

# References

- Abernathy, William J., and James M. Utterback. 1978. "Patterns of Industrial Innovation." *Technology Review* 80:40–7.
- Abernathy, William J., and Kim B. Clark. 1985. "Innovation: Mapping the Winds of Creative Destruction." *Research Policy* 14 (1):3–22.
- Ackermann, Thomas, and Lennart Söder. 2002. "An Overview of Wind Energy—Status 2002." *Renewable and Sustainable Energy Reviews* 6 (1–2):67–127. doi: [http://dx.doi.org/10.1016/S1364-0321\(02\)00008-4](http://dx.doi.org/10.1016/S1364-0321(02)00008-4).
- Advocate General Jacobs. 2000. "Opinion of Advocate General Jacobs." *PreussenElektra v Schleswig AG* European Court of Justice (Case C-379–98).
- Ahrens, Nathaniel. 2013. *China's Competitiveness: Myth, Reality, and Lessons for the United States and Japan. Case Study: Suntech*. Washington, DC: Center for Strategic and International Studies.
- Aklin, Michaël, and Johannes Urpelainen. 2018. *Renewables: The Politics of a Global Energy Transition*. Cambridge, MA: MIT Press.
- Alexander, Cathy. 2013. "Carbon Cutters." <http://www.crikey.com.au/thepowerindex/carbon-cutters/>.
- American Energy and Manufacturing Partnership. 2013. *Driving Regional Transformation*. Washington, DC: Council on Competitiveness.
- American Wind Energy Association. 2015. "Anatomy of Wind Turbine." <http://www.awea.org/Resources/Content.aspx?ItemNumber=5083>.
- Amsden, Alice H. 1989. *Asia's Next Giant: South Korea and Late Industrialization*. Oxford: Oxford University Press.
- Amsden, Alice H. 2001. *The Rise of "the Rest": Challenges to the West from Late-Industrializing Countries*. Oxford: Oxford University Press.
- Antràs, Pol. 2003. "Incomplete Contracts and the Product Cycle." National Bureau of Economic Research Working Paper No. 9945.
- Arbeitsgemeinschaft Windenergie-Zulieferindustrie. 2012. *Komponenten, Systeme Und Fertigungstechnik Für Die Windindustrie*. Frankfurt: VDMA.
- Arbeitsgemeinschaft Windenergie. 2019. *Branchenführer Windindustrie 2019*. Frankfurt: VDMA.
- ARPA-E. 2009. "ARPA-E Project Selections." [http://www.energy.gov/sites/prod/files/edg/news/document/ARPA-E\\_Project\\_Selections.pdf](http://www.energy.gov/sites/prod/files/edg/news/document/ARPA-E_Project_Selections.pdf).
- Aulich, Hubert, and Peter Frey. 2009. "Solarvalley Mitteldeutschland—Strom aus der Sonne." <http://www.solarvalley.org/media/Imagebroschuere.pdf>.
- Autor, David H., David Dorn, and Gordon H. Hanson. 2012. "The China Syndrome: Local Labor Market Effects of Import Competition in the United States." National Bureau of Economic Research Working Paper No. 18054.
- AWEA Manufacturing Working Group. 2011. *Demand-Side Policies Will Fuel Growth in Wind Power Manufacturing Sector*. Washington, DC: AWEA.

- Bahnsen, Uwe. 2013. "Ölkrise 1973—Leere Tanks Und Leere Straßen." *Die Welt*. <https://www.welt.de/regionales/hamburg/article122171969/Oelkrise-1973-Leere-Tanks-und-leere-Strassen.html>.
- Bailey, Sheila G., Ryne Raffaele, and Keith Emery. 2002. "Space and Terrestrial Photovoltaics: Synergy and Diversity." *Progress in Photovoltaics: Research and Applications* 10 (6):399–406. doi: 10.1002/pip.446.
- Baker, Joseph. 2010. "Spurring Development and Building a U.S. Wind Power Supply Chain Industry." Wind Power Manufacturing and Supply Chain Summit, Chicago, IL.
- Baldwin, Carliss, and Kim Clark. 2000. *Design Rules: The Power of Modularity*. Cambridge, MA: MIT Press.
- Baldwin, Richard. 2016. *The Great Convergence*. Cambridge, MA: Harvard University Press.
- Ball, Jeffrey, Dan Reicher, Xiaojing Sun, and Caitlin Pollock. 2017. *The New Solar System: China's Evolving Solar Industry and Its Implications for Competitive Solar Power in the United States and the World*. Stanford, CA: Stanford University Steyer-Taylor Center for Energy Policy and Finance.
- Baoding Year Book [保定年检]*. 2004/2005. Beijing: Gazetteer Press [方志出版社].
- Baoding Year Book [保定年检]*. 1999. Beijing: People's Press [人民出版社].
- Barradale, Merrill Jones. 2010. "Impact of Public Policy Uncertainty on Renewable Energy Investment: Wind Power and the Production Tax Credit." *Energy Policy* 38 (12):7698–709. doi: <http://dx.doi.org/10.1016/j.enpol.2010.08.021>.
- Bartlett, John E., Robert M. Margolis, and Charles E. Jennings. 2009. *The Effects of the Financial Crisis on Photovoltaics: An Analysis of Changes in Market Forecasts from 2008 to 2009*. Golden, CO: National Renewable Energy Laboratory.
- Bebon, Joseph. 2013. "Top Wind Turbine Supplier in 2012: Vestas or GE." *North American Wind Power*, March 26.
- Bechberger, Mischa. 2000. "Das Erneuerbare-Energien-Gesetz (Eeg): Eine Analyse des Politikformulierungsprozesses." *FFU-report 00-06*. Berlin: Forschungsstelle für Umweltpolitik, Freie Universität Berlin.
- Becker, Ralf M., and Thomas F. Hellmann. 2003. "The Genesis of Venture Capital—Lessons from the German Experience." CESifo Working Paper No. 883.
- Behuria, Pritish. 2020. "The Politics of Late Late Development in Renewable Energy Sectors: Dependency and Contradictory Tensions in India's National Solar Mission." *World Development* 126:104726. doi: <https://doi.org/10.1016/j.worlddev.2019.104726>.
- Belitz, Heike, Alexander Eickelpasch, and Anna Lejpras. 2012. *Volkswirtschaftliche Bedeutung Der Technologie- Und Innovationsförderung im Mittelstand*. Berlin: Deutsches Institut für Wirtschaftsforschung.
- Berchem, Andreas. 2006. "Das Unterschätzte Gesetz." *Die Zeit*, September 22.
- Bereny, Justin A. 1977. *Survey of the Emerging Solar Energy Industry*. San Mateo, CA: Solar Energy Information Services.
- Berger, Suzanne. 1996. "Introduction." In *National Diversity and Global Capitalism*, edited by Suzanne Berger and Ronald Dore, 1–28. Ithaca, NY: Cornell University Press.
- Berger, Suzanne. 2000. "Globalization and Politics." *Annual Review of Political Science* 3:43–62.
- Berger, Suzanne. 2005a. *How We Compete*. New York: Doubleday.
- Berger, Suzanne. 2005b. *How We Compete: What Companies around the World Are Doing to Make It in Today's Global Economy*. New York, NY: Doubleday.
- Berger, Suzanne. 2013a. *Making in America*. Cambridge, MA: MIT Press.

- Berger, Suzanne. 2013b. *Making in America: From Innovation to Market*. Cambridge, MA: MIT Press.
- Berghoff, Hartmut. 2006. "The End of Family Business? The Mittelstand and German Capitalism in Transition, 1949–2000." *Business History Review* 80 (2):263–95. doi: doi:10.1017/S0007680500035492.
- Bettencourt, Luis M. A., Jessika E. Trancik, and Jasleen Kaur. 2013. "Determinants of the Pace of Global Innovation in Energy Technologies." *Plos ONE* 8 (10):1–6.
- Bierenbaum, Dan, Mary Margaret Frank, Michael Lenox, and Rachna Maheshwari. 2012. *Winning the Green Innovation Economy: An Analysis of Worldwide Patenting*. Charlottesville: Batten Institute at the University of Virginia.
- Binz, Christian, and Bernhard Truffer. 2017. "Global Innovation Systems—A Conceptual Framework for Innovation Dynamics in Transnational Contexts." *Research Policy* 46 (7):1284–98.
- Bird, Lori, Mark Bolinger, Troy Gagliano, Ryan Wiser, Matthew Brown, and Brian Parsons. 2005. "Policies and Market Factors Driving Wind Power Development in the United States." *Energy Policy* 33 (11):1397–407. doi: 10.1016/j.enpol.2003.12.018.
- Bolinger, Mark, Ryan Wiser, Lew Milford, Michael Stoddard, and Kevin Porter. 2001. "States Emerge as Clean Energy Investors: A Review of State Support for Renewable Energy." *Electricity Journal* 14 (9):82–95. doi: [http://dx.doi.org/10.1016/S1040-6190\(01\)00246-9](http://dx.doi.org/10.1016/S1040-6190(01)00246-9).
- Bolinger, Mark. 2013. *Understanding Wind Turbine Price Trends in the U.S. over the Past Decade*. Berkeley, CA: Lawrence Berkeley National Laboratory.
- Bonvillian, William B., and Charles Weiss. 2015. *Technological Innovation in Legacy Sectors*. New York, NY: Oxford University Press.
- Bosch, Gerhard. 2011. "The German Labour Market after the Financial Crisis: Miracle or Just a Good Policy Mix?" In *Work Inequalities in the Crisis: Evidence from Europe*, edited by Daniel Vaughan-Whitehead, 243–77. Cheltenham: Edward Elgar Publishing.
- Boskin, Michael J., and Lawrence J. Lau. 1992. "Capital, Technology, and Economic Growth." In *Technology and the Wealth of Nations*, edited by Nathan Rosenberg, Ralph Landau and David C. Mowery, 17–56. Stanford, CA: Stanford University Press.
- Böttcher, Matthias. 2010. *Global and Local Networks in the Solar Energy Industry: The Case of the San Francisco Bay Area*. Neurus Paper. Irvine: University of California, Irvine.
- Boudreau, John. 2012. "China Strives to Create Its Own Silicon Valley." *San Jose Mercury News*, June 6.
- Boulder Wind Power. 1999. "Boulder Wind Power." [www.boulderwindpower.com](http://www.boulderwindpower.com).
- Bouncken, Ricarda B. 2004. "Kooperationen Von Kmu in Jungen Branchen: Empirische Ergebnisse Im Bereich Regenerativer Energien." In *Kooperationen von Kleinen und Mittleren Unternehmen in Europa*, edited by Jörn-Axel Meyer, 206–51. Lohmar: EUL Verlag.
- Bourzac, Katherine. 2009. "U.S. Solar Startups Struggling to Compete with Chinese Firms." *Technology Review*, November 4.
- Bradsher, Keith. 2011. "Solar Panel Maker Moves Work to China." *New York Times*, January 14.
- Bradsher, Keith. 2012. "Glut of Solar Panels Poses a New Threat to China." *New York Times*. [http://www.nytimes.com/2012/10/05/business/global/glut-of-solar-panels-is-a-new-test-for-china.html?\\_r=0](http://www.nytimes.com/2012/10/05/business/global/glut-of-solar-panels-is-a-new-test-for-china.html?_r=0).
- Bradsher, Keith. 2013a. "Chinese Firm Buys U.S. Solar Start-Up." *New York Times*, January 9.

