**CDMC Publications by year**

[*Journals*](#Journals)*,* [*Conference Proceedings*](#CP)*,* [*Book Chapters*](#Book)*,* [*Reports*](#Reports)*,* [*Theses*](#Theses)

**Journals**

**1999**

1. McDaniels, T. L., Gregory, R. S., & Fields, D. (1999). Democratizing risk management: Successful public involvement in local water management decisions. Risk analysis, 19(3), 497-510.

**2001**

1. Gregory, R., McDaniels, T., & Fields, D. (2001). Decision aiding, not dispute resolution: A new perspective for environmental negotiation. *Journal of Policy Analysis and Management*, 20(3), 415-432.
2. Keeney, R. L., & McDaniels, T. L. (2001). A framework to guide thinking and analysis regarding climate change policies. *Risk Analysis*, *21*(6), 989-1000.

**2003**

1. McDaniels, T. L., Gregory, R., Arvai, J., & Chuenpagdee, R. (2003). Decision structuring to alleviate embedding in environmental valuation. *Ecological Economics*, 46(1), 33-46.

**2004**

1. Boyle, M., Gibson, R. B., & Curran, D. (2004). If not here, then perhaps not anywhere: urban growth management as a tool for sustainability planning in British Columbia's capital regional district. *Local Environment*, *9*(1), 21-43.
2. Dowlatabadi, H., Boyle, M., Kandlikar, M., & Rowley, S., (2004) Learning from History: Lessons for cumulative effects assessment and planning. *Meridian*, Fall/Winter, 6-12.
3. Johnson, T. L., & Keith, D. W. (2004). Fossil electricity and CO2 sequestration: how natural gas prices, initial conditions and retrofits determine the cost of controlling CO2 emissions. *Energy Policy*, *32*(3), 367-382.
4. Keith, D. W., DeCarolis, J. F., Denkenberger, D. C., Lenschow, D. H., Malyshev, S. L., Pacala, S., & Rasch, P. J. (2004). The influence of large-scale wind power on global climate. *Proceedings of the National Academy of Sciences*, *101*(46), 16115-16120.
5. Mastrandrea, M. D., & Schneider, S. H. (2004). Probabilistic integrated assessment of" dangerous" climate change. *Science*, *304*(5670), 571-575.
6. McDaniels, T. and R. Gregory, (2004). Learning as an objective within structured decision processes for managing environmental risks,” *Environmental Science and Technology,* 38, 7, 1921-1926.
7. Palmgren, C. R., Morgan, M. G., Bruine de Bruin, W., & Keith, D. W. (2004). Initial public perceptions of deep geological and oceanic disposal of carbon dioxide.
8. Zickfeld, K., Slawig, T., & Rahmstorf, S. (2004). A low-order model for the response of the Atlantic thermohaline circulation to climate change. *Ocean Dynamics*, *54*(1), 8-26.

**2005**

1. Apt, J. (2005). Competition has not lowered US industrial electricity prices. *The Electricity Journal*, *18*(2), 52-61.
2. DeCarolis, J. F., & Keith, D. W. (2005). The costs of wind's variability: is there a threshold?. *The Electricity Journal*, *18*(1), 69-77.
3. Gregory, R., Fischhoff, B., & McDaniels, T. (2005). Acceptable input: using decision analysis to guide public policy deliberations. *Decision Analysis*, *2*(1), 4-16.
4. Hamouda, L., Hipel, K. W., Kilgour, D. M., Noakes, D. J., Fang, L., & McDaniels, T. (2005). The salmon aquaculture conflict in British Columbia: a graph model analysis. *Ocean & coastal management*, *48*(7-8), 571-587.
5. Keith, D. W., Giardina, J. A., Morgan, M. G., & Wilson, E. J. (2005). Regulating the underground injection of CO2. *Environmental Science & Technology*, 499A-504A
6. Keith, D. W., Hassanzadeh, H., & Pooladi-Darvish, M. (2005). Reservoir engineering to accelerate dissolution of stored CO2 in brines. In *Greenhouse Gas Control Technologies 7* (pp. 2163-2167). Elsevier Science Ltd.
7. McDaniels, T. L., Dowlatabadi, H., & Stevens, S. (2005). Multiple scales and regulatory gaps in environmental change: the case of salmon aquaculture. *Global Environmental Change*, *15*(1), 9-21.
8. McDaniels, T., & Trousdale, W. (2005). Evaluating Losses of Traditional Native Values with Multi-attribute Value Assessment. *Ecological Economics*, 55(2), pp. 173-186.
9. Rahmstorf, S., & Zickfeld, K. (2005). Thermohaline circulation changes: a question of risk assessment. *Climatic Change*, *68*(1-2), 241-247.
10. Stolaroff, J. K., Lowry, G. V., & Keith, D. W. (2005). Using CaO-and MgO-rich industrial waste streams for carbon sequestration. *Energy Conversion and Management*, *46*(5), 687-699.

