National Energy Consumption in the Late 1990s." *Proceedings of the ACEEE Summer Study on Energy Efficiency in Industry*, Rye Brook, New York, July 29-August 1, 2003.

Congressional Testimony

- Lewis, Joanna I. "[China's Capabilities and Ambitions in Clean Energy Technologies](#)." Testimony before the U.S.-China Economic and Security Review Commission, Hearing on "Technology, Trade, and Military-Civil Fusion: China's Pursuit of Artificial Intelligence, New Materials, and New Energy," June 7, 2019.
- Lewis, Joanna I. "[Clean Energy in Asia: Challenges and Opportunities for the United States](#)." Testimony before the Senate Committee on Foreign Relations, Subcommittee on East Asia, the Pacific, and International Cybersecurity Policy Hearing on ARIA in Action, Part 2: The Benefits of Economic

Diplomacy, May 23, 2019.

Lewis, Joanna I. “U.S.-China Clean Energy Cooperation.” Testimony before the U.S.-China Economic and Security Review Commission, Hearing on “U.S.-China Clean Energy Cooperation: Status, Challenges and Opportunities.” April 25, 2014.

Lewis, Joanna I. “China’s Approach to Global Climate Change.” Testimony before the U.S.-China Economic and Security Review Commission, Hearing on “China’s Energy Policies and Their Environmental Impacts.” August 13, 2008.

Book Reviews

Lewis, Joanna I. 2015. [Review of Chris P. Nielsen and Mun S. Ho \(eds.\); *Clearer Skies Over China: Reconciling Air Quality, Climate, and Economic Goals*](#), Cambridge, MA: The MIT Press, 2013; 433 pp. *for Pacific Affairs*.

Lewis, Joanna I. 2015. [Review of Stern, Rachel E. *Environmental Litigation in China: A Study in Political Ambivalence*](#) (New York, Cambridge University Press, 2013), *Journal of Chinese Political Science*, February 2015.

Lewis, Joanna I. April 2013. “A Comprehensive Look at Technology Transfer.” Review of Ockwell, David G. and Mallett, Alexandra (eds); *Low-Carbon Technology Transfer: From Rhetoric to Reality*, Routledge, Abingdon and New York, 2012, 374 pp. *for Climate Policy*.

Policy Briefs and Commentaries

Lewis, Joanna. 2020. “[China announced new climate goals. But it can’t quit coal just yet.](#)” Washington Post, September 29.

Lewis, Joanna. 2020. “[A renewed agenda for green technology and development.](#)” Quincy Institute for Responsible Statecraft. September 18.

Lewis, Joanna. “[Harnessing the Wind in China.](#)” National Bureau of Asian Research, August 1, 2017.

Lewis, Joanna and Li Shuo. “[As the US steps back, China must step up on climate leadership.](#)” *China Dialogue* and *China File* (published in English and Chinese). June 4, 2017.

Lewis, Joanna. “[Continuing cooperation with China on clean energy and climate change in US interest.](#)” *ChinaFacts.org*, November 18, 2016.

Lewis, Joanna. “[Is China a Leader or Laggard on Climate Change?](#)” *China File*, December 10, 2015.

Lewis, Joanna. “[What Would New Breakthroughs on Climate Change Mean for the U.S.-China Relationship?](#)” National Bureau of Asian Research, Americans Speak to U.S.-China Policy series. September 24, 2015.

Lewis, Joanna. “[What Would New Breakthroughs on Climate Change Mean for the U.S.-China Relationship?](#)” *China File*, September 16, 2015.

Lewis, Joanna. “[Are China’s Limits on Greenhouse Gas Emissions Meaningful?](#)” *China File*, July 9, 2015.