- Bradsher, Keith. 2013b. "Chinese Solar Panel Giant Is Tainted by Bankruptcy." *New York Times*, March 20.
- Brandt, Loren, and Eric Thun. 2010. "The Fight for the Middle: Upgrading, Competition, and Industrial Development in China." *World Development* 38 (11):1555–74.
- Brandt, Loren, and Eric Thun. 2016. "Constructing a Ladder for Growth: Policy, Markets, and Industrial Upgrading in China." *World Development* 80:78–95. doi: <https://doi.org/10.1016/j.worlddev.2015.11.001>.
- Braun, Boris. 2001. "Regionale Innovationsnetzwerke in der Mittelständischen Maschinenbauindustrie Japans und Deutschlands." In *Regionale Innovationsnetzwerke Im Internationalen Vergleich*, edited by Reinhold Grotz and Ludwig Schätzl, 166–84. Münster: LIT Verlag.
- Breetz, Hanna, Matto Mildenerger, and Leah Stokes. 2018. "The Political Logics of Clean Energy Transitions." *Business and Politics* 20 (4):492–522.
- Breznitz, Dan, and Michael Murphree. 2011. *Run of the Red Queen: Government, Innovation, Globalization and Economic Growth in China*. New Haven, CT: Yale University Press.
- Breznitz, Dan. 2007. *Innovation and the State: Political Choice and Strategies for Growth in Israel, Taiwan, and Ireland*. New Haven, CT: Yale University Press.
- Brown, Phillip. 2011. *Solar Projects: DOE Section 1705 Loan Guarantees*. Washington DC: Congressional Research Service.
- Bruns, Elke, Dörte Ohlhorst, Bernd Wenzel, and Johann Köppel. 2011. *Renewable Energies in Germany's Electricity Market: A Biography of the Innovation Process*. Heidelberg: Springer.
- Bullis, Kevin. 2008. "A Design for Cheaper Wind Power." *MIT Technology Review*, December 1.
- Bullis, Kevin. 2012. "The Chinese Solar Machine." *MIT Technology Review*, Jan/Feb.
- Bundesministerium für Bildung und Forschung. 2017. "Die Spitzencluster—Solarvalley Mitteldeutschland." <http://www.spitzencluster.de/de/solarvalley-mitteldeutschland-1716.html>.
- Bundesministerium für Umwelt, Naturschutz und Reaktorsicherheit. 2008. *Ökologische Industriepolitik—Wachstumspolitik für Eine Nachhaltige Zukunft*. Berlin: BMU.
- Bundesministerium für Wirtschaft und Arbeit. 2005. *Innovation und Neue Energietechnologien—Das 5*. Berlin: Energieforschungsprogramm der Bundesregierung.
- Bundesministerium für Wirtschaft und Technologie. 2011. *Forschung für Eine Umweltschonende, Zuverlässige und Bezahlbare Energieversorgung—Das 6*. Berlin: Energieforschungsprogramm Der Bundesregierung.
- Bundesregierung. 2005. *Wegweiser Nachhaltigkeit 2005—Bilanz und Perspektiven: Kabinettsbeschluss Vom 10. August 2005*. Berlin: Presse- und Informationsamt der Bundesregierung.
- Bürkle. 2013. "Unternehmen." <http://www.buerkle-gmbh.de/index.php?id=1132>.
- Butler, Lucy, and Karsten Neuhoff. 2008. "Comparison of Feed-in Tariff, Quota and Auction Mechanisms to Support Wind Power Development." *Renewable Energy* 33 (8):1854–67. doi: <http://dx.doi.org/10.1016/j.renene.2007.10.008>.
- Campbell, Richard J. 2011. *China and the United States: A Comparison of Green Energy Programs and Policies*. Washington DC: Congressional Research Service.
- Campocchia, A., L. Dusonchet, E. Telaretti, and G. Zizzo. 2009. "Comparative Analysis of Different Supporting Measures for the Production of Electrical Energy by Solar PV

- and Wind Systems: Four Representative European Cases.” *Solar Energy* 83 (3):287–97. doi: <http://dx.doi.org/10.1016/j.solener.2008.08.001>.
- Camuffo, Arnaldo. 2004. “Turning Out a World Car’: Globalization, Outsourcing, and Modularity in the Auto Industry.” *Korean Journal of Political Economy* 2:183–224.
- Cao, Cong. 2004. “Zhongguancun and China’s High-Tech Parks in Transition: ‘Growing Pains’ or ‘Premature Senility?’” *Asian Survey* 44 (5):647–68. doi: 10.1525/as.2004.44.5.647.
- Cao, Cong, Richard P. Suttmeier, and Denis Fred Simon. 2006. “China’s 15-Year Science and Technology Plan.” *Physics Today* 59 (12):38–43.
- Cao, Jing, and Felix Groba. 2013. *Chinese Renewable Energy Technology Exports: The Role of Policy, Innovation and Markets*. Berlin: Deutsches Institut für Wirtschaftsforschung.
- Cardwell, Diane. 2012. “U.S. Raises Tariffs on Chinese Wind-Turbine Makers.” *New York Times*, July 27.
- Cardwell, Diane. 2014. “U.S. Offshore Wind Farm, Made in Europe.” *New York Times*, January 22.
- Centrotherm. 2016. “History.” <http://www.centrotherm.de/en/unternehmen/geschichte/>.
- Cetorelli, Nicola, and Philip E. Strahan. 2006. “Finance as a Barrier to Entry: Bank Competition and Industry Structure in Local U.S. Markets.” *Journal of Finance* 61 (1):437–61. doi: 10.2307/3699346.
- Chandler, Alfred D., and Takashi Hikino. 1997. “The Large Industrial Enterprise and the Dynamics of Modern Growth.” In *Big Business and the Wealth of Nations*, edited by Alfred D Chandler, Franco Amatori, and Takashi Hikino, 24–62. Cambridge: Cambridge University Press.
- Chandler, Alfred D. 1977. *The Visible Hand: The Managerial Revolution in American Business*. Cambridge, MA: Harvard Belknap.
- Changzhou Yearbook* [常州年检]. 1998. Changzhou: Changzhou Gazetteer Editorial Committee [常州市地方志编纂委员会].
- Changzhou Yearbook* [常州年检]. 2004. Changzhou: Changzhou Gazetteer Editorial Committee [常州市地方志编纂委员会].
- Changzhou Yearbook* [常州年检]. 2005. Changzhou: Changzhou Gazetteer Editorial Committee [常州市地方志编纂委员会].
- China Daily. 2002. “Wenzhou Lighter Makers Await EU Decision.” *China Daily*, April 26.
- China Ming Yang Wind Power Group Limited. 2011. Annual Report 2010, Form 20-F.
- China Science and Technology Statistical Yearbook*. 2016. Beijing: China Statistical Press.
- China Statistical Yearbook*. 2007. Beijing: China Statistics Press.
- Chiro, Laura H. 2016. “The Politics of New Industrial Policy: Sectoral Governance Reform in Vietnam’s Agro-Export Industries.” Cambridge: Massachusetts Institute of Technology.
- Chiro, Laura, Vu Thanh Tu Anh, and Edward S. Steinfeld. 2012. *Private Sector Development: An Alternative Target for Industrial Policy in Vietnam*. Cambridge: Massachusetts Institute of Technology.
- Clark, Corrie. 2018. *Renewable Energy R&D Funding History: A Comparison with Funding for Nuclear Energy, Fossil Energy, and Energy Efficiency R&D*. Washington, DC: Congressional Research Service.
- Colat, Pech, Georgeta Vidican, and Richard K. Lester. 2009. “Innovation Systems in the Solar Photovoltaic Industry: The Role of Public Research Institutions.” IPC Working Paper Series, Cambridge, MA.

- “Conrad Burke: Executive Profile.” 2014a. *Bloomberg Businessweek*. <http://investing.businessweek.com/research/stocks/people/person.asp?personId=27714739&ticker=JASO>.
- Couture, Toby, and Yves Gagnon. 2010. “An Analysis of Feed-in Tariff Remuneration Models: Implications for Renewable Energy Investment.” *Energy Policy* 38 (2):955–65. doi: <http://dx.doi.org/10.1016/j.enpol.2009.10.047>.
- Crane, R. A., P. J. Verlinden, and R. M. Swanson. 1996. “Building a Cost-Effective, Fabrication Facility for Silicon Solar Cell R&D and Production.” 25th PVSC, Washington DC, May 13–17.
- CRESP. 2005. *Zhongguo Fendian Chanyehua Fazhan Guojia Xingdong Fangan [National Action Plan for China’s Wind Power Industry Development]*. Beijing: Zhongguo Kezaisheng Nengyuan Guimohua Fazhan.
- Culpepper, Pepper D. 1999. “Still a Model for the Industrialized Countries?” In *The German Skills Machine: Sustaining Comparative Advantage in a Global Economy*, edited by Pepper D. Culpepper and David Finegold, 1–36. New York: Berghahn.
- Culpepper, Pepper D. 2001. “Employers, Public Policy, and the Politics of Decentralized Cooperation in Germany and France.” In *Varieties of Capitalism: The Institutional Foundations of Comparative Advantage*, edited by Peter A. Hall and David Soskice, 275–306. Oxford: Oxford University Press.
- Dagger, Steffen B. 2009. *Energiopolitik & Lobbying: Die Novelle Des Erneuerbare-Energien Gesetzes*. Stuttgart: ibidem-Verlag.
- Dalian Yearbook [大连年检]*. 2007. Dalian: Dalian Yearbook Publishing Office [大连年鉴编辑部].
- David, Andrew S. 2009. *Wind Turbines: Industry and Trade Summary*. Washington, DC: United States International Trade Commission.
- Davis, Gerald F. 2009. *Managed by the Markets: How Finance Reshaped America*. Oxford: Oxford University Press.
- de la Tour, Arnaud, Matthieu Glachant, and Yann Ménière. 2011. “Innovation and International Technology Transfer: The Case of the Chinese Photovoltaic Industry.” *Energy Policy* 39 (2):761–70. doi: <http://dx.doi.org/10.1016/j.enpol.2010.10.050>.
- Department of Energy. 2003. “Wind Power Pioneer Interview: Jim Dehlsen, Clipper Windpower.” [https://web.archive.org/web/20131015213123/http://windpoweringamerica.gov/filter\\_detail.asp?itemid=683](https://web.archive.org/web/20131015213123/http://windpoweringamerica.gov/filter_detail.asp?itemid=683).
- Department of Energy. 2006. “Wind Energy Program Portfolio.” <http://www.nrel.gov/docs/fy06osti/37937.pdf>.
- Department of Energy. 2015. *Wind Vision: A New Era for Wind Power in the United States*. Washington, DC: Department of Energy.
- Department of Energy. 2017a. *U.S. Energy and Employment Report*. Washington, DC: Department of Energy.
- Department of Energy. 2017b. “Wind Research and Development.” Office of Energy Efficiency and Renewable Energy. <https://energy.gov/eere/wind/wind-research-and-development>.
- Deudney, Daniel, and Christopher Flavin. 1983. *Renewable Energy: The Power to Choose*. New York, NY: W.W. Norton & Company.
- Deutch, John, and Edward S. Steinfeld. 2013. “A Duel in the Sun: The Solar Photovoltaics: Technology Conflict between China and the United States.” Report for the MIT Future of Solar Energy Study, Cambridge, MA.



- Deutscher Bundestag. 1990. "Entwurf eines Gesetzes über die Einspeisung von Strom aus Erneuerbaren Energien in das Öffentliche Netz." 11. Wahlperiode (Drucksache 11/7971, September 25).
- Deutscher Bundestag. 2000. "Gesetz zum Vorrang Erneuerbarer Energien—Erneuerbare-Energien-Gesetz." *Bundesgesetzblatt* 1:305–09.
- Deutscher Industrie- und Handelskammertag. 2012. *Ausbildung 2012: Ergebnisse einer DIHK-Online-Unternehmensbefragung*. DIHK: Berlin.
- de Vries, Eize. 2011. "Bard Turbine Know-How Boosts Project Potential." *Windpower Monthly*, July.
- de Vries, Eize. 2013. "Close Up—Own Foundries Give Strategic Edge." *Windpower Monthly*, March.
- Distelhorst, Greg, and Richard M. Locke. 2018. "Does Compliance Pay? Social Standards and Firm-Level Trade." *American Journal of Political Science* 62 (3):695–711. doi:10.1111/ajps.12372.
- Dobbin, Frank. 1994. *Forging Industrial Policy: The United States, Britain, and France in the Railway Age*. Cambridge: Cambridge University Press.
- Doner, Richard, Gregory W. Noble, and John Ravenhill. 2006. "Industrial Competitiveness of the Auto Parts Industries in Four Large Asian Countries: The Role of Government Policy in a Challenging International Environment." World Bank Policy Research Working Paper (4106).
- Earth Policy Institute. 2020. "Climate, Energy, and Transportation Data." [http://www.earth-policy.org/data\\_center/C23](http://www.earth-policy.org/data_center/C23).
- Ebner, Christian, Lukas Graf, and Rita Nikolai. 2013. "New Institutional Linkages between Dual Vocational Training and Higher Education: A Comparative Analysis of Germany, Austria and Switzerland." In *Integration and Inequality in Educational Institutions*, edited by Michael Windzio, 281–98. Dordrecht: Springer Netherlands.
- Eckl, Verena, and Dirk Engel. 2009. "Benefiting from Publicly Funded Pre-Competitive Research: Differences between Insiders and Outsiders." *Ruhr Economic Paper No. 129*. Essen: Rheinisch-Westfälisches Institut für Wirtschaftsforschung.
- Economist, The. 2012. "The End of Cheap China." *The Economist*, March 12.
- Edin, Maria. 2003. "State Capacity and Local Agent Control in China: CCP Cadre Management from a Township Perspective." *China Quarterly* 173:35–52. doi:10.1017/S0009443903000044.
- EEW. 2013. "About EEW." <http://www.eew.de/about-eew>.
- Eichhorst, Werner, and Paul Marx. 2009. "Kurzarbeit—Sinnvoller Konjunkturpuffer Oder Verlängertes Arbeitslosengeld?" *Wirtschaftsdienst* 89 (5):322–28. doi:10.1007/s10273-009-0931-x.
- Ernst, Dieter. 2011. *Indigenous Innovation and Globalization: The Challenge for China's Standardization Strategy*. Honolulu, HI: East-West Center.
- Ernst, Dieter, and Linsu Kim. 2002. "Global Production Networks, Knowledge Diffusion, and Local Capability Formation." *Research Policy* 31 (8–9):1417–29. doi:10.1016/S0048-7333(02)00072-0.
- Ernst, Dieter, and Barry Naughton. 2008. "China's Emerging Industrial Economy: Insights from the IT Industry." In *China's Emergent Political Economy*, edited by Christopher A. McNally, 39–59. New York, NY: Routledge.
- Estevez-Abe, Margarita, Torben Iversen, and David Soskice. 2001. "Social Protection and the Formation of Skills: A Reinterpretation of the Welfare State." In *Varieties of*