**2006**

1. Apt, J., & Fischhoff, B. (2006). Power and people. *The Electricity Journal*, *19*(9), 17-25.
2. Apt, J., Lave, L. B., & Morgan, M. G. (2006). Power play: A more reliable US electric system. *Issues in Science and Technology*, *22*(4), 51-58.
3. Chang, S., T. McDaniels, H. Longstaff, & S. Wilmot, (2006) Fostering Disaster Resilience Through Addressing Infrastructure Interdependencies. *Plan Canada*, 46, 33-36
4. DeCarolis, J. F., & Keith, D. W. (2006). The economics of large-scale wind power in a carbon constrained world. *Energy Policy*, *34*(4), 395-410.
5. Dowlatabadi, H. & M. Oravetz, (2006). Understanding Trends in Energy Intensity: A simple model of technical change. *Energy Policy,* 34(17).
6. Dowlatabadi, H., (2006). A Peek Past Peak Oil. *UBC Reports*, 52(4)
7. Farrell, A. E., & Brandt, A. R. (2006). Risks of the oil transition. *Environmental Research Letters*, *1*(1), 014004.
8. Farrell, A. E., Plevin, R. J., Turner, B. T., Jones, A. D., O'hare, M., & Kammen, D. M. (2006). Ethanol can contribute to energy and environmental goals. *Science*, *311*(5760), 506-508.
9. Gerwing, K., & McDaniels, T. (2006). Listening to the salmon people: coastal First Nations' objectives regarding salmon aquaculture in British Columbia. *Society and Natural Resources*, *19*(3), 259-273.
10. Lave, L. B., & Apt, J. (2006). Planning for natural disasters in a stochastic world. *Journal of Risk and uncertainty*, *33*(1), 117-130.
11. McDaniels, T. L., Keen, P. L., & Dowlatabadi, H. (2006). Expert judgments regarding risks associated with salmon aquaculture practices in British Columbia. *Journal of Risk Research*, *9*(7), 775-800.
12. McDaniels, T., Longstaff, H., & Dowlatabadi, H. (2006). A value-based framework for risk management decisions involving multiple scales: a salmon aquaculture example. *Environmental science & policy*, *9*(5), 423-438.
13. Morgan, M. G., Adams, P. J., & Keith, D. W. (2006). Elicitation of expert judgments of aerosol forcing. *Climatic Change*, *75*(1), 195-214.
14. Shepherd, P., Tansey, J., & Dowlatabadi, H. (2006). Context matters: What shapes adaptation to water stress in the Okanagan?. *Climatic Change*, *78*(1), 31-62.
15. Stolaroff, J.K., D.W. Keith, and G.V. Lowry. (2006). A Pilot-Scale Prototype Contactor for CO2 Capture from Ambient Air: Cost and energy requirements, *Environmental Science & Pollution Research*, 13(6).

**2007**

1. Apt, J. (2007). The spectrum of power from wind turbines. *Journal of Power Sources*, *169*(2), 369-374.
2. Apt, J., Keith, D. W., & Morgan, M. G. (2007). Promoting low-carbon electricity production. *Issues in Science and Technology*, *23*(3), 37-43.
3. Azevedo, I.L., S. Attari, B. Flath, & C. Samaras, (2007). An Open Letter to the 2008 Presidential Candidates on Energy and Sustainability Issues. *USA Today*, November 20.
4. Bergerson, J. A., & Lave, L. B. (2007). Baseload coal investment decisions under uncertain carbon legislation.
5. Dowlatabadi, H. (2007). On integration of policies for climate and global change. *Mitigation and Adaptation Strategies for Global Change*, *12*(5), 651-663.
6. Hanova, J., & Dowlatabadi, H. (2007). Strategic GHG reduction through the use of ground source heat pump technology. *Environmental Research Letters*, *2*(4), 044001.
7. Hanova, J., Dowlatabadi, H., & Mueller, L. (2007). Ground Source Heat Pump Systems in Canada. *Resources for the Future*.
8. Klinsky, S. (2007). Mapping emergence: network analysis of climate change media coverage. *Integrated Assessment*, *7*(1).
9. Kunreuther, H. C., & Michel-Kerjan, E. O. (2007). Climate change, insurability of large-scale disasters and the emerging liability challenge (No. w12821). *National Bureau of Economic Research.*
10. Mazzi, E. A., & Dowlatabadi, H. (2007). Air quality impacts of climate mitigation: UK policy and passenger vehicle choice. *Environmental Science & Technology*, 41, pp. 387-392.
11. Mazzi, E., & Dowlatabadi, H. (2007). Mortality and Morbidity from Climate Policy-Accelerated Diesel Car Sales in the UK. *Environmental Science & Technology*
12. McDaniels, T., Chang, S., Peterson, K., Mikawoz, J., & Reed, D. (2007). Empirical framework for characterizing infrastructure failure interdependencies. *Journal of Infrastructure Systems*, *13*(3), 175-184.
13. Morgan, M. G. (2007). Moving to a low-carbon future: Perspectives on nuclear and alternative power sources. *Health physics*, *93*(5), 568-570.
14. Patiño-Echeverri, D., Morel, B., Apt, J., & Chen, C. (2007). Should a coal-fired power plant be replaced or retrofitted?. *Environmental Science & Technology*, 41(23), pp. 7980-7986
15. Reinelt, P. S., & Keith, D. W. (2007). Carbon capture retrofits and the cost of regulatory uncertainty. *The Energy Journal*, *28*(4).
16. Wilson*,* C*.* and T. McDaniels (2007). Linking Climate Change Adaptation, Mitigation and Sustainable Development through Structured Decision-making Tools. *Climate Policy.* Special issue linking adaptation and mitigation, 7.4.
17. Wilson, C., & Dowlatabadi, H. (2007). Models of decision making and residential energy use. *Annu. Rev. Environ. Resour.*, *32*, 169-203.
18. Wilson, C., & McDaniels, T. (2007). Structured decision-making to link climate change and sustainable development. *Climate Policy*, *7*(4), 353-370.
19. Zerriffi, H., Dowlatabadi, H., & Farrell, A. (2007). Incorporating stress in electric power systems reliability models. *Energy Policy*, *35*(1), 61-75.
20. Zickfeld, K., Levermann, A., Morgan, M. G., Kuhlbrodt, T., Rahmstorf, S., & Keith, D. W. (2007). Expert judgements on the response of the Atlantic meridional overturning circulation to climate change. *Climatic Change*, *82*(3), 235-265.