- Lewis, Joanna. “[U.S.-China Climate Cooperation More Crucial Than Ever.](#)” *China Dialogue* and *China File* (published in Chinese and English), July 10, 2014.
- Lewis, Joanna (interview by Leah Thompson). “[A Progress Report on U.S.-China Energy & Climate Change Cooperation.](#)” *ChinaFile.com*, February 14, 2013.
- Lewis, Joanna. “[Building Our Clean Energy Industries: Learning from China’s Experience in Wind Power.](#)” *Chinafaqs.org*, World Resources Institute, February 4, 2013.
- Lewis, Joanna. “[U.S., China Need a Green Peace, Not a Trade War.](#)” *Salon.com*, February 14, 2012.
- Lewis, Joanna. “[China’s Competitive Advantage in the Solar Industry: How Advantageous is it Really?](#)” *Chinafaqs.org*, World Resources Institute, October 3, 2011.
- Lewis, Joanna. “[Energy and Climate Goals of China's 12th Five-Year Plan.](#)” Pew Center on Global Climate Change, March 2011.
- Lewis, Joanna and Deborah Seligsohn. “[Two International Conferences in China Highlight the Importance of Wind Energy.](#)” *Chinafaqs.org*, World Resources Institute, November 4, 2010.
- Lewis, Joanna. “[Decoding China’s Climate and Energy Policy Post-Copenhagen.](#)” *Policy Brief*, The German Marshall Fund of the United States, June 2010.
- Lewis, Joanna. “[Energy leapfrogging in China and India.](#)” *China Dialogue* (published in Chinese and English), March 10, 2008.
- Lewis, Joanna. “[Learning How to Ride the Wind: The Disappointments and Potential of Wind Power in China.](#)” *China Environment Series 6*, Woodrow Wilson Center for Scholars, Washington, DC. Spring 2003.
- Lewis, Joanna. “Hurricane Mitch: An Indication of Severe Weather to Come with Our Changing Climate?” *Beyond Just U.S.* National Wildlife Federation, Washington, D.C., Spring 1999.
- Lewis, Joanna. “Global Warming Threatens New England Wildlife, Local Economies.” *Enviro.Action*. National Wildlife Federation, Washington, D.C., April 1999.

GRANTS, FELLOWSHIPS AND HONORS

- 2020 Rockefeller Brothers Fund. *Broadening the U.S.-China Climate Lens: Exploring New Opportunities to Accelerate Energy Transformation in Third Countries*. PI: Joanna Lewis (\$250,000)
- 2019 Georgetown Environment Initiative. *Exploring Green Cement Modifications: From Material Science to Climate Policy*. PIs: Joanna Lewis & Emanuela Del Gado (Physics) (\$50,000)
- 2017 C3E Clean Energy Education & Empowerment Awards, Women in Clean Energy, Finalist.
- 2017 [Faculty Success Fellowship, Mentoring Associate Professors for Women in Science and Engineering \(MAP WISEly\)](#). National Science Foundation.
- 2016 Senior Faculty Research Fellowship, Georgetown University Graduate School
- 2013 National Science Foundation. “[International Partnerships and Technological Leapfrogging in China’s Clean Energy Sector.](#)” Award #1262452. PI: Joanna Lewis. (\$310,970)

- 2013 [Georgetown University Environment Initiative](#). “Adaptation and Mitigation Linkages in the United States and China: [Comparing Climate Resilience Initiatives](#) and Implications for Sub-National Policy.” Project Lead: Joanna Lewis; in collaboration with Vicki Arroyo and Kathryn Zyla, Georgetown Law Center (\$18,000)
- 2013 [Georgetown University Environment Initiative](#). “Towards Submission of an IGERT Proposal Focusing on Chemical Catalysis for Energy, Environment, and Sustainability.” Project Lead: YuYe Tong, Chair of the Department of Chemistry; with Timothy Warren, Travis Holman, Christian Wolf (Chemistry), Joanna Lewis, Tim Beach (SFS) and David Konisky (GPPI) (\$25,000)
- 2013 Junior Faculty Research Fellowship, Georgetown University Graduate School
- 2013 Competitive Grant-in-Aid, Georgetown University Graduate School (spring)
- 2011 [Residential Fellowship](#), Woodrow Wilson International Center for Scholars (2011-2012)
- 2011 [Public Intellectuals Program Fellow](#), National Committee on US-China Relations (2011-2013)
- 2011 Lead Author, Intergovernmental Panel on Climate Change (IPCC), [5th Assessment Report](#) (representing the United States) (2011-2014)
- 2012 Georgetown University Asian Studies Conference Travel Grant
- 2011 Georgetown University School of Foreign Service Faculty Summer Research Grant (\$7,375)
- 2011 [International Studies Association \(ISA\)](#) travel grant
- 2011 [Washingtonian Magazine’s List of “Women to Watch”](#) (10 women under 40)
- 2010 [Center for New Designs in Learning & Scholarship \(CNDLS\)](#) “Closing the Loop” Assessment Grant to evaluate writing and research skills across S’TIA. Project lead: Betsi Stephen (2010-2012)
- 2011 Visiting Research Fellowship, [East West Center](#), Honolulu, HI (summer 2010)
- 2008 National Academies Panel Member, [Committee of US-Chinese Cooperation on Electricity from Renewable Resources](#) (2008-2010)
- 2006 [Dissertations Initiative for the Advancement of Climate Change Research \(DISCCRS\)](#) Symposium Fellowship (supported by the National Science Foundation)
- 2004 [Liu Graduate Fellowship in Chinese Studies](#), University of California, Berkeley (2004-2005)
- 2003 Senior Visiting Scholar, [Tsinghua University, Institute for Energy, Environment and Economy](#), Beijing, China (2003-2004)
- 2003 Fieldwork Research Grant, [Energy and Resources Group](#), UC Berkeley (2003-2004)
- 2003 Summer Chinese Language Fellowship, [UC Berkeley Institute of East Asian Studies](#)
- 2002 Research Grant, [Energy and Resources Group](#), UC Berkeley (2002-2003)
- 1996 Pew Undergraduate Research Grant in Environmental Policy, Duke University (1996-1997)

SELECTED WORK EXPERIENCE

World Bank. Consultant, Trade & Competitiveness Global Practice, [East Asia and the Pacific](#), project on Clean Energy Technology Innovation in China. 2016-2017.