- Capitalism: The Institutional Foundations of Comparative Advantage*, edited by Peter A. Hall and David Soskice, 145–83. Oxford: Oxford University Press.
- Evans, Peter. 1995. *Embedded Autonomy: States and Industrial Transformation*. Princeton, NJ: Princeton University Press.
- Ezell, Stephen J., and Robert D. Atkinson. 2011a. *The Case for a National Manufacturing Strategy*. Washington, DC: The Information Technology & Innovation Foundation (ITIF).
- Ezell, Stephen J., and Robert D. Atkinson. 2011b. *International Benchmarking of Countries' Policies and Programs Supporting SME Manufacturers*. Washington, DC: Information Technology & Innovation Foundation.
- Fabrizio, Kira R. 2012. "The Effect of Regulatory Uncertainty on Investment: Evidence from Renewable Energy Generation." *Journal of Law, Economics, and Organization* 29 (4) (August 2013):765–98. doi: 10.1093/jleo/ews007.
- Fagerberg, Jan, and Koson Sapprasert. 2011. "National Innovation Systems: The Emergence of a New Approach." *Science and Public Policy* 38 (9):669–79. doi: 10.3152/030234211x13070021633369.
- Farrell, Henry, and Abraham Newman. 2020. "Will the Coronavirus End Globalization as We Know It?" *Foreign Affairs*, May/June.
- Fialka, John. 2016. "Why China Is Dominating the Solar Industry." <https://www.scientificamerican.com/article/why-china-is-dominating-the-solar-industry/>.
- Fischedick, Manfred, and Mischa Bechberger. 2009. "Die Ökologische Industriepolitik Deutschlands am Beispiel der Solar- und Windindustrie. Musterschüler Oder Problemkind?" *Moderne Industriepolitik*. Berlin: Friedrich-Ebert-Stiftung.
- Fishman, Ted C. 2005. *China Inc.* New York, NY: Scribner.
- Flex, Hansa. 2013. "Unternehmensgeschichte." <http://www.hansa-flex.com/en/unternehmen/geschichte.html>.
- Forschungszentrum Jülich. 1993. *Programm Energieforschung Und Energietechnologien—Statusreport 1993 Photovoltaik*. Bonn: Bundesministerium für Forschung und Technologie.
- Fraunhofer ISE. 2017. *Jahresbericht 2016/17*. Freiburg: Fraunhofer-Institut für Solare Energiesysteme ISE.
- Frieden, Jeffrey A., and Ronald Rogowski. 1996. "The Impact of the International Economy on National Policies: An Analytical Overview." In *Internationalization and Domestic Politics*, edited by Helen V. Milner and Robert O. Keohane, 25–47. Cambridge: Cambridge University Press.
- Friedman, Gregory H. 2015. *Special Report: The Department of Energy's Loan Guarantee to Solyndra Inc.* Washington, DC: US Department of Energy, Office of Inspector General.
- Gaddy, Benjamin, Varun Sivaram, and Francis O'Sullivan. 2016. *Venture Capital and Cleantech: The Wrong Model for Clean Energy Innovation*. Cambridge, MA: MIT Energy Initiative.
- Galey, John. 1979. "Industrialist in the Wilderness: Henry Ford's Amazon Venture." *Journal of Interamerican Studies and World Affairs* 21 (2):261–89. doi: 10.2307/165528.
- Gallaher, Michael P., Albert N. Link, and Alan O'Connor. 2012. *Public Investments in Energy Technology*. Cheltenham: Edward Elgar Publishing.
- Gawel, Erik, and Christian Klassert. 2013. "Wie Weiter mit der Besonderen Ausgleichregelung im Eeg?" *UFZ Discussion Papers* (9):1–14.



- Ge, Dongsheng, and Takahiro Fujimoto. 2004. "Quasi-Open Product Architecture and Technological Lock-In: An Exploratory Study on the Chinese Motorcycle Industry." *Annals of Business Administrative Science* 3 (2):15–24.
- Gereffi, Gary. 1994. "The Organization of Buyer-Driven Commodity Chain: How U.S. Retailers Shape Overseas Production Networks." In *Commodity Chains and Global Capitalism*, edited by Gary Gereffi and Miguel Korzeniewicz, 95–112. Westport, CT: Praeger.
- Gereffi, Gary. 2009. "Development Models and Industrial Upgrading in China and Mexico." *European Sociological Review* 25 (1):37–51. doi: 10.1093/esr/jcn034.
- Gereffi, Gary. 2018. *Global Value Chains and Development: Redefining the Contours of 21st Century Capitalism*. Cambridge: Cambridge University Press.
- Gereffi, Gary, John Humphrey, and Timothy Sturgeon. 2005. "The Governance of Global Value Chains." *Review of International Political Economy* 12 (1):78–104.
- Germany Trade & Invest. 2010. *Wind Energy Industry in Germany*. Berlin.
- Germany Trade & Invest. 2011a. *Leading PV Manufacturers Produce in Germany*. Berlin.
- Germany Trade & Invest. 2011b. *Photovoltaic Equipment*. Berlin.
- Germany Trade & Invest. 2011c. *Photovoltaics—Made in Germany*. Berlin.
- Germany Trade & Invest. 2013. *Facts and Figures 2013—Cash Incentives*. Berlin.
- Germany Trade & Invest. 2014. *Leading PV Manufacturers in Germany*. Berlin.
- Gertner, Jon. 2013. "Flodesign's Jet-Engine Turbine Will Change the Way You Think about Wind Power." *Fast Company Magazine*, September.
- Giesecke, Susanne. 2000. "The Contrasting Roles of Government in the Development of Biotechnology Industry in the U.S. and Germany." *Research Policy* 29 (2):205–23. doi: [http://dx.doi.org/10.1016/S0048-7333\(99\)00061-X](http://dx.doi.org/10.1016/S0048-7333(99)00061-X).
- Gipe, Paul. 1995. *Wind Energy Comes of Age*. New York, NY: John Wiley & Sons.
- Gleitz, Robert. 2006. *The Case for Wind: GE Energy's Perspective*. GE Energy.
- Goodrich, Alan C., Douglas M. Powell, Ted L. James, Michael Woodhouse, and Tonio Buonassisi. 2013. "Assessing the Drivers of Regional Trends in Solar Photovoltaic Manufacturing." *Energy and Environmental Science* 6 (10):2811–21. doi: 10.1039/C3EE40701B.
- Goudarzi, N., and W. D. Zhu. 2013. "A Review on the Development of Wind Turbine Generators across the World." *International Journal of Dynamics and Control* 1 (2):192–202. doi: 10-1007/s40435-013-0016-y.
- Graf, Lukas. 2013. "Duale Studiengänge als 'Unerwartete' form der Institutionellen Durchlässigkeit Zwischen Berufs- und Hochschulbildung in Deutschland." In *Vergleiche Innerhalb von Gruppen und Institutionelle Gelingensbedingungen. Vielversprechende Perspektiven für die Ungleichheitsforschung*, Heike Solga, Christian Brzinsky-Fay, Lukas Graf, Cornelia Gresch, and Paula Protsch, 41–42. Berlin: WZB.
- Green, Martin A. 2001. "Crystalline Silicon Solar Cells." In *Clean Electricity from Photovoltaics*, edited by M. D. Archer and R. Hill, 149–97. London: Imperial College Press.
- Grewe, Hartmut. 2009. "Die Branche Der Erneuerbaren Energien Und Ihre Lobby." *Konrad Adenauer Stiftung—Analysen & Argumente* (December).
- Grossman, Gene M., and Elhanan Helpman. 1991. "Endogenous Product Cycles." *Economic Journal* 101 (408) (September 1):1214–29.
- Grune, Susann, and Sebastian Heilmann. 2012. "Deutsch-Chinesische Technologiekooperation." *China Analysis* 99 (December):1–14.

- Grünhagen, Marc, and Holger Berg. 2011. "Modelling the Antecedents of Innovation-Based Growth Intentions in Entrepreneurial Ventures: The Role of Perceived Regulatory Conditions in the German Renewable Energies and Disease Management Industries." *International Journal of Technology, Policy and Management* 11 (3/4): 220–49.
- GTM Research. 2011. *U.S. Solar Energy Trade Assessment 2011*. Washington, DC: Solar Energy Industries Association.
- Guan, Dabo, Glen P. Peters, Christopher L. Weber, and Klaus Hubacek. 2009. "Journey to World Top Emitter: An Analysis of the Driving Forces of China's Recent CO<sub>2</sub> Emissions Surge." *Geophysical Research Letters* 36 (4):L04709. doi: 10.1029/2008GL036540.
- Guang Dong Mingyang Wind Power Technology Co. Ltd. 2007. *1.5 Mw Wind Turbine: Germany Technology + China Manufacturing Capacity*. Mingyang: Zhongshan.
- Günterberg, Brigitte, and Gunter Kayser. 2004. *SME's in Germany—Facts and Figures 2004*. Bonn: Institut für Mittelstandsforschung.
- GWEC. 2017. *Global Wind Report Annual Market Update 2016*. Brussels: Global Wind Energy Council.
- Hager, Carol J. 1995. *Technological Democracy: Bureaucracy and Citizenry in the German Energy Debate*. Ann Arbor: University of Michigan Press.
- Hager, Carol, and Christoph H. Stefes. 2016. *Germany's Energy Transition: A Comparative Perspective*. New York, NY: Palgrave Macmillan.
- Hall, Ben, and Richard Milne. 2019. "Europe First: How Brussels Is Retooling Industrial Policy." *Financial Times*. <https://www.ft.com/content/140e560e-0ba0-11ea-bb52-34c8d9dc6d84?shareType=nongift>.
- Hall, Peter A., and David Soskice. 2001. "An Introduction to Varieties of Capitalism." In *Varieties of Capitalism: The Institutional Foundations of Comparative Advantage*, edited by Peter A. Hall and David Soskice, 1–70. Oxford: Oxford University Press.
- Hamilton, Tyler. 2011. "Building Bigger, Better Wind Turbines." *MIT Technology Review*, July 6.
- Harborne, Paul, and Chris Hendry. 2009. "Pathways to Commercial Wind Power in the US, Europe and Japan: The Role of Demonstration Projects and Field Trials in the Innovation Process." *Energy Policy* 37 (9):3580–95. doi: <http://dx.doi.org/10.1016/j.enpol.2009.04.027>.
- Hart, David M. 2020. *The Impact of China's Production Surge on Innovation in the Global Solar Photovoltaics Industry*. Washington, DC: Information Technology & Innovation Foundation.
- Harvey, Fiona. 2009. "Asia Set to Overtake Us in Green Technology." *Financial Times*, November 18. <http://www.ft.com/intl/cms/s/2/68cfa9dc-d45a-11de-a935-00144feabdc0.html#axzz48NiLK2hX>.
- Hassel, Anke. 2014. "The Paradox of Liberalization—Understanding Dualism and the Recovery of the German Political Economy." *British Journal of Industrial Relations* 52 (1):57–81. doi: 10.1111/j.1467-8543.2012.00913.x.
- Hedrich Group. 2013. "Designing Innovations for Wind Power." <https://www.hedrich.com/en/products/innovations/innovation-timelinewww.hedrich.com/en>.
- Heilmann, Sebastian, Lea Shih, and Andreas Hofem. 2013. "National Planning and Local Technology Zones: Experimental Governance in China's Torch Programme." *China Quarterly* 216:896–919. doi:10.1017/S0305741013001057.