**2008**

1. Barradale, M. J. (2008). Impact of policy uncertainty on renewable energy investment: wind power and PTC. *United States Association for Energy Economists WP*, 08-003.
2. Bornik, Z. B., & Dowlatabadi, H. (2008). Genomics in Cyprus: Challenging the social norms. *Technology in Society*, *30*(1), 84-93.
3. Chang, S. E., McDaniels, T., Fox, J., Dhariwal, R., & Longstaff, H. (2008). Towards Disaster-resilient Cities: Characterizing vulnerability of infrastructure systems. *Journal of the American Planning Association*
4. Curtright, A. E., & Apt, J. (2008). The character of power output from utility‐scale photovoltaic systems. *Progress in Photovoltaics: Research and Applications*, *16*(3), 241-247.
5. Curtright, A. E., Morgan, M. G., & Keith, D. W. (2008). Expert assessments of future photovoltaic technologies. Environmental Science and Technology, 42(24), 9031-9038
6. Dowlatabadi, H., & Cook, C. (2008). Climate risk management & institutional learning. *Integrated Assessment*, *8*(1), 151-163.
7. Galland, D., & McDaniels, T. (2008). Are new industry policies precautionary? The case of salmon aquaculture siting policy in British Columbia. *environmental science & policy*, *11*(6), 517-532.
8. Lemoine, D. M., Kammen, D. M., & Farrell, A. E. (2008). An innovation and policy agenda for commercially competitive plug-in hybrid electric vehicles. *Environmental Research Letters*, *3*(1), 014003.
9. Lenton, T. M., Held, H., Kriegler, E., Hall, J. W., Lucht, W., Rahmstorf, S., & Schellnhuber, H. J. (2008). Tipping elements in the Earth's climate system. *Proceedings of the national Academy of Sciences*, *105*(6), 1786-1793.
10. Mastrandrea, M.D., & Schneider, S.H. (2008). The Rising Tide: Time to adapt to climate change. *The Boston Review Special Report*, 33(6), November/December. 7-10.
11. McDaniels, T., Chang, S., Cole, D., Mikawoz, J., & Longstaff, H. (2008). Fostering resilience to extreme events within infrastructure systems: Characterizing decision contexts for mitigation and adaptation. *Global Environmental Change*, *18*(2), 310-318.
12. Michel-Kerjan, E., & Morlaye, F. (2008). Extreme events, global warming, and insurance-linked securities: How to trigger the “tipping point”. *The Geneva Papers on Risk and Insurance-Issues and Practice*, *33*(1), 153-176.
13. Mills, T., Blackwell, B., McDaniels, T., Gregory, R., & Ohlson, D. (2008) Mountain Pine Beetles and Climate Change: Using expert perspectives for structured decision-making in forest policy. *Forest Professional Magazine*, May-June.
14. Morgan, M. G., & Keith, D. W. (2008). Improving the way we think about projecting future energy use and emissions of carbon dioxide. *Climatic Change*, *90*(3), 189-215.
15. Newcomer, A., & Apt, J. (2008). Implications of generator siting for CO2 pipeline infrastructure. *Energy Policy*, *36*(5), 1776-1787.
16. Newcomer, A., Blumsack, S. A., Apt, J., Lave, L. B., & Morgan, M. G. (2008). Short run effects of a price on carbon dioxide emissions from US electric generators.
17. Samaras, C., & Meisterling, K. (2008). Life cycle assessment of greenhouse gas emissions from plug-in hybrid vehicles: implications for policy. *Environmental Science & Technology*, 42(9), pp. 3170-3176
18. Stephens, J. C., & Keith, D. W. (2008). Assessing geochemical carbon management. *Climatic Change*, *90*(3), 217-242.
19. Stolaroff, J. K., Keith, D. W., & Lowry, G. V. (2008). Carbon dioxide capture from atmospheric air using sodium hydroxide spray. *Environmental science & technology*, *42*(8), 2728-2735.
20. Walawalkar, R., Blumsack, S., Apt, J., & Fernands, S. (2008). An economic welfare analysis of demand response in the PJM electricity market. *Energy Policy*, *36*(10), 3692-3702.
21. Wilson, E. J., Morgan, M. G., Apt, J., Bonner, M., Bunting, C., Gode, J., ... & Wright, I. W. (2008). Regulating the geological sequestration of CO2. *Environmental Science & Technology*, 42(8), pp. 2718-2722