Lawrence Berkeley National Laboratory (LBNL). Berkeley, California.
China Energy Group, Energy Analysis Department, Environmental Energy Technologies Division.
Graduate Student Researcher, May 2000–August 2005; Faculty Affiliate, Spring 2013–present.

Energy Foundation China. Beijing, China.

Expert advisor/consultant, Renewable Energy Program. January 2001–2016.

US-China Clean Energy Forum. Seattle, Washington.

Consultant, supporting US-China IP work for the US Department of Energy. 2012-2016.

Hewlett Foundation. Menlo Park, California.

Consultant, supporting work on China's power sector. 2014-2015.

Asia Society, Center on US-China Relations. New York, NY

Research Coordinator, Initiative for US-China Cooperation on Energy and Climate, 2008.

United Nations Industrial Development Organization (UNIDO). Vienna, Austria.

Consultant, August – December 2009.

HMW International. Mill Valley, California.

Consultant for USAID Project on renewable energy in the developing world, December 2008-October 2009.

Pew Center on Global Climate Change (now the Center for Climate and Energy Solutions).

Arlington, Virginia. Senior International Fellow, August 2005-July 2008 (Full-time).

School of Foreign Service, Georgetown University, Washington, District of Columbia.

Adjunct Assistant Professor, January 2006-May 2008 (taught 1 course per year).

Energy and Resources Group, University of California, Berkeley. Berkeley, California.

Graduate Student Instructor. *Energy and Society*, Fall 2004.

Beijing ADC Integrated Solutions Co., Ltd. Beijing, China.

Advisor, wind power consultancy. January – April 2004.

Green Capital Consulting, Beijing, China.

Advisor, carbon trading consultancy, September 2003- June 2004.

Department of Geography, University of California, Berkeley. Berkeley, California.

Graduate Student Reader/Lecturer, *Social and Economic Development in China*, Fall 2002.

Institute for Sustainable Energy Paths (IPSEP). El Cerrito, California.

Consultant, January 2002 – August 2002.

Environmental Defense Fund (EDF). Oakland, California.

Research Assistant, International Program, August 1999 – May 2000.

National Wildlife Federation (NWF). Washington, District of Columbia.

Research Assistant, Climate Change Program, January – June 1999.

Newfound Harbor Marine Institute (NHMI). Big Pine Key, Florida.

Marine Science Instructor, (Elementary through High School), January – May 1998.

Hawaii Volcanoes National Park (HAVO). Hawaii National Park, Hawaii.

Field Research Assistant, Hawksbill Sea Turtle Project, Resources Management Division, June – December 1997.

Organization for Tropical Studies (OTS). Durham, North Carolina.
Assistant to the Academic Director (part-time), September 1996 – May 1997.

White House Council on Environmental Quality (CEQ). Washington, District of Columbia.
Environmental Policy Intern, May – August 1996.