- Helper, Susan, Timothy Krueger, and Howard Wial. 2012. "Why Does Manufacturing Matter? Which Manufacturing Matters? A Policy Framework." *Metropolitan Policy Program*. Brookings: Washington, DC.
- Helveston, John, and Jonas Nahm. 2019. "China's Key Role in Scaling Low-Carbon Energy Technologies." *Science* 366 (6467):794. doi: 10.1126/science.aaz1014.
- Henderson, Jeffrey, Peter Dicken, Martin Hess, Neil Coe, and Henry Wai-Chung Yeung. 2002. "Global Production Networks and the Analysis of Economic Development." *Review of International Political Economy* 9 (3):436–64.
- Henderson, Rebecca M., and Kim B. Clark. 1990. "Architectural Innovation: The Reconfiguration of Existing Product Technologies and the Failure of Established Firms." *Administrative Science Quarterly* 35 (1):9–30.
- Henderson, Rebecca, Adam B. Jaffe, and Manuel Trajtenberg. 1998. "Universities as a Source of Commercial Technology: A Detailed Analysis of University Patenting, 1965–1988." *Review of Economics and Statistics* 80 (1):119–127. doi: 10.1162/003465398557221.
- Herrigel, Gary. 2010. *Manufacturing Possibilities: Creative Action and Industrial Recomposition in the United States, Germany, and Japan*. Oxford: Oxford University Press.
- Heymann, Matthias. 1995. *Die Geschichte der Windenergienutzung 1890–1990*. Frankfurt: Campus.
- Heymann, Matthias. 1998. "Signs of Hubris: The Shaping of Wind Technology Styles in Germany, Denmark, and the United States, 1940–1990." *Technology and Culture* 39 (4):641–70. doi: 10.2307/1215843.
- Hiscox, Michael J. 2002. *International Trade and Political Conflict: Commerce, Coalitions, and Mobility*. Princeton, NJ: Princeton University Press.
- Hochstetler, Kathryn. 2020. *Political Economies of Energy Transition: Wind and Solar Power in Brazil and South Africa*. Cambridge: Cambridge University Press.
- Hoffmann, Kevin. 2012. "Endstation Thalheim—Solarfirma Q-Cells Kämpft Ums Überleben." *Der Tagesspiegel*, January 25.
- Holmes, Thomas J. 2011. *The Case of the Disappearing Large-Employer Manufacturing Plants: Not Much of a Mystery after All*. Minneapolis, MN: Federal Reserve Bank of Minneapolis.
- Höpner, Martin, and Lothar Krempel. 2004. "The Politics of the German Company Network." *Competition and Change* 8 (4):339–56.
- Hsueh, Roselyn. 2012. "China and India in the Age of Globalization: Sectoral Variation in Postliberalization Reregulation." *Comparative Political Studies* 45 (1):32–61.
- Hu, Albert G. Z., Gary H. Jefferson, and Qian Jinchang. 2005. "R&D and Technology Transfer: Firm-Level Evidence from Chinese Industry." *Review of Economics and Statistics* 87 (4):780–86. doi: 10.1162/003465305775098143.
- Huang, Yasheng. 2002. "Between Two Coordination Failures: Automotive Industrial Policy in China with a Comparison to Korea." *Review of International Political Economy* 9 (3):538–73.
- Huang, Yasheng. 2003. *Selling China—Foreign Direct Investment during the Reform Era*. Cambridge: Cambridge University Press.
- Huang, Yasheng. 2008. *Capitalism with Chinese Characteristics: Entrepreneurship and the State*. Cambridge: Cambridge University Press.
- HYDAC. 2013. "Wir Über Uns." <http://www.hydac.com/de-en/company.html>.

- IHS Solar. 2013. *Integrated PV Market Tracker—Q1 2013*. Englewood CO: IHS.
- Inskeep, Benjamin, Ethan Case, Kate Daniel, Brian Lips, Autumn Proudlove, David Sarkisian, Achyut Shrestha, Kathryn Wright, Ryan Cook, Chad Laurend, Eskedar Gessesse, and Will Hanley. 2016. *The 50 States of Solar*. Raleigh, NC: North Carolina Clean Energy Technology Center.
- International Energy Agency (IEA). 2008. *Energy Policies of IEA Countries: The United States*. Paris: OECD.
- International Energy Agency (IEA). 2016. *Photovoltaic Power Systems Technology Collaboration Programme—Annual Report 2016*. Paris: International Energy Agency.
- International Energy Agency (IEA). 2019. *Energy Policies of IEA Countries: The United States*. Paris: OECD.
- International Energy Agency (IEA). 2020. *Energy Technology R&D Statistics*. IEA: Paris.
- International Trade Administration. 2013. “Utility Scale Wind Towers from the People’s Republic of China: Antidumping Duty Order.” *Federal Register* 78 (32):11146–148.
- IPCC. 2018. *Global Warming of 1.5°C*. Geneva: Intergovernmental Panel on Climate Change.
- IRENA. 2017. *Renewable Energy and Jobs—Annual Review 2017*. Paris: International Renewable Energy Agency.
- IRENA. 2018. *Renewable Energy and Jobs—Annual Review 2018*. Paris: International Renewable Energy Agency.
- Ismar, Georg. 2012. “Kürzung Bei Solarförderung Massiv Entschärft.” *Die Welt*, June 26.
- Iyer, Lakshmi, and Richard H. Vietor. 2014. *The Challenges of Governance*. Boston, MA: Harvard Business School.
- JA Solar. 2010. “JA Solar Signs Strategic Agreements with Innovalight for Joint Development of High Efficiency Solar Cells.” JA Solar. <http://investors.jasolar.com/phoenix.zhtml?c=208005&p=irol-newsArticle&ID=1446259&highlight=>.
- JA Solar Holdings. 2007. *Annual Report 2006, Form 20-F*.
- Jacobsson, Staffan, and Volkmar Lauber. 2005. “Germany: From a Modest Feed-in Law to a Framework for Transition.” In *Switching to Renewable Power—A Framework for the 21st Century*, edited by Volkmar Lauber, 122–58. London: Earthscan.
- Jennings, Charles E., Robert M. Margolis, and John E. Bartlett. 2008. *A Historical Analysis of Investments in Solar Energy Technologies (2000–2007)*. Golden, CO: National Renewable Energy Laboratory.
- Jin, Hehui, Yingyi Qian, and Barry Weingast. 2005. “Regional Decentralization and Fiscal Incentives: Federalism, Chinese Style.” *Journal of Public Economics* 89:1719–42.
- Johnson, Chalmers A. 1982. *Miti and the Japanese Miracle: The Growth of Industrial Policy, 1925–1975*. Stanford, CA: Stanford University Press.
- Johnson, Keith. 2009. “Flying Tigers: More Reasons to Worry about Asia’s Clean-Tech Push.” *Wall Street Journal*, November 18. <http://blogs.wsj.com/environmentalcapital/2009/11/18/flying-tigers-more-reasons-to-worry-about-asias-clean-tech-push/>.
- Kang, Junjie, Jiahai Yuan, Zhaoguang Hu, and Yan Xu. 2012. “Review on Wind Power Development and Relevant Policies in China During the 11th Five-Year-Plan Period.” *Renewable and Sustainable Energy Reviews* 16 (4):1907–15. doi: <http://dx.doi.org/10.1016/j.rser.2012.01.031>.
- Kaplinsky, Raphael. 2013. *Globalization, Poverty and Inequality: Between a Rock and a Hard Place*. Cambridge: Polity.
- Karapın, Roger. 2016. *Political Opportunities for Climate Policy: California, New York, and the Federal Government*. Cambridge: Cambridge University Press.

- Karmann-Proppert, Yvonne. 2017. "Csr Im Forschungsaktiven Mittelstand— Verantwortung Hat Tradition." In *Csr Und Nachhaltige Innovation: Zukunftsfähigkeit Durch Soziale, Ökonomische Und Ökologische Innovationen*, edited by Gesa Gordon and Astrid Nelke, 123–32. Berlin, Heidelberg: Springer.
- Karplus, Valerie J. 2007. *Innovation in China's Energy Sector*. Stanford, CA: Stanford University Center for Environmental Science and Policy.
- Kennedy, Andrew B. 2013. "China's Search for Renewable Energy: Pragmatic Techno-Nationalism." *Asian Survey* 53 (5):909–30. doi: 10.1525/as.2013.53.5.909.
- Keuper, Armin, Jens Peter Molly, and Christiane Stückemann. 1992. "Windenergienutzung in Der Bundesrepublik Deutschland." *DEWI Magazin* 1:5–25.
- Kim, Linsu. 1997. *Imitation to Innovation: The Dynamics of Korea's Technological Learning*. Boston: Harvard Business School Press.
- Kim, Linsu, and Richard Nelson. 2000. "Introduction." In *Technology, Learning and Innovation*, edited by Linsu Kim and Richard Nelson, 1–12. Cambridge: Cambridge University Press.
- Knight, Chris P. 2011. "Failure to Deploy: Solar Photovoltaic Policy in the United States." In *The State of Innovation: The U.S. Government's Role in Technology Development*, edited by Fred Block and Matthew Keller, 173–95. London: Paradigm Publishers.
- Koch, Wendy. 2014. "U.S. Wind Industry Slammed by Tax Uncertainty, Fracking." *USA Today*, April 10.
- Kopytoff, Verne. 2014. "Why Foreign Leaders Love Silicon Valley." *Fortune*, February 20.
- Kostka, Genia, and William Hobbs. 2012. "Local Energy Efficiency Policy Implementation in China: Bridging the Gap between National Priorities and Local Interests." *The China Quarterly* 211:765–85. doi: 10.1017/S0305741012000860.
- Kraemer, Kenneth L., Greg Linden, and Jason Dedrick. 2011. "Capturing Value in Global Networks: Apple's iPad and iPhone." Irvine, CA: Personal Computing Industry Center, UC Irvine.
- Kreditanstalt für Wiederaufbau. 2006. "Sonderband Innovationen im Mittelstand." *Mittelstands- und Strukturpolitik* 37 (July).
- Kremzner, Mark T. 1998. "Managing Urban Land in China: The Emerging Legal Framework and Its Role in Development." *Pacific Rim Law and Policy Journal* 7 (3):611–55.
- Kroll, Henning, Marcus Conlé, and Marcus Schüller. 2008. *New Challenges for Germany in the Innovation Competition*. Fraunhofer Institute for Systems and Innovation Research Karlsruhe.
- Krugman, Paul. 1979. "A Model of Innovation, Technology Transfer, and the World Distribution of Income." *Journal of Political Economy* 87(2) (April):253–66.
- Krugman, Paul R. 1994. "The Myth of Asia's Miracle." *Foreign Affairs* 73 (6):62–78.
- Kuntze, Jan-Christoph, and Tom Moerenhout. 2013. *Local Content Requirements and the Renewable Energy Industry: A Good Match?* Geneva: International Centre for Trade and Sustainable Development.
- Laird, Frank, and Christoph Stefes. 2009. "The Diverging Paths of German and United States Policies for Renewable Energy: Sources of Difference." *Energy Policy* 37: 2619–29.
- Lake, David A. 2009. "Open Economy Politics: A Critical Review." *Review of International Organizations* 4 (3):219–44.
- Landrum, Nancy E., and David M. Boje. 2002. "Kairos: Strategies Just in Time in the Asian Athletic Footwear Industry." In *Asian Post-Crisis Management: Corporate and*