**2009**

1. Grossmann, I. (2009). Atlantic hurricane risks: preparing for the plausible. *Environmental Science & Technology*, 43(20), 7604–7608
2. Grossmann, I., & Klotzbach, P. J. (2009). A review of North Atlantic modes of natural variability and their driving mechanisms. *Journal of Geophysical Research: Atmospheres*, *114*(D24).
3. Grossmann, W. D., Steininger, K., Grossmann, I., & Magaard, L. (2009). Indicators on economic risk from global climate change. *Environmental science & technology*, *43*(16), 6421-6426.
4. Held, H., Kriegler, E., Lessmann, K., & Edenhofer, O. (2009). Efficient climate policies under technology and climate uncertainty. *Energy Economics*, *31*, S50-S61.
5. Jaramillo, P., Samaras, C., Wakeley, H., & Meisterling, K. (2009). Greenhouse gas implications of using coal for transportation: Life cycle assessment of coal-to-liquids, plug-in hybrids, and hydrogen pathways. *Energy Policy*, *37*(7), 2689-2695.
6. Klinsky, S., & Dowlatabadi, H. (2009). Conceptualizations of justice in climate policy. *Climate Policy*, *9*(1), 88-108.
7. Kriegler, E. (2009). Updating under unknown unknowns: An extension of Bayes’ rule. *International journal of approximate reasoning*, *50*(4), 583-596.
8. Kunreuther, H. C., & Michel-Kerjan, E. (2009). *Long Term Insurance and Climate Change*. Working Paper # 2009-03-13, Wharton Risk Management and Decision Processes Center, University of Pennsylvania.
9. Meisterling, K., Samaras, C., & Schweizer, V. (2009). Decisions to reduce greenhouse gases from agriculture and product transport: LCA case study of organic and conventional wheat. *Journal of cleaner production*, *17*(2), 222-230.
10. Morgan, M. G. (2009). *Best Practice Approaches for Characterizing, Communicating and Incorporating Scientific Uncertainty in Climate Decision Making: Synthesis and Assessment Product 5.2 Report* (Vol. 5). US Climate Change Science Program.
11. Newcomer, A., & Apt, J. (2009). Near-term implications of a ban on new coal-fired power plants in the United States. *Environmental Science & Technology*, 43(11), 3995-4001
12. Patiño-Echeverri, D., Fischbeck, P., & Kriegler, E. (2009). Economic and environmental costs of regulatory uncertainty for coal-fired power plants. *Environmental Science & Technology*, 43(3), pp. 578-584
13. Smith, J. B., Schneider, S. H., Oppenheimer, M., Yohe, G. W., Hare, W., Mastrandrea, M. D., ... & van Ypersele, J. P. (2009). Assessing dangerous climate change through an update of the Intergovernmental Panel on Climate Change (IPCC)“reasons for concern”. *Proceedings of the national Academy of Sciences*, *106*(11), 4133-4137.
14. Victor, D. G., Morgan, M. G., Apt, J., & Steinbruner, J. (2009). The geoengineering option-a last resort against global warming. *Foreign Aff.*, *88*, 64.
15. Weber, C. L., Jaramillo, P., Marriott, J., & Samaras, C. (2009). Uncertainty and variability in accounting for grid electricity in life cycle assessment. In *2009 IEEE International Symposium on Sustainable Systems and Technology* (pp. 1-8). IEEE.