SELECTED INVITED PRESENTATIONS

CAP, US-China Rising Scholar Virtual Dialogue, August 20, 2020
[View from the Peak/SUP China US-China Conference](#), May 6, 2016
Great Decisions Program on Climate Change and the Global Order, Arlington, VA, January 27, 2020
US-China Dialogue on Energy and Climate Change, Beijing, China, November 2019
The Global Green New Deal, Johns Hopkins University, Baltimore, MD, October 29, 2019
Department of Commerce, July 23, 2019
US-China Rising Leaders Dialogue, Brussels, Belgium, July 2019
[Duke Nicholas Institute](#), Washington, DC, June 17, 2019
[University of Pennsylvania, Center for the Study of Contemporary China](#), Philadelphia, PA, April 5, 2019
US-China Business Council, Washington, DC January 24, 2019
[Information Technology and Innovation Foundation \(ITIF\)](#), Washington, DC, November 7, 2018
[Energy Policy Institute, University of Chicago](#), Washington, DC, October 18, 2018
[Brookings Institution](#), Washington, DC, October 9, 2018
[AAAS Science and Technology Policy Forum](#), Washington, DC, June 21, 2018
[Citizen's Climate Lobby International Conference](#), Washington, DC, June 11, 2018
[Council on Foreign Relations](#), Washington, DC, April 18, 2018
[Nicholas Institute for Environmental Policy Solutions](#), Washington, DC, January 8, 2018
Global Economics in the Trump Administration, [CENTRA](#), Arlington, VA, July 18, 2017
[Duke-UNC US-China Leadership Summit](#), Durham, NC, April 8, 2017.
[Council on Foreign Relations](#), New York, NY, March 29-30, 2017
[Princeton University, Science, Technology and Environmental Policy Seminar](#), March 13, 2017
[Pivot to Asia Forum](#), RAND Corporation, Santa Monica, CA, January 24-25, 2017
Roundtable on China's Science, Technology and Innovation, Ottawa, Ontario, November 29, 2016
[Federation of American Scientists](#), Washington, DC, September 28, 2016
[Our Ocean One Future Conference](#), Washington, DC, September 15, 2016
[Center for American Progress](#), Honolulu, HI, June 13-15, 2016
Annual Meeting of the Senior Analytic Service, Washington, DC, June 10, 2016
[University of Alberta Conference](#), Banff, Canada, June 4-6, 2016
US Department of Energy, Washington, DC, May 25, 2016
US Department of State, Washington, DC, May 23, 2016
[Christian Science Monitor Event](#), Washington, DC, April 20, 2016
[US Association for Energy Economics](#), Washington, DC, April 13, 2016
[National Committee on US-China Relations](#), New York, NY, April 7, 2016
[AAAS Annual Meeting](#), Washington, DC, February 14, 2016
[The Climate Registry](#), Governor's Briefing on COP21, Paris, France, December 2, 2015
COP21, China Pavillion, Paris, France, December 2, 2015
World Bank, Washington, DC, November 19, 2015
[Library of Congress](#), Washington, DC, October 27, 2015
[AU Climate Conference](#), Washington, DC, October 5, 2015
Princeton China Air Pollution and Climate Workshop, Princeton, NJ, August 3-5, 2015
[WRI/EESI Senate briefing](#), Washington, DC, July 14, 2015
US-China Carbon Forum, Shanghai, China, June 19, 2015
US-China Climate Workshop, Changsha, China, June 18, 2015
US-China Climate Roundtable, Beijing, China, June 15, 2015.

US-China Renewable Energy Industries Forum, Washington, DC, June 3, 2015.
Resources for the Future, April 20, 2015
UNC-Duke China Leadership Summit, Chapel Hill, NC February 22, 2015
US State Department International Visitors Program, January 21, 2015
George Washington University, Washington, DC, November 21, 2014
IFCE and WWF Senate Briefing, Washington, DC November 13, 2014
Center for American Progress, Washington, DC, October 13, 2014
University of Texas Austin, October 2, 2014
Duke University, Nicholas School of the Environment, Durham, NC, September 19, 2014
National Committee on US China relations, New York, NY, September 11, 2014
ETH Zurich, Zurich, Switzerland, June 9, 2014
National Bureau of Asian Research, Washington, DC, June 5, 2014
US Department of Energy, May 27, 2014
University of California Berkeley, Conference on China's Borderlands, May 20-21, 2014
Columbia University Modern China Seminar Series, May 8, 2014
Vassar College, Conference on Innovation in China, April 5, 2014
Arizona State University, Conference on International S&T in China, April 4, 2014
Johns Hopkins School of Advanced International Studies, February 7, 2014
Elliot School, George Washington University, January 30, 2014
European Commission, Brussels, Belgium, November 14, 2013
Association of Public Policy and Management, November 7, 2013
Marin Academy Conference on Democracy, San Rafael, CA (via skype), October 25, 2013
Atlanta Conference on Innovation, Georgia Tech, September 26, 2013
Young Professionals in Foreign Policy, Washington, DC, September 19, 2013
Workshop on Informing Energy Technology Policy Decisions, Washington, DC, June 15, 2013
Foreign Correspondents Club of China, Embassy of Belgium, Beijing, China, June 7, 2013
American Chamber of Commerce, Beijing, China, June 5, 2013
Beijing Energy Network, Beijing, China, June 5, 2013
Hopkins China Forum, Shanghai, China, May 28, 2013
Shanghai Forum, Fudan University, Shanghai, China, May 27, 2013
University of California Berkeley, APEC Study Center, May 4, 2013
United Nations General Assembly, UN Headquarters, New York, NY, April 30, 2013
Energy and Resources Group, University of California, Berkeley, March 6, 2013
Weatherhead East Asian Institute, Columbia University, New York, February 13, 2013
National Committee on US-China Relations, New York, February 12, 2013
China Environment Forum, Woodrow Wilson International Center for Scholars, January 29, 2013
18th Session of the Conference of the Parties to the UNFCCC, Doha, Qatar, November 23, 2013
Harvard University Kennedy School, December 19, 2012
NCUSCR military briefing on China, Cosmos Club, Washington, DC, October 25, 2012
Senate Briefing, hosted by EESI and WRI, October 11, 2012
Keynote address, RETECH international trade forum, Washington, DC, October 19, 2012
Energy Foundation China Sustainable Energy Program, Beijing, China, July 9, 2012
Center for Energy and Climate Solutions and Tsinghua University, Washington, DC, June 5, 2012
World Renewable Energy Forum, Denver, CO, May 14, 2012
Woodrow Wilson International Center for Scholars, May 9, 2012
World Bank spring meetings, April 18, 2012
University of California San Diego 21st Century China Program, February 3, 2012
New Generation Seminar, East West Center, October 13, 2011
CISCO China Government Leadership Forum, Washington, DC, September 20, 2011
DOE-NEA US-China Renewable Energy Industry Forum, Washington, DC, September 19, 2011
METI IPCC AR5 Symposium, Tokyo, Japan, July 5-6, 2011
US Chamber of Commerce, Washington, DC, May 25, 2011