- Governmental Strategies for Sustainable Competitive Advantage*, edited by Usha Haley and Frank-Jürgen Richter, 81–101. London: Palgrave.
- Landry, Pierre F. 2008. *Decentralized Authoritarianism in China: The Communist Party's Control of Local Elites in the Post-Mao Era*. Cambridge: Cambridge University Press.
- Lang, Johannes. 2003. "Performance Von Photovoltaik Anlagen." *BINE Projektinfo 03/03*. Eggenstein-Leopoldshafen: Fachinformationszentrum Karlsruhe, Gesellschaft für wissenschaftlich-technische Information mbH.
- Langlois, Richard. 2002. "Modularity in Technology and Organization." *Journal of Economic Behavior and Organization* 49 (2002):19–37.
- Lardy, Nicholas R. 2002. *Integrating China into the Global Economy*. Washington, DC: Brookings Institution Press.
- Lauber, Volkmar, and Lutz Mez. 2004. "Three Decades of Renewable Electricity Policies in Germany." *Energy and Environment* 15 (4):599–623. doi: 10.1260/0958305042259792.
- Lazard. 2018. "Lazard's Levelized Cost of Energy Analysis." Lazard. <https://www.lazard.com/media/450784/lazards-levelized-cost-of-energy-version-120-vfinal.pdf>.
- Lécuyer, Christophe. 2007. *Making Silicon Valley: Innovation and the Growth of High Tech, 1930–1970*. Cambridge, MA: MIT Press.
- Lemoine, Françoise, and Deniz Ünal-Kesenci. 2004. "Assembly Trade and Technology Transfer: The Case of China." *World Development* 32 (5):829–50. doi: <http://dx.doi.org/10.1016/j.worlddev.2004.01.001>.
- Leone, Steve. 2012. "Major Closures for Firstsolar, Sunpower." <http://www.renewableenergyworld.com/articles/2012/04/first-solar-closing-plant-30-percent-of-workforce-cut.html>.
- Levinson, Marc. 2014. *U.S. Manufacturing in International Perspective*. Washington, DC: Congressional Research Service.
- Levinson, Marc. 2017. *U.S. Manufacturing in International Perspective*. Washington, DC: Congressional Research Service.
- 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, Johanna I. 2007. "Technology Acquisition and Innovation in the Developing World: Wind Turbine Development in China and India." *Studies in Comparative International Development* 42 (3–4):208–32.
- Lewis, Johanna I. 2012. *Green Innovation in China: China's Wind Power Industry and the Global Transition to a Low Carbon Economy*. New York, NY: Columbia University Press.
- Lewis, Johanna I. 2013. *Green Innovation in China: China's Wind Power Industry and the Global Transition to a Low Carbon Economy*. New York, NY: Columbia University Press.
- Lewis, Johanna I. 2015. *A Better Approach to Intellectual Property? Lessons from the US-China Clean Energy Research Center*. Chicago, IL: Paulson Institute.
- Leyden, Dennis Patrick, and Matthias Menter. 2018. "The Legacy and Promise of Vannevar Bush: Rethinking the Model of Innovation and the Role of Public Policy." *Economics of Innovation and New Technology* 27 (3):225–42. doi: 10.1080/10438599.2017.1329189.
- Li, Hongbin, Lei Li, Binzhen Wu, and Yanyan Xiong. 2012. "The End of Cheap Chinese Labor." *The Journal of Economic Perspectives* 26 (4):57–74. doi: 10.1257/jep.26.4.57.
- Li, Junfeng. 2011a. *China Wind Power Outlook [中国风电发展报告]*. Beijing: China Environmental Science Press [中国环境科学出版社].
- Li, Junfeng. 2011b. *Zhongguo Fengdian Fazhan Baogao [China Wind Power Outlook]*. Beijing: Zhongguo huanjing kexue chubanshe.



- Lin, George C. S., and Fangxin Yi. 2011. "Urbanization of Capital or Capitalization on Urban Land? Land Development and Local Public Finance in Urbanizing China." *Urban Geography* 32 (1):50–79. doi: 10.2747/0272–3638.32.1.50.
- Lipp, Judith. 2007. "Lessons for Effective Renewable Electricity Policy from Denmark, Germany and the United Kingdom." *Energy Policy* 35 (11):5481–95.
- Liu, Xiaohui, and Trevor Buck. 2007. "Innovation Performance and Channels for International Technology Spillovers: Evidence from Chinese High-Tech Industries." *Research Policy* 36 (3):355–66. doi: <http://dx.doi.org/10.1016/j.respol.2006.12.003>.
- Liu, Xielin, and Peng Cheng. 2011. *Is China's Indigenous Innovation Strategy Compatible with Globalization?* *Policy Studies*. Honolulu: East-West Center.
- Liu, Yongzheng, and Jorge Martinez-Vazquez. 2013. "Interjurisdictional Tax Competition in China." *Journal of Regional Science* 54 (4):606–28. doi: 10.1111/jors.12097.
- Locke, Richard M. 2013. *The Promise and Limits of Private Power: Promoting Labor Standards in a Global Economy*. Cambridge: Cambridge University Press.
- Locke, Richard M., and Rachel L. Wellhausen. 2014. *Production in the Innovation Economy*. Cambridge, MA: MIT Press.
- Loferski, Joseph J. 1993. "The First Forty Years: A Brief History of the Modern Photovoltaic Age." *Progress in Photovoltaics: Research and Applications* 1 (1):67–78. doi: 10.1002/pip.4670–10109.
- Lubinski, Christina. 2011. "Path Dependency and Governance in German Family Firms." *Business History Review* 85 (4):699–724. doi: 10.1017/S0007680511001164.
- Lüthje, Boy. 2002. "Electronics Contract Manufacturing: Global Production and the International Division of Labor in the Age of the Internet." *Industry and Innovation* 9 (3):227–47. doi: 10.1080/1366271022000034471.
- Mack, Joel H., Natasha Gianvecchio, Marc T. Campopiano, and Suzanne M. Logan. 2011. "All Recs Are Local: How in-State Generation Requirements Adversely Affect Development of a Robust Rec Market." *The Electricity Journal* 24 (4):8–25. doi: <https://doi.org/10.1016/j.tej.2011.04.007>.
- Mai, Trieu, Wesley Cole, Eric Lantz, Cara Marcy, and Benjamin Sigrin. 2016. *Impacts of Federal Tax Credit Extensions on Renewable Deployment and Power Sector Emissions*. Golden, CA: National Renewable Energy Laboratory.
- Mair, Peter. 2001. "The Green Challenge and Political Competition: How Typical Is the German Experience?" *German Politics* 10 (2):99–116. doi: 10.1080/772713265.
- Mankiw, N. Gregory, and Phillip Swagel. 2006. "The Politics and Economics of Offshore Outsourcing." National Bureau of Economic Research Working Paper No. 12398.
- Marigo, Nicoletta. 2007. "The Chinese Silicon Photovoltaic Industry and Market: A Critical Review of Trends and Outlook." *Progress in Photovoltaics: Research and Applications* 15 (2):143–62. doi: 10.1002/pip.716.
- Markard, Jochen, and Bernhard Truffer. 2008. "Technological Innovation Systems and the Multi-Level Perspective: Towards an Integrated Framework." *Research Policy* 37 (4):596–615.
- Marsh, Peter. 2011. "China Noses Ahead as Top Goods Producer." *Financial Times*, March 13.
- Martinot, Eric, Ryan Wiser, and Jan Hamrin. 2005. *Renewable Energy Markets and Policies in the United States*. San Francisco: Center for Resource Solutions.
- Matthew L. Wald, 2011. "Energy Firms Aided by U.S. Find Backers." *New York Times*, February 2.

- Mayer, Colin, Koen Schoors, and Yishay Yafeh. 2005. "Sources of Funds and Investment Activities of Venture Capital Funds: Evidence from Germany, Israel, Japan and the United Kingdom." *Journal of Corporate Finance* 11 (3):586–608. doi: <http://dx.doi.org/10.1016/j.jcorpfin.2004.02.003>.
- Mazzucato, Mariana. 2013. *The Entrepreneurial State—Debunking Public vs. Private Sector Myths*. London: Anthem Press.
- Mazzucato, Mariana. 2016. "From Market Fixing to Market-Creating: A New Framework for Innovation Policy." *Industry and Innovation* 23 (2):140–56. doi: 10.1080/13662716.2016.1146124.
- McKenna, Phil. 2015. "Bladeless Wind Turbines May Offer More Form Than Function." *Technology Review*, May 27.
- Meckling, Jonas, and Bentley B. Allan. 2020. "The Evolution of Ideas in Global Climate Policy." *Nature Climate Change* 10 (5):434–38.
- Meckling, Jonas, and Llewelyn Hughes. 2017. "Globalizing Solar: Global Supply Chains and Trade Preferences." *International Studies Quarterly* 61 (2):225–35.
- Meckling, Jonas, Nina Kelsey, Eric Biber, and John Zysman. 2015. "Winning Coalitions for Climate Policy." *Science* 349 (6253):1170–71. doi: 10.1126/science.aab1336.
- Menz, Fredric C. 2005. "Green Electricity Policies in the United States: Case Study." *Energy Policy* 33 (18):2398–410. doi: <http://dx.doi.org/10.1016/j.enpol.2004.05.011>.
- Meri, Thomas. 2009. "China Passes the EU in High-Tech Exports." *Statistics in Focus*. Brussels: Eurostat.
- Meyer, Timothy. 2015. "How Local Discrimination Can Promote Global Public Goods." *Boston University Law Review* 95 (6):1937–2025.
- Minagawa, Tetsuya, Paul Trott, and Andreas Hoecht. 2007. "Counterfeit, Imitation, Reverse Engineering and Learning: Reflections from Chinese Manufacturing Firms." *R&D Management* 37 (5):455–67. doi: 10.1111/j.1467-9310.2007.00488.x.
- Ministry of Industry and Information Technology. 2012. "Second Five Year Plan for Solar PV Industry Issued [太阳能光伏产业“十二五”发展规划印发]." [http://www.gov.cn/gzdt/2012-02/24/content\\_2075802.htm](http://www.gov.cn/gzdt/2012-02/24/content_2075802.htm).
- Ministry of Science and Technology. 2007a. *China Science and Technology Statistics Data Book [中国科技统计数据]*. Beijing: Department of Development Planning, Ministry of Science and Technology.
- Ministry of Science and Technology. 2007b. "Industry Establish National Key Labs." *China Science and Technology Newsletter* 481.
- Ministry of Science and Technology. 2012. "12th Special Five Year Plan for Wind Power Technology Development." Ministry of Science and Technology: Beijing.
- Minks, Karl-Heinz, Nicolai Netz, and Daniel Völk. 2011. *Berufsbegleitende Und Duale Studienangebote in Deutschland: Status Quo Und Perspektiven*. Hannover: Hochschul-Informationen-System (HIS), Bundesinstitut für Berufsbildung.
- Mitchell, C., D. Bauknecht, and P. M. Connor. 2006. "Effectiveness through Risk Reduction: A Comparison of the Renewable Obligation in England and Wales and the Feed-in System in Germany." *Energy Policy* 34 (3):297–305.
- Moore, Bill, and Rolf Wüstenhagen. 2004. "Innovative and Sustainable Energy Technologies: The Role of Venture Capital." *Business Strategy and the Environment* 13 (4):235–45. doi: 10.1002/bse.413.
- Moretti, Enrico. 2012. *The New Geography of Jobs*. Boston: Houghton Mifflin Harcourt.
- Morris, Craig. 2012. A German Solar Bubble? Look Again! In *German Energy Transition*. [https://us.boell.org/sites/default/files/downloads/Morris\\_GermanSolarBubble.pdf](https://us.boell.org/sites/default/files/downloads/Morris_GermanSolarBubble.pdf).