**2010**

1. Fleishman, L. A., De Bruin, W. B., & Morgan, M. G. (2010). Informed public preferences for electricity portfolios with CCS and other low‐carbon technologies. *Risk Analysis: An International Journal*, *30*(9), 1399-1410.
2. Gresham, R. L., McCoy, S. T., Apt, J., & Morgan, M. G. (2010). Implications of compensating property owners for geologic sequestration of CO2. *Environ. Sci. Technol.*, *44* (8), pp 2897–2903.
3. Hagerman, S. M., Dowlatabadi, H., & Satterfield, T. (2010). Observations on drivers and dynamics of environmental policy change: Insights from 150 years of forest management in British Columbia. *Ecology and Society*, *15*(1).
4. Hagerman, S., Dowlatabadi, H., Chan, K. M., & Satterfield, T. (2010). Integrative propositions for adapting conservation policy to the impacts of climate change. *Global Environmental Change*, *20*(2), 351-362.
5. Hagerman, S., Dowlatabadi, H., Satterfield, T., & McDaniels, T. (2010). Expert views on biodiversity conservation in an era of climate change. *Global environmental change*, *20*(1), 192-207.
6. Hagerman, S.M., Satterfield, T.S., & Dowlatabadi, H. (2010). Adapting Conservation Policy to the Impacts of Climate Change: Promotion, ambivalence and resistance at the WCC. *Conservation and Society*, *8*, 298-311.
7. Hoppock, D. C., & Patiño-Echeverri, D. (2010). Cost of wind energy: comparing distant wind resources to local resources in the Midwestern United States. *Environmental science & technology*, *44*(22), 8758-8765.
8. Jacob, C., McDaniels, T., & Hinch, S. (2010). Indigenous culture and adaptation to climate change: sockeye salmon and the St’át’imc people. *Mitigation and Adaptation Strategies for Global Change*, *15*(8), 859-876.
9. Keith, D. W. (2010). Photophoretic levitation of engineered aerosols for geoengineering. *Proceedings of the National Academy of Sciences*, *107*(38), 16428-16431.
10. Keith, D. W., Parson, E., & Morgan, M. G. (2010). Research on global sun block needed now. *Nature*, *463*(7280), 426-427.
11. McDaniels, T., Wilmot, S., Healey, M., & Hinch, S. (2010). Vulnerability of Fraser River sockeye salmon to climate change: A life cycle perspective using expert judgments. *Journal of Environmental Management*, *91*(12), 2771-2780.
12. Michel‐Kerjan, E. O., & Kousky, C. (2010). Come rain or shine: Evidence on flood insurance purchases in Florida. *Journal of Risk and Insurance*, *77*(2), 369-397.
13. Reynolds, T. W., Bostrom, A., Read, D., & Morgan, M. G. (2010). Now what do people know about global climate change? Survey studies of educated laypeople. *Risk Analysis: An International Journal*, *30*(10), 1520-1538.
14. Ricke, K. L., Morgan, M. G., & Allen, M. R. (2010). Regional climate response to solar-radiation management. *Nature Geoscience*, *3*(8), 537-541.

**2011**

1. Fleishman, L.A., Bruine de Bruin, W., & Morgan, M.G. (2011) The value of CCS public opinion research: A letter in response to Malone, Dooley and Bradbury, (2010) “Moving from misinformation derived from public attitude surveys on carbon dioxide capture and storage towards realistic stakeholder involvement,” *International Journal of Greenhouse Gas Control*
2. Grossmann, I., & Morgan, M. G. (2011). Tropical cyclones, climate change, and scientific uncertainty: what do we know, what does it mean, and what should be done?. *Climatic Change*, *108*(3), 543-579.
3. Klima, K., Morgan, M. G., Grossmann, I., & Emanuel, K. (2011). Does it make sense to modify tropical cyclones? A decision-analytic assessment. *Environmental Science and Technology*, 45 (10), 4242-4248.
4. Mitchell, A. L., & Casman, E. A. (2011). Economic incentives and regulatory framework for shale gas well site reclamation in Pennsylvania. *Environmental science & technology*, *45*(22), 9506-9514.
5. Moreno-Cruz, J. B., Ricke, K. L., & Keith, D. W. (2011). A simple model to account for regional inequalities in the effectiveness of solar radiation management. *Climatic change*, *110*(3), 649-668.
6. Mullins, K. A., Griffin, W. M., & Matthews, H. S. (2011). Policy implications of uncertainty in modeled life-cycle greenhouse gas emissions of biofuels.
7. Schwietzke, S., Griffin, W. M., & Matthews, H. S. (2011). Relevance of emissions timing in biofuel greenhouse gases and climate impacts. *Environmental science & technology*, *45*(19), 8197-8203.
8. Wagner, S. J. &. Rubin, E.S. (2011). Economic Implications of Thermal Energy Storage for Concentrated Solar Thermal Power, *Proceedings of the World Renewable Energy Congress*, Linköping, Sweden, May 8-13.

**2012**

1. Klima, K., Bruine de Bruin, W., Morgan, M. G., & Grossmann, I. (2012). Public perceptions of hurricane modification. *Risk Analysis: an international journal*, *32*(7), 1194-1206.
2. Klima, K., Lin, N., Emanuel, K., Morgan, M. G., & Grossmann, I. (2012). Hurricane modification and adaptation in Miami-Dade county, Florida. *Environmental science & technology*, *46*(2), 636-642.
3. McDaniels, T., Mills, D. Ohlson and R. Gregory. (2012) Exploring robust alternatives for climate adaptation in forest-land management through expert judgments. *Risk Analysis*, December, 32 (12). 2098-2112.
4. Patiño-Echeverri, D., & Hoppock, D. C. (2012). Reducing the energy penalty costs of postcombustion CCS systems with amine-storage. *Environmental science & technology*, *46*(2), 1243-1252.