Berkeley-Stanford Cleantech Conference, San Francisco, CA, April 9, 2011
 EESI Briefing at the Capitol Hill Visitors Center, Washington, DC, April 5, 2011
 ACORE webinar series, March 1, 2011
 Camden Conference, Camden, Maine, February 19, 2011
 China Environment Forum, Woodrow Wilson Center for Scholars, December 2, 2010
 University of Victoria, British Columbia, Canada, November 6, 2010
 Women's Council on Energy and the Environment luncheon, November 1, 2010
 Brookings Institution conference on Developing Clean Energy Markets, October 25, 2010
 U.S. CAN, NDRC and GU side events at the UNFCCC negotiations in Tianjin, October 2010
 Brookings Institution Conference on U.S.-China Clean Energy Cooperation, September 17, 2010
 Transatlantic Climate and Energy Dialogue, Johns Hopkins University, September 13, 2010
 Council on Foreign Relations (CFR), Washington, DC, September 13, 2010
 East West Center, public forum on "China Today," Honolulu, HI, August 16, 2010
 Tsinghua University School of Public Policy and Management, June 25, 2010
 International Finance Corporation (IFC), Washington, DC, June 16, 2010
 Foreign Service Institute, US Department of State, Arlington, VA, May 13, 2010
 CNA Military Advisory Board Meeting, April 27, 2010
 S&ED Pre-Briefing for Special Envoy on Climate Change Todd Stern, April 22, 2010
 Brookings Institution, March 18, 2010
 World Affairs Council Annual Conference, San Francisco, CA, March 11, 2010
 Women Corporate Directors Dinner, Washington, DC, January 13, 2010
 UNIDO and Seoul National University, Seoul, Republic of Korea, November 12-13, 2009
 Center for Naval Analyses (CNA), Arlington, VA, November 4, 2009
 Macquarie Capital Asia Pacific Conference 2009, October 15, 2009, New York, NY
 World Resources Institute and the British Embassy Senate Briefing, September 24, 2009
 China-US Workshop on Energy and Climate Change, Beijing, China April 9, 2009
 Workshop on US-China Cooperation, Hilo, HI, March 18, 2009
 MIT Energy Conference, March 6-7, 2009
 Boston University, Pardee Center for a Long Range Future, March 6, 2009
 Harvard University, Harvard China Project Seminar Series, March 5, 2009
 "Good Jobs, Green Jobs" Conference, Washington, February 6, 2009
 The United Kingdom meeting of Foreign Service Representatives, Washington, February 3, 2009
 Business Roundtable "Climate Resolve" Conference, Washington, November 19, 2008
 Foreign Service Institute (FSI), US Department of State, Arlington, VA, November 7, 2008
 China Windpower 2008, Beijing China, October 29-31, 2008
 US-China Climate Change Dialogue, Worldwatch Institute, CAP and HBF, September 16, 2008
 Atlantic Council, Washington, DC, May 13, 2008
 GLOBE Parliamentarian Conference, Brasilia, Brazil, February 2008
 ECN Side Event and Pew Center Side Event, COP 13, Bali, Indonesia, December 3-14, 2008
 Chatham House, workshop on technology transfer, IP and climate change, November 17, 2008
 18th Annual Chicago Humanities Festival, November 10, 2007
 7th Annual Workshop on Emissions Trading, EPRI, IEA and IETA, Paris, October 8-9, 2007
 University of Maryland Graduate School of Public Policy, September 20, 2007
 Climate Change Philanthropy Action Network, Taipei, Taiwan September 15, 2007
 Energy Research Institute, China National Development and Reform Commission, September 2007
 National Religious Partnership for the Environment, July 31, 2007
 House Foreign Affairs Committee and National Environmental Trust, Rayburn HOB, July 23, 2007
 China National Development and Reform Commission, July 19, 2007
 Carbon Finance North America, June 14, 2007 New York, NY
 U.S.-China Working Group of the House of Representatives. Cannon HOB, May 24, 2007
 24th Meeting of the Subsidiary Bodies to the UNFCCC, Bonn, Germany, May 17-26, 2007
 COP 12, Nairobi, Kenya, December 2006