- Morton, Oliver. 2006. "Solar Energy: A New Day Dawning? Silicon Valley Sunrise." *Nature* 443 (7107):19–22.
- Mowery, David C., Richard R. Nelson, Bhaven N. Sampat, and Arvids A. Ziedonis. 2001. "The Growth of Patenting and Licensing by U.S. Universities: An Assessment of the Effects of the Bayh–Dole Act of 1980." *Research Policy* 30 (1):99–119. doi: [http://dx.doi.org/10.1016/S0048-7333\(99\)00100-6](http://dx.doi.org/10.1016/S0048-7333(99)00100-6).
- Mowery, David C., Richard R. Nelson, Bhaven N. Sampat, and Arvids A. Ziedonis. 2004. *Ivory Tower and Industrial Innovation: University-Industry Technology Transfer before and after the Bayh-Dole Act*. Stanford, CA: Stanford University Press.
- Mundaca, Luis, and Jessika Luth Richter. 2015. "Assessing 'Green Energy Economy' Stimulus Packages: Evidence from the U.S. Programs Targeting Renewable Energy." *Renewable and Sustainable Energy Reviews* 42:1174–86.
- Murphree, Michael, and Dan Breznitz. 2020. "Global Supply Chains as Drivers of Innovation in China." In *Oxford Handbook of China Innovation*, edited by Xiaolan Fu, Jin Chen and Bruce McKern. Oxford: Oxford University Press. <https://ssrn.com/abstract=3520159> or <http://dx.doi.org/10.2139/ssrn.3520159>.
- Nahm, Jonas. 2017a. "Exploiting the Implementation Gap: Policy Divergence and Industrial Upgrading in China's Wind and Solar Sectors." *The China Quarterly* 231:705–27.
- Nahm, Jonas. 2017b. "Renewable Futures and Industrial Legacies: Wind and Solar Sectors in China, Germany, and the United States." *Business and Politics* 19 (1):68–106.
- Nahm, Jonas. 2020. "A Green Economic Recovery: Global Trends and Lessons for the United States." *Statement before the House Foreign Affairs Committee Subcommittee on Europe, Eurasia, Energy, and the Environment*.
- Nahm, Jonas, and Edward S. Steinfeld. 2014. "Scale-Up Nation: China's Specialization in Innovative Manufacturing." *World Development* 54:288–300. doi: <http://dx.doi.org/10.1016/j.worlddev.2013.09.003>.
- National Energy Administration (NEA). 2011. "12th Five-Year Plan on Solar Power Development [国家能源局文件, 国能新能(2012)194号]"
- National Energy Administration (NEA). 2012. "National Energy Administration Notice on the Issuance of 12th Five Year Plan for Solar Energy Development." National Energy Administration: Beijing.
- National Science Board. 2018. *Science and Engineering Indicators 2018 (Nsb-2018-1)*. Alexandria, VA: National Science Foundation.
- Naughton, Barry. 2007. *The Chinese Economy—Transitions and Growth*. Cambridge, MA: MIT Press.
- Nelson, Richard R. 1993. *National Innovation Systems*. Oxford: Oxford University Press.
- Nemet, Gregory F. 2009. "Demand-Pull, Technology-Push, and Government-Led Incentives for Non-Incremental Technical Change." *Research Policy* 38 (5):700–709.
- Nemet, Gregory F. 2019. *How Solar Energy Became Cheap*. New York, NY: Routledge.
- Neuhoff, Karsten. 2012. "The German Solar Industry." In *Meeting Global Challenges: German-U.S. Innovation Policy*, edited by National Research Council, 154–57. Washington, DC: National Academies Press.
- Nolan, Peter. 2012. *Is China Buying the World?* Cambridge, UK: Polity Press.
- NREL. 2002. *National Renewable Energy Laboratory—25 Years of Research Excellence 1977–2002*. Golden, CO: National Renewable Energy Laboratory.
- NREL. 2012. "DOE Funds Advanced Magnet Lab and NREL to Develop Next-Generation Drivetrains." <http://apps1.eere.energy.gov/wind/newsletter.detail.cfm/articleId=105>.

- Nussbaumer, Hartmut, Daniel Biro, Helge Haverkamp, and Karsten Bothe. 2007. "Forschung für Neue Technologien und ihre Wechselwirkung mit der Industrie—Vom Mittelständler zum Global Player." Produktionstechnologien für die Solarenergie—Jahrestagung des Forschungsverbunds Sonnenenergie in Kooperation mit dem Bundesverband Solarwirtschaft, Hannover, September 26–27.
- O'Connor, Alan, Ross J. Loomis, and Fern M. Braun. 2010. *Retrospective Benefit-Cost Evaluation of DOE Investment in Photovoltaic Energy Systems*. Washington, DC: U.S. Department of Energy.
- O'Sullivan, Marlene, Ulrike Lehr, and Dietmar Edler. 2015. *Bruttobeschäftigung Durch Erneuerbare Energien in Deutschland und Verringerte Fossile Brennstoffimporte Durch Erneuerbare Energien und Energieeffizienz*. Berlin: Bundesministeriums für Wirtschaft und Energie.
- OECD. 2005. *The Measurement of Scientific and Technological Activities: Guidelines for Collecting and Interpreting Innovation Data: Oslo Manual, Third Edition*. Paris: OECD, Working Party of National Experts on Scientific and Technology Indicators.
- OECD. 2008. *OECD Reviews of Innovation Policy: China*. Paris: OECD Publishing.
- OECD. 2012. *Economic Surveys: Germany 2012*. Paris: OECD Publishing.
- Ohlhorst, Dörte. 2009. *Windenergie in Deutschland: Konstellationen, Dynamiken, Und Regulierungspotenziale Im Innovationsprozess*. Wiesbaden: VS Research.
- Oi, Jean C. 1995. "The Role of the Local State in China's Transitional Economy." *China Quarterly* 144 Special Issue: China's Transitional Economy:1132–49.
- Ornston, Darius. 2013. "Creative Corporatism: The Politics of High-Technology Competition in Nordic Europe." *Comparative Political Studies* 46 (6):702–29.
- Osnos, Evan. 2009. "Green Giant." *New Yorker*, December 21.
- Osterman, Paul, and Andrew Weaver. 2013. "Skills and Skill Gaps in Manufacturing." In *Production in the Innovation Economy*, edited by Rachel L. Wellhausen and Richard M. Locke, 17–50. Cambridge, MA: MIT Press.
- Palz, Wolfgang. 2011. "The Rising Sun in a Developing World." In *Power for the World: The Emergence of Electricity from the Sun*, edited by Wolfgang Palz, 1–58. Singapore: Pan Stanford Publishing.
- "Peng Fang: Executive Profile." 2014. *Bloomberg Businessweek*, <http://investing.businessweek.com/research/stocks/people/person.asp?personId=27714739&ticker=JASO>.
- Perlin, John. 1999. *From Space to Earth: The Story of Solar Electricity*. Ann Arbor, MI: Aatec Publications.
- Peters, Theodor. 2009. "Das Vensys Konzept." *Wind Kraft Journal* 6:18–22.
- Petersen, Bent, and Lawrence S. Welch. 2002. "Foreign Operation Mode Combinations and Internationalization." *Journal of Business Research* 55 (2):157–62. doi: [https://doi.org/10.1016/S0148-2963\(00\)00151-X](https://doi.org/10.1016/S0148-2963(00)00151-X).
- Pierce, Justin R., and Peter K. Schott. 2014. *The Surprisingly Swift Decline of U.S. Manufacturing Employment*. Washington, DC: Federal Reserve Board.
- Pierson, Paul. 1994. *Dismantling the Welfare State?* Cambridge: Cambridge University Press.
- Pierson, Paul. 2000. "Increasing Returns, Path Dependence, and the Study of Politics." *American Political Science Review* 94 (2):251–67.
- Pisano, Gary P., and Willy C. Shih. 2009. "Restoring American Competitiveness." *Harvard Business Review*, July.

- Pisano, Gary P., and Willy C. Shih. 2012. *Producing Prosperity: Why America Needs a Manufacturing Renaissance*. Boston, MA: Harvard Business Review Press.
- Platzer, Michaela D. 2012a. *U.S. Solar Photovoltaic Manufacturing: Industry Trends, Global Competition, Federal Support*. Washington, DC: Congressional Research Service.
- Platzer, Michaela D. 2012b. *U.S. Wind Turbine Manufacturing: Federal Support for an Emerging Industry*. Washington, DC: Congressional Research Service.
- Plumer, Brad. 2013. "China May Soon Stop Flooding the World with Cheap Solar Panels." *Washington Post*, March 23.
- Porter, Michael E. 1986. *Competition in Global Industries*. Boston: Harvard Business School Press.
- Porter, Michael E. 1990. *The Competitive Advantage of Nations*. New York, NY: Free Press.
- President's Council of Advisors on Science and Technology. 2012. *Report to the President on Capturing Domestic Competitive Advantage in Advanced Manufacturing*. Edited by Executive Office of the President. Washington, DC.
- Publicover, Brian. 2016. "Yingli Agrees to \$7.5m Settlement with Solyndra." *Recharge*, September 28, 2016. <http://www.rechargenews.com/solar/867428/yingli-agrees-to-usd-75m-settlement-with-solyndra>.
- QCells. 2005. "Rec Is New Strategic Partner in Everq." [http://www.pvqse.de/uploads/media/pm\\_rec\\_everq\\_english\\_28\\_11.pdf](http://www.pvqse.de/uploads/media/pm_rec_everq_english_28_11.pdf)
- Qin, Haiyan. 2013. "Wind Power in China: Chasing a Dream That Creates Value." In *The Rise of Modern Wind Energy: Wind Power for the World*, edited by Preben Maegaard, Anna Krenz and Wolfgang Palz, 589–610. Boca Raton, FL: Pan Stanford Publishing.
- Ramaswamy, Sree, James Manyika, Gary Pinkus, Katy George, Jonathan Law, Tony Gambell, and Andrea Serafino. 2018. *Making It in America: Revitalizing U.S. Manufacturing*. McKinsey Global Institute. <https://www.mckinsey.com/featured-insights/americas/making-it-in-america-revitalizing-us-manufacturing>.
- Raymond, Nate. 2018. *China's Sinovel Convicted in U.S. of Trade-Secret Theft*. Reuters, January 24. <https://www.reuters.com/article/us-sinovel-wind-gro-usa-court/chinas-sinovel-convicted-in-u-s-of-trade-secret-theft-idUSKBN1FD2XL>.
- Redlinger, Robert Y., Per Dannemand Anderson, and Poul Erik Morthorst. 1988. *Wind Energy in the 21st Century: Economics, Policy, Technology, and the Changing Electricity Industry*. Edited by United Nations Environment Programme. New York, NY: Palgrave.
- REN21. 2010. *Renewables 2010 Global Status Report*. Paris: REN21 Secretariat.
- REN21. 2015. *Renewables 2015 Global Status Report*. Paris: REN21 Secretariat.
- REN21. 2020. *Renewables 2015 Global Status Report*. Paris: REN21 Secretariat.
- Renewable Energy World. 2000. "Evergreen Solar Has Successful IPO." <https://www.renewableenergyworld.com/articles/2000/11/evergreen-solar-has-successful-ipo-4573.html>.
- Rheinisch-Westfälisches Institut für Wirtschaftsforschung, and WSF Wirtschafts- und Sozialforschung Kerpen. 2010. *Erweiterte Erfolgskontrolle Beim Programm zur Förderung der IGF im Zeitraum 2005–2009*. Essen: Rheinisch-Westfälisches Institut für Wirtschaftsforschung.
- Righter, Robert W. 1996. *Wind Energy in America: A History*. Norman, OK: University of Oklahoma Press.
- Rithmire, Meg. 2013. "Land Politics and Local State Capacities: The Political Economy of Urban Change in China." *The China Quarterly* 216:872–95.
- Rodrik, Dani. 1998. "Has Globalization Gone Too Far?" *Challenge* 41 (2):81–94.

- Rogowsky, Robert A., and Karen Laney-Cummings. 2009. *Wind Turbines: Industry and Trade Summary*. Washington, DC: United States International Trade Commission.
- Röhl, Klaus-Heiner. 2010. *Der Deutsche Wagniskapitalmarkt—Ansätze zur Finanzierung von Gründern und Mittelstand. IW-Positionen/* Institut der deutschen Wirtschaft: Cologne.
- Romer, Paul M. 1994. "The Origins of Endogenous Growth." *Journal of Economic Perspectives* 8 (1):3–22.
- Roth & Rau. 2010. "Roth & Rau Ag Schließt Joint Venture Vertrag Mit Chinesischem Unternehmen." [http://www.roth-rau.de/fileadmin/user\\_upload/shared/rr-website/Download/News/03-02-2010\\_ad-hoc.pdf](http://www.roth-rau.de/fileadmin/user_upload/shared/rr-website/Download/News/03-02-2010_ad-hoc.pdf).
- Rothgang, Michael, Matthias Peistrup, and Bernhard Lageman. 2011. "Industrial Collective Research Networks in Germany: Structure, Firm Involvement and Use of Results." *Industry and Innovation* 18 (4):393–414. doi: 10.1080/13662716.2011.573957.
- Ru, Peng, Qiang Zhi, Fang Zhang, Xiaotian Zhong, Jianqiang Li, and Jun Su. 2012. "Behind the Development of Technology: The Transition of Innovation Modes in China's Wind Turbine Manufacturing Industry." *Energy Policy* 43:58–69. doi: <http://dx.doi.org/10.1016/j.enpol.2011.12.025>.
- Sabel, Charles, and Gary Herrigel. 2018. "Collaborative Innovation in the Norwegian Oil and Gas Industry." In *Petroleum Industry Transformations: Lessons from Norway and Beyond*, edited by Taran Thune, Ole Andreas Engen, and Olav Wicken, 231–48. London: Taylor and Francis.
- Samel, Hiram. 2013. "Essays on Volatility and the Division of Innovative Labor." Ph.D., Sloan School of Management, Massachusetts Institute of Technology.
- Samuels, Richard J. 1987. *The Business of the Japanese State: Energy Markets in Comparative and Historical Perspective*. Ithaca, NY: Cornell University Press.
- Samuelson, Paul A. 1938. "Welfare Economics and International Trade." *American Economic Review* 28 (2):261–66.
- Sandtner, Walter, Helmut Geipel, and Helmut Lawitzka. 1997. "Forschungsschwerpunkte der Bundesregierung in den Bereichen Erneuerbarer Energien und Rationeller Energienutzung." In *Energiepolitik—Technische Entwicklung, Politische Strategien, Handlungskonzepte zu Erneuerbaren Energien und zur Rationellen Energienutzung*, edited by Hans Günter Brauch, 255–72. Berlin: Springer.
- Schlegel, Stephanie. 2005. "Innovationsbiographie Windenergie." Diplom, Institut für Landschaftsarchitektur und Umweltplanung, TU Berlin.
- Schmid Group. 2013. "Company History." <http://www.schmid-group.com/en/company/history.html>.
- Schneider, Ben Ross. 2015. *Designing Industrial Policy in Latin America: Business-State Relations and the New Developmentalism*. New York, NY: Palgrave Macmillan.
- Schultz, Stefan. 2012. "Bankruptcies Have German Solar on the Ropes." *Der Spiegel*, April 3. <http://www.spiegel.de/international/business/q-cells-bankruptcy-heralds-end-of-german-solar-cell-industry-a-825490.html>.
- Shumpeter, Joseph A. 1934. *A Theory of Economic Development*. Cambridge, MA: Harvard University Press.
- Schwabe, Paul, Karlynn Cory, and James Newcomb. 2009. *Renewable Energy Project Financing: Impacts of the Financial Crisis and Federal Legislation*. Golden, CO: National Renewable Energy Laboratory.
- Schwag Serger, Sylvia, and Magnus Breidne. 2007. "China's Fifteen-Year Plan for Science and Technology: An Assessment." *Asia Policy* 4:135–64.