**Conference Proceedings**

**2004**

1. Rubin, E.S., D.W. Keith, and C.F. Gilboy, (2004). Volume I: Peer-Reviewed Papers and Plenary Presentations. *Proceedings of 7th International Conference on Greenhouse Gas Control Technologies*. Elsevier.
2. Keith, D.W., Hassanzadeh, H., Pooladi-Darvish, M., (2004). Reservoir Engineering to Accelerate Dissolution of Stored CO2 in Brines. *7th International Conference on Greenhouse Gas Control Technologies*, Elsevier

**2006**

1. Azevedo, I.L., (2006). Electricity Prices and Residential Electricity Consumption: A U.S./EU comparison. *Proceedings of the USAEE/IAEE North American Conference: Energy in a world of changing costs and technologies.* Ann Arbor, USA
2. Samaras, C. (2006). Learning from wind: A framework for effective low-carbon energy diffusion. In *World Renewable Energy Congress* (pp. 19-25). Elsevier. World Renewable Energy Congress, Florence, Italy.
3. Samaras, C. (2006). Technical Change and Public Policies Affecting Wind Power's Past, Present, and Future. In *American Wind Energy Association Windpower 2006 Conference* (pp. 4-7).
4. Stolaroff, J., Keith, D., & Lowry, G. (2006). A pilot-scale prototype contactor for CO2 capture from ambient air: cost and energy requirements. In *Proc. GHGT-8, the 8th Int. Conf. on Greenhouse Gas Control Technologies*. Trondheim, Norway.

**2007**

1. Azevedo, I. M. L. (2007). Energy efficiency and conservation: Is solid state lighting a bright idea?. *ECEEE 2007 Summer Study*, 1227-1236. La Colle sur Loup, France.
2. Kriegler, E. (2007). Updating and testing beliefs: An open version of Bayes’ rule. *5th International Symposium on Imprecise Probability: Theories and Applications* (pp. 271-280)

**2008**

1. Azevedo, I.L., Samaras, C., and Gilmore, E.A. (2008). Better Cars or Better Appliances? Evaluating the Cost Effectiveness of U.S. Household Carbon Mitigation Strategies. *USAEE/IAEE North American Conference*. New Orleans, LA, December 3-5.
2. Blumsack, S., Samaras, C., & Hines, P. (2008). Long-term electric system investments to support plug-in hybrid electric vehicles. Proceedings of *2008 IEEE Power and Energy Society General Meeting-Conversion and Delivery of Electrical Energy in the 21st Century.* Pittsburgh., PA.
3. Cavalier, R., Attari, S., Dawson, T., & Schweizer, V. (2008). A Deliberative Poll On Climate Change. In UNITAR-Yale Conference on Environmental Governance and Democracy: Institutions, Public Participation, New Haven, CT., May (pp. 10-11).
4. Hauffe, R., Samaras, C., & Michalek, J. J. (2008). Plug-in hybrid vehicle simulation: How battery weight and charging patterns impact cost, fuel consumption, and CO2 emissions. In *International Design Engineering Technical Conferences and Computers and Information in Engineering Conference* (Vol. 43253, pp. 969-976). New York, NY.
5. Newcomer, A., Blumsack, S., Apt, J., Lave, L. B., & Morgan, M. G. (2008). Electricity load and carbon dioxide emissions: effects of a carbon price in the short term. In *Proceedings of the 41st Annual Hawaii International Conference on System Sciences (HICSS 2008)* (pp. 179-179). IEEE.
6. Schweizer, V. (2008). US Delivered Electric Energy Intensity: Are 20-Year Trends Sustainable?. In *Unveiling the Future of Energy Frontiers, 28th USAEE/IAEE North American Conference, 2008*. International Association for Energy Economics.

**2009**

1. Azevedo, I. L., Morgan, M. G., & Morgan, F. (2009). The transition to solid-state lighting. *Proceedings of the IEEE*, *97*(3), 481-510.
2. Kriegler, E., Hall, J. W., Held, H., Dawson, R., & Schellnhuber, H. J. (2009). Imprecise probability assessment of tipping points in the climate system. *Proceedings of the national Academy of Sciences*, *106*(13), 5041-5046.
3. Samaras, C., Hendrickson, C. T., Matthews, H. S., & Morgan, M. G. (2009). Policies to promote plug-in hybrid electric vehicles for greenhouse gas emissions reductions and oil displacement. *2009 Annual Meeting of the Transportation Research Board*, Washington, DC., January 11-15;
4. Shiau, C. S. N., Samaras, C., Hauffe, R., & Michalek, J. J. (2009). Impact of battery weight and charging patterns on the economic and environmental benefits of plug-in hybrid vehicles. *2009 Annual Meeting of the Transportation Research Board,* Washington, DC, January 11-15.
5. Smith, J.B., Mastrandrea, M.D. (2009). Dangerous Climate Change: An update of the IPCC Reasons for Concern. *Proceedings of The National Academy of Sciences*, Vol. 106
6. Zickfeld, K., Eby, M., Matthews, H. D., & Weaver, A. J. (2009). Setting cumulative emissions targets to reduce the risk of dangerous climate change. *Proceedings of the National Academy of Sciences*, *106*(38), 16129-16134.

**2010**

1. Hagerman, S.M., Satterfield, T. S., Dowlatabadi, H. (2010). Climate Impacts and Biodiversity Conservation: Examining Evolving Environmental Values, Scientific Uncertainties and Policy Preferences. *DISCCRS V, 2010*
2. Thomas, B. A. (2010). Edison revisited: Impact of DC distribution on the cost of LED lighting and distributed generation. In *2010 Twenty-Fifth Annual IEEE Applied Power Electronics Conference and Exposition (APEC)* (pp. 588-593). IEEE.