Korean Government Expert Meeting, Jeju, Republic of Korea, October 10-11, 2006
Woodrow Wilson Center's China Environment Forum, Washington, DC, October 2, 2006
National Development and Reform Commission, Beijing, China, July 2006
City University of Hong Kong, July 3-4, 2006
World Bank CDM Host Country Committee Meeting, Cologne, Germany, May 8-9, 2006
American Bar Association national teleconference on renewable energy, April 19, 2006
Industrial College of the Armed Forces of the National Defense University, March 9, 2006
Beijing International Renewable Energy Conference, Beijing, China, November 7-8, 2005
Yale School of Forestry and Environmental Studies, April 12, 2005
Johns Hopkins School of Advanced International Studies, February 28, 2005
China Senior Wind Energy Development Strategy Forum. Beijing, China. September 15-16, 2004
China-U.S. Governmental Working Group on Climate Change, Xi'an, China, March 2004

SELECTED GEORGETOWN PRESENTATIONS

[A Conversation with Al Gore on Climate Change](#), April 23, 2018
[US-China Student Fellows Program](#), October 3, 2017
[REU Science Policy Program](#), June 13, 2017
Shenhua Executive Education, Washington, DC, May 3, 2017
John Carroll Weekend, Austin, TX, April 22, 2017
Mortara Center event on Georgetown at COP 21, January 26, 2016
Georgetown University Asia Alumni Weekend, November 6, 2015
SFS-Q, Doha, April 2015
The US Pivot to Asia: What's next? February 6, 2015.
China's Rise and Global Energy Politics, event organized by Lecture Fund and International Relations Club, March 5, 2014
Joint Symposium with Sophia University on the Future of the Asia-Pacific, September 10, 2013
Book Launch: *Green Innovation in China*, Mortara Center, January 16, 2013
Georgetown Global Education Institute, Chinese Government Delegation, January 15, 2013
Georgetown Diplomacy and International Security Conference, March 30, 2012
Georgetown Global Education Institute, Chinese Government Delegation, October 25, 2011
Summer Environmental Science Institute for High School Students, June 20, 2011
Georgetown University Executive MBA Program. June 15, 2011
Law Asia, Georgetown University Law Center, December 1, 2010
Georgetown University & Lawrence Livermore National Laboratories Workshop, May 25, 2010
Georgetown Diplomacy and International Security Conference, March 19, 2010
Board of Visitors, Georgetown University School of Foreign Service, October 2009
STIA, European Club, Danish Embassy and World Resources Institute, April 21, 2009
Financial crisis conference, Georgetown and Fudan University, March 31 – April 1, 2009
Georgetown Leadership Seminar: annually
Asian Studies Program with Orville Schell, January 22, 2009
US-China-Australia High-Level Dialogue on Climate and Energy Security, September 18, 2008

UNIVERSITY AND PROFESSIONAL SERVICE

Professional Service

2020-2021 Guest Editor, *Global Environmental Politics*, Special issue on Green Industrial Policy
2019-2020 Guest Editor, *Applied Energy*, Special Issue on Emissions Trading Systems
2017-present Series Editor, *Oxford Studies in Comparative Energy and Environmental Politics*, Oxford University Press (with Todd Eisenstadt)
2017-present Editorial Board Member, *Global Environmental Politics* Journal, MIT Press.
2016-present Editorial Board Member, *Renewable Energy Focus* Journal, Elsevier.

2016 Member of the Chesapeake Bay Citizens Advisory Committee representing the District of Columbia (Appointed by Mayor Muriel Bowser)

2016 Member, Hillary for America, Energy, Climate and Environment Policy Working Group

2013-present Member, [National Committee on US-China Relations](#)

2013-present Founder and organizer of the annual DC-Area Energy and Climate Policy Workshop

2009-present Member, [China FAQs](#) expert network, World Resources Institute

2014-2016 Executive committee member, [Environmental Studies Section, International Studies Association](#)

2011-2014 Lead Author, [Intergovernmental Panel on Climate Change \(IPCC\)](#), 5th Assessment Report, Working Group III, Chapter 14: Regional Development and Cooperation

2011-2012 Participant in the [National Committee on US-China Relations Public Intellectuals Program](#) (includes public outreach activities on topics related to China) (2011-2013)