- Schwenn, Kerstin, Henrike Rossbach, and Thiemo Heeg. 2012. "Die Solarförderung Wird Deutlich Gekürzt." *Frankfurter Allgemeine Zeitung*, February 22.
- Seemann, Mareike. 2012. *Innovationsnetzwerke in Jungen Branchen—Formation, Morphologie und Unternehmenstrategische Implikationen am Beispiel der Deutschen Photovoltaikbranche*. Marburg: Metropolis-Verlag.
- Segal, Adam. 2003. *Digital Dragon: High-Technology Enterprises in China*. Ithaca, NY: Cornell University Press.
- Segal, Adam. 2010. *Advantage: How American Innovation Can Overcome the Asian Challenge*. New York, NY: Norton & Company.
- Seliger, Bernhard. 2000. "The German Manufacturing Industry Faces Globalization: Old Achievements, New Challenges." *Global Economic Review* 29 (2):48–64. doi: 10.1080/12265080008449787.
- SGL. 2013. "Company History." [http://www.sgl-rotec.com/cms/international/company/history/index.html?\\_\\_locale=en](http://www.sgl-rotec.com/cms/international/company/history/index.html?__locale=en).
- Shah, Vishal, and Jake Greenblatt. 2010. *Solar Energy Handbook*. New York, NY: Barclays Capital.
- Shrimali, Gireesh, Steffen Jenner, Felix Groba, Gabriel Chan, and Joe Indvik. 2012. *Have State Renewable Portfolio Standards Really Worked?* Berlin: German Institute for Economic Research.
- Siegfriedsen, Sönke. 2008. *25 Jahre Aerodyn—Den Wind der Welt Einfangen*. Rendsburg: Aerodyn.
- Simon, Denis Fred, and Cong Cao. 2009. *China's Emerging Technological Edge: Assessing the Role of High-End Talent*. Cambridge: Cambridge University Press.
- Sivaram, Varun, Colin Cunliff, David Hart, Julio Friedman, and David Sandalow. 2020. *Energizing America: A Roadmap to Launch a National Energy Innovation Mission*. New York, NY: Columbia University SIPA Center on Global Energy Polic.
- Solar Energy Industries Association. 2014. *The Case for the Solar Investment Tax Credit*. Washington, DC: SEIA.
- Solar Energy Industries Association. 2017. "Solar Industry Expects Loss of 88,000 Jobs in U.S. Next Year if Government Rules in Company's Favor in Trade Case." <http://www.seia.org/news/solar-industry-expects-loss-88000-jobs-us-next-year-if-government-rules-company-s-favor-trade>.
- Solow, Robert M. 1956. "A Contribution to the Theory of Economic Growth." *Quarterly Journal of Economics* 70 (1):65–94. doi: 10.2307/1884513.
- Sozialdemokratische Partei Deutschlands, and Bündnis 90/Die Grünen. 1998. *Aubruch Und Erneuerung—Deutschlands Weg Ins 21. Jahrhundert. Koalitionsvereinbarung Zwischen Der Sozialdemokratischen Partei Deutschlands Und Bündnis 90/Die Grünen*. SPD: Bonn.
- Spada, Alfred. 2010. "U.S. Metalcasting for Wind Energy." Wind Power Manufacturing & Supply Chain Summit, Chicago, IL.
- Stafford, Ned. 2010. "Solar Storms." *Chemistry World*, June, 54–57.
- State Council. 2006. "Medium- and Long-Term Strategic Plan for the Development of Science and Technology [国家中长期科学和技术发展规划纲要]"
- State Council. 2010. "Decision of the State Council on Accelerating the Fostering and Development of Strategic Emerging Industries [国务院关于加快培育和发展战略性新兴产业的决定]." State Council Document 2010/32.
- Steinfeld, Edward S. 2004. "China's Shallow Integration: Networked Production and the New Challenges for Late Industrialization." *World Development* 32 (11):1971–87.

- Steinfeld, Edward S. 2010. *Playing Our Game: Why China's Rise Doesn't Threaten the West*. New York, NY: Oxford University Press.
- Stokes, Donald E. 1997. *Pasteur's Quadrant: Basic Science and Technological Innovation*. Washington, DC: Brookings Institution Press.
- Stokes, Leah C. 2020. *Short Circuiting Policy: Interest Groups and the Battle over Clean Energy and Climate Policy in the American States*. Oxford: Oxford University Press.
- Stokes, Leah C., and Christopher Warshaw. 2017. "Renewable Energy Policy Design and Framing Influence Public Support in the United States." *Nature Energy* 2:17107. doi: 10.1038/nenergy.2017.107 <https://www.nature.com/articles/nenergy2017107#supplementary-information>.
- Streeck, Wolfgang. 1989. "On the Institutional Conditions of Diversified Quality Production." In *Beyond Keynesianism: The Socio-Economics of Production and Full Employment*, edited by Egon Matzner and Wolfgang Streeck, 21–61. Hants: Edward Elgar.
- Streeck, Wolfgang. 2009. *Re-Forming Capitalism: Institutional Change in the German Political Economy*. Oxford: Oxford University Press.
- Streeck, Wolfgang, and Daniel Mertens. 2010. "Politik im Defizit: Austerität als fiskalpolitisches Regime." MPIfG Discussion Paper 10/5, Cologne.
- Streeck, Wolfgang, and Kathleen Ann Thelen. 2005. *Beyond Continuity: Institutional Change in Advanced Political Economies*. Oxford: Oxford University Press.
- Stromag. 2016. "Company History." <http://www.stromag.com/unternehmen/historie.html>.
- Strum, Harvey, and Fred Strum. 1983. "Solar Energy Policy, 1952–1982." *Environmental Review: ER* 7 (2):135–54.
- Stuart, Becky. 2012. "Dupont and Yingli Sign \$100 Million PV Materials Agreement." *PV Magazine*, February 14.
- Sturgeon, Timothy J. 2002. "Modular Production Networks: A New American Model of Industrial Organization." *Industrial and Corporate Change* 11 (3):451–96.
- Sustainable Business News. 2012. "Jinkosolar Gets \$1 Billion Infusion from Chinese Development Bank." *SustainableBusiness.Com*, February 12.
- Sutherland, Dylan. 2005. "China's Science Parks: Production Bases or a Tool for Institutional Reform?" *Asia Pacific Business Review* 11 (1):83–104. doi: 10.1080/1360238052000298399.
- Swank, Duane. 2002. *Global Capital, Political Institutions, and Policy Change in Developed Welfare States*. Cambridge: Cambridge University Press.
- Swanson, Richard M. 2011. "The Story of Sun Power." In *Power for the World: The Emergence of Electricity from the Sun*, edited by Wolfgang Palz, 531–54. Singapore: Pan Stanford Publishing.
- Tacke, Franz. 2003. *Windenergie—Die Herausforderung*. Frankfurt: VDMA Verlag.
- Tan, Xiaomei, and Zhao Gang. 2009. *An Emerging Revolution: Clean Technology Research, Development and Innovation in China*. Washington, DC: World Resources Institute.
- Tang, Ziyi. 2020. "China's Next Five-Year Plan Downplays Rapid GDP Growth, Emphasizes Tech Independence." *Caixin*. <https://www.caixinglobal.com/2020-10-30/chinas-next-five-year-plan-downplays-rapid-gdp-growth-emphasizes-tech-independence-101620854.html>.
- Tassey, Gregory. 2010. "Rationales and Mechanisms for Revitalizing U.S. Manufacturing R&D Strategies." *Journal of Technology Transfer* 35 (3):283–333.

- Taylor, Zachary M. 2004. "Empirical Evidence against Varieties of Capitalism's Theory of Technological Innovation." *International Organization* 58 (3):601–31.
- Theile, Charlotte. 2012. "Ärger Unter der Sonne." *Süddeutsche Zeitung*, March 5.
- Thelen, Kathleen. 2014. *Varieties of Liberalization and the New Politics of Social Solidarity*. Cambridge: Cambridge University Press.
- Thun, Eric. 2006. *Changing Lanes in China: Foreign Direct Investment, Local Governments, and Auto Sector Development*. Cambridge: Cambridge University Press.
- Thüringer Allgemeine. 2012. "Ostbeauftragter Lobt Arbeit Von Solarvalley." July 12. <http://www.thueringer-allgemeine.de/web/zgt/wirtschaft/detail/-/specific/Ostbeauftragter-lobt-Arbeit-von-Solarvalley-881367561>.
- Tianjin Yearbook* [天津年鉴]. 2010. Tianjin: Tianjin Yearbook Publishing [天津年鉴社编辑出版发行].
- Tibken, Shara. 2012. "Applied Materials Trims Solar Business." *Wall Street Journal*, May 10.
- Traufetter, Gerald. 2013. "Wirtschaftsminister Rösler im Silicon Valley: Philipp Was Here." *Spiegel*, May 22.
- Trina Solar. 2008. "Annual Report 2008—Form 20-F."
- Trina Solar. 2010. "Annual Report 2009—Form 20-F."
- Trina Solar. 2012. "Annual Report 2011—Form 20-F."
- Trina Solar. 2013. "Annual Report 2012—Form 20-F."
- Trina Solar. 2016. "Annual Report 2015—Form 20-F"
- Trumbull, Gunnar. 2004. *Silicon and the State: French Innovation Policy in the Internet Age*. Washington, DC: Brookings Institution Press.
- Turner, Greg. 2011. "Evergreen Solar Files for Bankruptcy, Plans Asset Sale." *Boston Herald*, August 15.
- Tushman, Michael L., and Philip Anderson. 1986. "Technological Discontinuities and Organizational Environments." *Administrative Science Quarterly* 31 (3):439–65. doi: 10.2307/2392832.
- Ulrich, Katrin. 2017. "German Exports Are Dominated by Automobiles." *Economics in Brief*, KfW Research. Frankfurt: KfW.
- UNIDO. 2020. *World Manufacturing Production: Statistics for Quarter I*. Vienna: UNIDO.
- Uriu, Robert M. 1996. *Troubled Industries: Confronting Economic Change in Japan*. Ithaca, NY: Cornell University Press.
- Urumqi Year Book* [乌鲁木齐年鉴]. 2000. Urumqi: Xinjiang People's Press [新疆人民出版社].
- Urumqi Year Book* [乌鲁木齐年鉴]. 2007. Urumqi: Xinjiang People's Press [新疆人民出版社].
- US Department of Energy. 2006. "Wind Energy Program Portfolio." <http://nrel.gov/docs/fy06osti/37937.pdf>.
- US International Trade Commission. 2011. "China: Effects of Intellectual Property Infringement and Indigenous Innovation Policies on the U.S. Economy." Investigation No. 332–519, USITC Publication 4226.
- US International Trade Commission. 2012. *Crystalline Silicon Photovoltaic Cells and Modules from China*. Washington, DC: USITC.
- US-China Energy Cooperation Program. 2014. "Ogin Wind Turbine." <http://www.uschinaecp.org/en/Members/FloDesign.aspx>.
- US-China Business Council. 2013. *China's Strategic Emerging Industries: Policy, Implementation, Challenges, and Recommendations*. Washington, DC: USCBC.