**Book Chapters**

**2004**

1. Dowlatabadi, H., Boyle, M., Rowley, S., & Kandalikar, M. (2004). Bridging the gap between project-level assessments and regional development dynamics: A methodology for estimating cumulative effects. *Research supported by Canadian Environmental Agency‘s Research and Development Program. Ottawa, ON: Canadian Environmental Assessment Agency*.

**2005**

1. Gregory, R., & McDaniels, T. (2005). Improving Environmental Decision Processes. *Decision making for the environment: Social and behavioral science research priorities (23-40)*. National Academies Press.

**2006**

1. Farrell, A.E., & Hanemann, W.M. (2006). *Field Notes on the Political Economy of California Climate Change Policy*. H. Selin and S.D. VanDeveer (eds.), Woodrow Wilson International Center for Scholars.
2. Kunreuther, H. (2006). *Reflections on US disaster insurance policy for the 21st century* (No. w12449). National Bureau of Economic Research.
3. Ogushi, Y., Kandlikar, M., & Dowlatabadi, H. (2006). *Assessing product life cycle strategies in the Japanese market*. Springer. 448.

**2010**

1. Boyle, M., Dowlatabadi, H. (2010). *Anticipatory Adaptation in Marginalised Communities within Developed Countries*. McGill-Queens.
2. Cook, C., Dowlatabadi, H. (2010). *Learning Adaptation: Climate Risk Management in the Insurance Industry*. McGill-Queens.

**Reports**

**2004**

1. Boyle, M. and Dowlatabadi, H. (2004). *Bridging the Gap Between Project Level Assessments and Regional Development Dynamics,* The University of British Columbia, Vancouver, 78pp.

**2005**

1. Apt, J. & Morgan, M.G. (2005) *Critical Electric Power Issues in Pennsylvania: Transmission, distributed generation, and continuing services when the grid fails*, Commonwealth of Pennsylvania, Harrisburg, PA, report, 102pp.
2. McDaniels, T., (2005) *Exploring Risk Perception and Cooperative Learning as Descriptive and Prescriptive Decision Frames for Climate Change*, University of British Columbia.

**2006**

1. Ainslie, B., Dowlatabadi, H., Ellis, N., Ries, F., Rouhany, M., & Schreier, H. (2006). *A Review of the Environmental Impacts of Biodiesel Displacing Fossil Diesel, Vancouver*, UBC and Paya Consulting, report, 71pp.
2. Apt, J., Hoffmann, D., Kunreuther, H., Michel-Kerjan, E., & Morgan, M.G. (2006). *The Insurance Industry and Climate Change*, Carnegie Mellon University, Pittsburgh, PA, report, 19pp.
3. Boyle, M. and Dowlatabadi, H. (2006). *Nunavut Community Economic Development Officers Skills and Capacities Questionnaire*, Iqaluit, Nunavut, Nunavut Economic Developers Association, 56pp.
4. Boyle, M. and Dowlatabadi, H. (2006). *Socio-Economic Assessment and Monitoring in Nunavut Communities: Program design and documentation*, Vancouver, University of British Columbia, report, 21pp.
5. Elmieh, N., Dowlatabadi, H., & Casman, E. (2006). *A Model for Probabilistic Assessment of Malathion Spray Exposure (PAMSE) in British Columbia, Vancouver*, BC Centre for Disease Control, report, 21pp.
6. Elmieh, N., Dowlatabadi, H., & Casman, E. (2006). *A Review and Sensitivity Analysis of the Canadian Human Health Risk Assessment for Mosquito Fogging Using Malathion*, Prepared for the BC Centre for Disease Control, report, August 2.
7. Hagerman, S.M., & Dowlatabadi, H. (2006). *Climate Change, Biodiversity, and Resource Management: Implications for decision making in British Columbia*. ISSRM 2006, 12th International Symposium on Society & Resource Management, Vancouver, BC.

**2007**

1. Boyle, M. and Dowlatabadi, H. (2007). *Socio-Economic Assessment & Monitoring: A guide to collecting and using information for communities in Nunavut, Iqaluit*, Nunavut, Nunavut Economic Developers Association, report, 89pp.
2. Boyle, M. and H. Dowlatabadi, (2007). *Building Foundations for Climate Change Adaptation in Nunavut Communities.* Climate Change Impacts and Adaptation Program, Natural Resources Canada. Published as technical report Project A1200.
3. Boyle, M., (2007). *Community of Mittimatalik: Input into the preparation of the socio-economic impact assessment for the potential Mary River Mine*. University of British Columbia.
4. Kunreuther, H., Meyer, R. J., & Michel-Kerjan, E. (2007). *Strategies for better protection against catastrophic risks.* Risk Management and Decision Processes Center, The Wharton School of the University of Pennsylvania.
5. Morgan, M.G., (2007). *Managing Emissions of Carbon Dioxide from Coal-Fired Power Plants*. Department of Engineering and Public Policy, Carnegie Mellon University, policy brief.
6. Morgan, M.G., (2007). *Managing Emissions of Carbon Dioxide from Coal-Fired Power Plants.* Department of Engineering and Public Policy, Carnegie Mellon University.
7. *Pond Inlet Socio-Economic Study Information Comments for QIA Negotiating Team*, University of British Columbia, Vancouver, 9pp. (confidential report)
8. Turner, B. T., Plevin, R. J., O'Hare, M., & Farrell, A. E. (2007). *Creating markets for green biofuels: Measuring and improving environmental performance.* UC Berkeley Transportation Sustainability Research Center.