2010-2014 Advisory Board Member [Asia Society, Center for US-China Relations](#)

2008-2014 Member, Advisory Board, [American Council on Renewable Energy China Program](#)

2008-2010 National Academies Panel Member, [US-Chinese Cooperation on Electricity from Renewable Resources](#) (The U.S. National Academies, in collaboration with the Chinese Academy of Sciences and Chinese Academy of Engineering)

Georgetown University Service

2019-2020 Chair, search committee for junior faculty position in STIA

2019-present Member, Main Campus Science for All Faculty Committee

2019-present SFS Curriculum Committee

2019-present Chair, [US-China Energy & Climate Change Working Group, Initiative for US-China Cooperation on Global Issues](#), Georgetown University

2016-2017 Chair, [US-China Climate Research Dialogue, Initiative for US-China Cooperation on Global Issues](#), Georgetown University

2018-2019 Member of the Office of the Provost's Internal Grants Review Committee

2019-present Member of the Udall Scholarship Endorsement Committee

2017-present Member of the Environmental Studies Minor steering committee

2017-present Member of the [Climate Change Core Pathways](#) program faculty committee

2017-2018 Member of the SFS Committee on instituting a new core science curriculum

2016-present Faculty Steering Committee, [Initiative for US-China Dialogue on Global Issues](#)

2015-2018 Member of search committee for the Director of the [Georgetown Environment Initiative](#)

2015-2018 Member of search committee for Penner Chair in Asian Studies

2014-present IRB Reviewer for STIA Program student and faculty research proposals

2015-2016 Centennial Vision Committee, School of Foreign Service

2015-present Faculty Advisory Board, [Georgetown Journal of International Affairs](#)

2014-present Steering Committee, Georgetown Environment Initiative

2013-present Founder and steering committee, DC Area Energy & Climate Research Workshop

2012-present Created and co-coordinate the [Energy and Climate Policy Research Seminar](#) at the Mortara Center and annual DC area faculty research workshop, supported by Mortara and the McCourt School

2014-2015 Chair, search committee for junior faculty position in STIA

2013-2014 Member of search committee for junior faculty position in STIA

2012-2013 Member of search committee for junior faculty position(s) in STIA

2011-2013 Member of search committee for senior faculty position in STIA

2014-present Advisory Board, Georgetown Social Innovation Public Service (SIPS) Green Fund

2014-present Committee member, MSFS Oral Examinations

2014-present Advisory Committee, [Georgetown Journal of Asian Affairs](#)

2013-present University Council, Georgetown Journal of International Affairs

2012-present Advisor, Georgetown Energy

2012-present Advisor, [Georgetown Sustainability Office](#) Campus Planning Initiatives

2008-2011	Member of Honor Council
2011	Participated in planning meetings for the Georgetown Environment Initiative
2010-2011	Member of Merit Review Committee
2010	Member of the Provost's "Science for All" exploratory committee
2008-present	Participate in energy and climate change research collaboration discussions with the Office of the Senior Vice President
2008-present	Participate in planning discussions and conferences with the Central Party School of China and Georgetown University
2008-present	Participate in mock interviews for Rhodes and Marshall Fellowships and Georgetown Oxford Program, and review student Fulbright applications

Referee

Journals: *American Political Science Review*, *Applied Energy*, *China Environment Series*, *China Journal*, *Climate Policy*, *Climatic Change*, *Energies*, *The Energy Journal*, *Energy Policy*, *Environment and Planning C*, *Environmental Politics*, *Environmental and Resource Economics*, *Environmental Engineering and Management Journal*, *Environmental Management*, *Environmental Research Letters*, *Environmental Science and Technology*, *Global Environmental Politics*, *Governance*, *Journal of Chinese Political Science*, *Journal of Current Chinese Affairs*, *Journal of Environmental Policy and Planning*, *Journal of Renewable Energy Law And Policy*, *Nature Climate Change*, *Nature Energy*, *Pacific Affairs*, *Proceedings of the National Academy of Sciences (PNAS)*, *Review of International Political Economy*, *Review of Policy Research*, and *Science*.

Think Tank and Government/Intergovernmental Publications: Chatham House, Council on Foreign Relations (CFR), Pew Center, Institute for Global Environmental Strategies (IGES/Japan), the RAND Corporation, the Berkshire Encyclopedia of Sustainability, the World Resources Institute (WRI), the National Renewable Energy Laboratory (NREL), the National Science Foundation (NSF), the Intergovernmental Panel on Climate Change (IPCC). Grant reviewer: Private foundations, World Bank, National Science Foundation.