- Vasseur, Véronique, and René Kemp. 2011. "The Role of Policy in the Evolution of Technological Innovation Systems for Photovoltaic Power in Germany and the Netherlands." *International Journal of Technology, Policy, and Management* 11 (3/4):307–27.
- VDA. 2019. "Facts and Figures." <https://www.vda.de/en/services/facts-and-figures/facts-and-figures-overview.html>.
- Vensys. 2012. "Geschichte und Gegenwart." <http://www.vensys.de/energy/unternehmen/historie.php>.
- Vensys. 2017. "About Us." <http://www.vensys.de/energy-en/unternehmen/unternehmen.php>.
- Vernon, Raymond. 1966. "International Investment and International Trade in the Product Cycle." *Quarterly Journal of Economics* 80 (2):190–207.
- Vernon, Raymond. 1979. "The Product Cycle Hypothesis in a New International Environment." *Oxford Bulletin of Economics and Statistics* 41 (4):255–67.
- Vogel, David. 1995. *Trading Up: Consumer and Environmental Regulation in a Global Economy*. Cambridge, MA: Harvard University Press.
- Wade, Robert. 1990. *Governing the Market: Economic Theory and the Role of Government in East Asian Industrialization*. Princeton, NJ: Princeton University Press.
- Wade, Robert. 1996. "Globalization and Its Limits: Reports of the Death of the National Economy Are Greatly Exaggerated." In *National Diversity and Global Capitalism*, edited by Suzanne Berger and Ronald Dore, 60–88. Ithaca, NY: Cornell University Press.
- Wallace, R. L., J. I. Hanoka, A. Rohatgi, and G. Crotty. 1997. "Thin Silicon String Ribbon." *Solar Energy Materials and Solar Cells* 48 (1–4):179–86. doi: [http://dx.doi.org/10.1016/S0927-0248\(97\)00101-3](http://dx.doi.org/10.1016/S0927-0248(97)00101-3).
- Wang, Qiang. 2010. "Effective Policies for Renewable Energy—The Example of China's Wind Power—Lessons for China's Photovoltaic Power." *Renewable and Sustainable Energy Reviews* 14 (2):702–12. doi: <http://dx.doi.org/10.1016/j.rser.2009.08.013>.
- Wang, Uclia. 2011. "Dupont Buys Solar Ink Maker Innovalight." *Reuters*, July 25. <http://www.reuters.com/article/2011/07/25/idUS165538390720110725>.
- Wang, Zhengming. 2010. *The Evolution and Development of China's Wind Power Industry [中国风电产业的演化与发展]*. Zhenjiang: Jiangsu University Press.
- Wenzelmann, Felix, Gudrun Schönfeld, and Regina Dionisius. 2009. "Betriebliche Berufsausbildung: Eine Lohnende Investition für die Betriebe." *BiBB Report*. Bonn: Bundesinstitut für Berufsbildung.
- Wesoff, Eric. 2013. "Rest in Peace: The List of Deceased Solar Companies." *Greentech Media*, April 6. <https://www.greentechmedia.com/articles/read/Rest-in-Peace-The-List-of-Deceased-Solar-Companies>.
- Wessendorf, Florian. 2013. "VDMA Photovoltaik Produktionsmittel: VDMA Begrüßt Einigung im Solarhandelsstreit." <http://www.vdma.org/article/-/articleview/1989046>.
- West, Joel. 2014. "Too Little, Too Early: California's Transient Advantage in the Photovoltaic Solar Industry." *Journal of Technology Transfer* 39:1–15, 487–501. doi: 10.1007/s10961-012-9291-6.
- The White House. 2009. "Remarks by the President Challenging Americans to Lead the Global Economy in Clean Energy." Edited by Office of the Press Secretary. Washington, DC.
- Whitford, Josh. 2005. *The New Old Economy: Networks, Institutions, and the Organizational Transformation of American Manufacturing*. Oxford: Oxford University Press.

- Whitford, Josh. 2012. "Waltzing, Relational Work, and the Construction (or Not) of Collaboration in Manufacturing Industries." *Politics and Society* 40 (2):249–72. doi: 10.1177/0032329212441600.
- Whiting, Susan H. 2004. "The Cadre Evaluation System at the Grass Roots: The Paradox of Party Rule." In *Holding China Together: Diversity and National Integration in the Post-Deng Era*, edited by Barry Naughton and Dali L. Yang, 101–19. Cambridge: Cambridge University Press.
- Whiting, Susan. 2011. "Values in Land: Fiscal Pressures, Land Disputes and Justice Claims in Rural and Peri-Urban China." *Urban Studies* 48 (3):569–87. doi: 10.1177/0042098010390242.
- Whittaker, D. Hugh, Timothy Sturgeon, Toshie Okita, and Tianbiao Zhu. 2020. *Compressed Development: Time and Timing in Economic and Social Development*. Oxford: Oxford University Press.
- Wieczorek, Anna J., Rob Raven, and Frans Berkhout. 2015. "Transnational Linkages in Sustainability Experiments: A Typology and the Case of Solar Photovoltaic Energy in India." *Environmental Innovation and Societal Transitions* 17:149–65.
- Windolph, Melanie. 2010. Innovationskooperationen 2010—Mit Kooperativen Projekten Ideen Erfolgreich Umsetzen. *Schriftenreihe der Professur für Unternehmensrechnung und Controlling*, edited by Klaus Möller. Göttingen: Universität Göttingen.
- WindGuard. 2007. "Evaluierung Des 4. Energieforschungsprogramms Erneuerbare Energien." Berlin: Progos AG.
- Windpower Monthly. 1997. "American Giant Moves into European Market." November.
- Windpower Monthly. 2005a. "A More Conservative Approach." November.
- Windpower Monthly. 2005b. "Who Supplies to Whom—Wind Industry Gearboxes and Bearings." November.
- Windpower Monthly. 2006. "Gearbox Supply in Asia and Europe Expands—Wind Power Now an Industry Worth Making Investments For." October.
- Windpower Monthly. 2008. "China Gearbox Factory Orders 5000 High Capacity Bearings." September.
- Winston & Strawn LLP. 2012. "Complaint for Violations of §§ 1&2 of the Sherman Antitrust Act, the California Unfair Practices Act, the Cartwright Act, and for Tortious Interference." Oakland, CA: United States District Court Northern District of California.
- Wiser, Ryan. 2017. *2017 Wind Technologies Market Report*. Washington, DC: U.S. Department of Energy.
- Wiser, Ryan, and Mark Bolinger. 2008. *Annual Report on U.S. Wind Power Installation, Cost, and Performance Trends: 2007*. Washington, DC: Department of Energy.
- Wiser, Ryan, Mark Bolinger, and Galen Barbose. 2007. "Using the Federal Production Tax Credit to Build a Durable Market for Wind Power in the United States." *The Electricity Journal* 20 (9):77–88. doi: <http://dx.doi.org/10.1016/j.tej.2007.10.002>.
- Wiser, Ryan, Mark Bollinger, Galen Barbose, Kathy Belyeu, Maureen Hand, Donna Heimiller, Debra Lew, Michael Milligan, Andrew Mills, Alejandro Moreno, Walt Musial, Ric O'Connell, Kevin Porter, and Zack Subin. 2008. *Annual Report on U.S. Wind Power Installation, Cost, and Performance Trends: 2006*. Washington, DC: Department of Energy.
- Wittenberg, Jason. 2015. "Conceptualizing Historical Legacies." *East European Politics and Societies* 29 (2):366–78. doi: 10.1177/0888325415577864.

- Wolman, Paul. 2007. "The New Deal for Electricity in the United States, 1930–1950." In *The Challenge of Rural Electrification: Strategies for Developing Countries*, edited by Douglas F. Barnes, 259–92. Washington, DC: RFF Press.
- Wong, Edward. 2015. "China Blocks Web Access to 'Under the Dome' Documentary on Pollution." *New York Times*, March 7, Section A, Page 6.
- World Bank. 1993. *The East Asian Miracle: Economic Growth and Public Policy*. Washington, DC: World Bank.
- Wübbecke, Jost, Mirjam Meissner, Max J. Zenglein, Jacqueline Ives, and Björn Conrad. 2016. *Made in China 2025: The Making of a High-Tech Superpower and Consequences for Industrial Countries*. Berlin: Merics.
- Wuxi Yearbook [无锡年检]. 2003. Shanghai: Pudong Electronic Press [浦东电子出版社].
- Wuxi Yearbook [无锡年检]. 2006. Beijing: Gazetteer Press [方志出版社].
- Wuxi Yearbook [无锡年检]. 2008. Beijing: Gazetteer Press [方志出版社].
- Yang, Yung kai. 2006. *The Taiwanese Notebook Computer Production Network in China: Implication for Upgrading of the Chinese Electronics Industry*. Personal Computing Industry Center, University of California, Irvine.
- Yeh, Emily T., and Johanna I. Lewis. 2004. "State Power and the Logic of Reform in China's Electricity Sector." *Pacific Affairs* 77 (3):437–65.
- Yingli Green Energy Holding Company Limited. 2008. "Annual Report for Fiscal Year Ending 12/31/2007—Form 20-F"
- Yudken, Joel S. 2010. *Manufacturing Insecurity: America's Manufacturing Crisis and the Erosion of the U.S. Defense Industrial Base*. Washington, DC: Industrial Union Council, AFL-CIO.
- Zademach, Hans-Martin, and Christian Baumeister. 2013. "Wagniskapital Und Entrepreneurship: Grundlagen, Empirische Befunde, Entwicklungstrends." In *Wertschöpfungskompetenz Und Unternehmertum. Rahmenbedingungen für Entrepreneurship und Innovation in Regionen*, edited by H. Pecklaner, B.C. Doepfer, and S. Märk, 122–42. Berlin: Gabler.
- Zaleski, Andrew. 2019. "Battery Start-Ups Are Raising Millions in the Battle to Crush Tesla." *CNBC*, March 17. <https://www.cnbc.com/2019/03/15/battery-start-ups-are-raising-millions-in-the-battle-to-crush-tesla.html>.
- Zhang, Kevin. 2006. *China as a World Factory*. New York: Routledge.
- Zhang, Sufang, Philip Andrews-Speed, and Meiyun Ji. 2014. "The Erratic Path of the Low-Carbon Transition in China: Evolution of Solar PV Policy." *Energy Policy* 67:903–12. doi: <http://dx.doi.org/10.1016/j.enpol.2013.12.063>.
- Zhang, Xiliang, Shiyang Chang, Molin Huo, and Ruoshui Wang. 2009. "China's Wind Industry: Policy Lessons for Domestic Government Interventions and International Support." *Climate Policy* 9 (5):553–64. doi: 10.3763/cpol.2009.0641.
- Zhao, Pengjun. 2011. "Managing Urban Growth in a Transforming China: Evidence from Beijing." *Land Use Policy* 28 (1):96–109. doi: <http://dx.doi.org/10.1016/j.landusepol.2010.05.004>.
- Zhao, Xin-gang, Guan Wan, and Yahui Yang. 2015. "The Turning Point of Solar Photovoltaic Industry in China: Will It Come?" *Renewable and Sustainable Energy Reviews* 41:178–88. doi: <http://dx.doi.org/10.1016/j.rser.2014.08.045>.
- Zhao, Zhen Yu, Jian Zuo, Tian Tian Feng, and George Zillante. 2011. "International Cooperation on Renewable Energy Development in China: A Critical Analysis." *Renewable Energy* 36 (3):1105–10.



- Zhi, Qiang, and Margaret M. Pearson. 2017. "China's Hybrid Adaptive Bureaucracy: The Case of the 863 Program for Science and Technology." *Governance* 30 (3):407–24.
- Zimmermann, Volker, and Christoph Hofmann. 2007. "Schaffen Innovative Gründungen Mehr Arbeitsplätze?" *Zeitschrift für KMU und Entrepreneurship* 55 (1):48–70.
- Zysman, John, and Mark Huberty. 2013. *Can Green Sustain Growth?* Stanford, CA: Stanford University Press, xi–58.
- Zysman, John, and Abraham Newman. 2006. "Frameworks for Understanding the Political Economy of the Digital Era." In *How Revolutionary Was the Digital Revolution? National Responses, Market Transitions, and Global Technology*, edited by John Zysman and Abraham Newman, 3–22. Stanford: Stanford University Press.