TEACHING AND ADVISING

Courses taught at Georgetown University

MSFS 604. *International Climate Policy & Diplomacy*
 MSFS 524. *China's Energy Challenges: Technology, Policy and Sustainability*
 STIA 451. *Energy & Environment in China*
 STIA 412. *Climate Science & Policy*
 STIA 498/499. *Honors Research Seminar*
 STIA 353. *Energy & Sustainability*
 STIA 305. *Science & Technology in the Global Arena*
 STIA 108. *Quantitative Methods for Policy*
 INAF 100.17/18 *Leapfrog Technologies for Sustainable Development*

Advising

Thesis Advisor. Primary advisor for numerous undergraduate honors theses in Science, Technology and International Affairs (including 2 Circumnavigator Fellows); as well as students in International Politics and Government; and master's students (GEMBA, SFS, SCS). Also advise several external masters' candidates. Ph.D. Dissertation Committees:

- Daisuke Hayashi, University of Zurich: *International Technology Transfer in China and India's Wind Industries*
- Joern Hunteler, ETH Zurich, *Creating Markets for Energy Innovations: Case Studies on Policy Design and Impact*;
- Junnan Yang, Princeton, *Designing Deployment Policies to Support China's Clean Energy Transition*
- Xu Chen, Princeton, *Environmental Impacts of Renewable Energy Development*
- Xi Wang, UC Boulder, *The Political Economy of Electricity Generation In China*
- Cyd Slayton, Georgetown, *Building Ambitious US Subnational Climate Initiatives*

- Yuyan Weng, Tsinghua University, *International Climate Cooperation between China and India*
- Weila Gong, Technical University of Munich: *Local Leadership and China's Climate Governance*
- Feza Koprucu, Georgetown, *Fostering Societal Action for Technological Developments Towards a Clean Energy Economy*

Undergraduate Research. Have supervised multiple undergraduate student research assistants to date through the [Georgetown Undergraduate Research Opportunities Program \(GUROP\)](#) and otherwise, and numerous graduate student research assistants. [[List of research group members here.](#)]

Experiential Learning Activities

Student Travel. Regularly bring students to attend the UN climate negotiations. Organized a week of educational activities and traveled with 6 main campus and 15 SFS-Qatar students to the UN climate negotiations in Doha, Qatar with funding support from SFS-Qatar (fall 2012). Also brought Georgetown students to COP 15, 18, 21, 22, 23, 24, 25 and SB46.

Field Trips. Organize field trips for my classes and the Georgetown Energy student group to energy facilities around Washington, DC, including fall 2013 trip to Catholic University's solar program.

Mentoring Doctoral Students. Faculty advisor for the ETH Zurich PhD-Academy on Sustainability and Technology 2014, Appenzel and Zurich, Switzerland, June 8-13, 2014.

Simulations. Developed multiple classroom simulations for STIA's core class and for the Climate Change Core Pathways curriculum (100 students taking part in an experimental way of teaching Georgetown's core curriculum with a focus on climate change).

Diplomacy Lab. Students in MSFS 604 Fall 2017 prepared projects on private sector investment in climate resilience, and students in STIA 412 Fall 2018 are preparing an assessment of the linkages between the IPCC Special Report on 1.5 Degrees and the Sustainable Development Goals as requested by the US Department of State, Bureau of Oceans and International Environmental and Scientific Affairs

Campus Lab. Students in STIA 412 Fall 2018 came up with detailed climate plans for Georgetown from 2020-2036 as requested by the campus Directors of Sustainability and Energy and Utilities.

Classroom Training

Teaching. Participated in multiple workshops offered by the Georgetown's Center for New Designs in Learning and Scholarship (CNDLS), as well as the annual Teaching, Learning and Innovation Summer Institutes (2009-2011, 2017, 2020)

Learning Assessment and Program Review. Received two CNDLS "Closing the Loop" Assessment Grants to evaluate writing and research skills across STIA program courses (2010-2012). Conduct oral examinations for MSFS program.

PROFESSIONAL AFFILIATIONS

International Studies Association (ISA); American Association for the Advancement of Science (AAAS); Professional Association for China's Environment (PACE); Association for Public Policy Analysis and Management (APPAM); American Political Science Association (APSA); American Solar Energy Society (ASES).

LANGUAGE AND MODELING SKILLS

Languages: Mandarin Chinese, French.

Energy/Climate-Related Computer Modeling: HOMER; RETScreen; ICAM; LEAP

MEDIA

Quoted in numerous media outlets including *The Washington Post*, *The New York Times*, *China Daily*, *USA Today*, *The New Yorker*, *US News and World Report*, *Greenwire*, *Climatewire*, *Marketplace*, *Radio Free Asia*, *The Nation*, *PRI's The World*, *The Koyo Nnamdi Show*, *Time Magazine*, *The Huffington Post* and *The Washingtonian*. Television network appearances include CCTV, Al Jazeera and ABC.