**2008**

1. Brandt, A. R., & Farrell, A. E. (2008). *Dynamics of the oil transition: modeling capacity, costs, and emissions*. Energy Policy.
2. Fleishman, L., Bruine de Bruin, W., & Morgan, M.G. (2008). *Public Perceptions of Carbon Capture and Sequestration and Other Carbon-reducing Technologies.* EPRI.
3. Gouge B., Ries, F., Reynolds, C., Lim, C., Mazzi, E., and Dowlatabadi, H. (2008). *An Integrated Approach to Transportation Policy in British Columbia: Assessing greenhouse gas reductions opportunities in freight transportation Pacific Institute for Climate Solutions*. Pacific Institute for Climate Solutions, report, 35pp.
4. Grossmann, I. and M.G. Morgan, (2008). *Tropical Cyclones, Climate Change, and Scientific Uncertainty: What do we know, what does it mean, what should be done?* Climate Decision Making Center, report, 61pp.
5. Jaffee, D., Kunreuther, H., & Michel-Kerjan, E. (2008). *Long term insurance (LTI) for addressing catastrophe risk* (No. w14210). National Bureau of Economic Research.
6. Jaramillo, P., & Samaras, C. (2008). *For energy security and greenhouse gas reductions, plugin hybrids a more sensible pathway than coal-to-liquids gasoline*. Department of Engineering and Public Policy, Carnegie Mellon University
7. Morgan, M. G. (2008). *U.S. CCSP Synthesis and Assessment Product 5.2, Best Practice Approaches for Characterizing, Communicating and Incorporating Scientific Uncertainty in Climate Decision Making.* National Oceanic and Atmospheric Administration.

**2009**

1. Apt, J., Katzenstein, W., Fertig, E., (2009). *The Variability of Interconnected Wind Plants*. CEIC Working Paper, Carnegie Mellon Electricity Industry Center.
2. Elmieh, N., & Dowlatabadi, H. (2009). *Multi-Criteria Decision Analyses and Re-emerging Infectious Disease: A Case Study of West Nile Virus in Three Canadian Provinces*. University of British Columbia.
3. Hagerman, S. M., & Chan, K. M. (2009). *Climate change and biodiversity conservation: impacts, adaptation strategies and future research directions*. F1000 Biology Reports, 1(16).
4. Kousky, C., Kunreuther, H. (2009). *Improving Flood Insurance and Flood Risk Management: Insights from St. Louis, Missouri*. Paper # 2009-03-06, Wharton Risk Center.
5. Kunreuther, H. (2009) *Long-Term Insurance and Climate Change.* Paper # 2009-03-13, Wharton Risk Center, (Prepared for International Seminar at the University of Innsbruck, Adaptation to Climate Change: The Role of Insurance)
6. Kunreuther, H., Michel-Kerjan, E. (2009). *Market and Government Failure in Insuring and Mitigating Natural Catastrophes: How long-term contracts can help*. American Enterprise Institute Conference on Private Markets and Public Insurance Programs.
7. McDaniels, T., Hagerman, S.M., Ronalds, L., & Dowlatabadi, H. (2009). *Decision Processes for Fostering Ecological Adaptive Capacity: The Flathead Valley analogy.* Global Environmental Change.
8. Michalek, J. J., & Samaras, C. (2009). *Economic, Environmental and Security Implications of Plug-in Vehicles.* Engineering and Public Policy, Carnegie Mellon University. Policy Brief.
9. Mills, T., McDaniels, T., Ohlson, D., and Gregory, R. (2009) *Exploring Judgmental Approaches to Robust Decision making for Climate Change Adaptation: The Pine Beetle Management Example.*
10. Morgan, M.G. and McCoy, S. (and 28 other authors), (2009). *Carbon Capture and Sequestration: Framing the issues for regulation, an interim report from the CCSReg project*. Department of Engineering and Public Policy, Carnegie Mellon University. 155pp.
11. Samaras, C., Apt, J., Azevedo, I. L., Lave, L. B., Morgan, M. G., & Rubin, E. S. (2009). *Cap and Trade Is Not Enough*. Department of Engineering and Public Policy, Carnegie Mellon University, policy brief.
12. Stadler, M., Marnay, C., Azevedo, I.L., Komiyama, R., Lai, J. (2009). T*he Open Source Stochastic Building Simulation Tool SLBM and Its Capabilities to Capture Uncertainty of Policymaking in the U.S. Building Sector*. 32nd IAEE International Conference, Energy Economy Environment: The Global View.

**2010**

1. Lau, K., Dowlatabadi, H. (2010). *British Columbia's Carbon Neutral Government: A Critical Evaluation*. University of British Columbia.
2. Mills, T., Gregory, R., McDaniels, T., Ohlson, D. (2010). *Using Structured Decision Making to Select Land Management Alternatives in Response to the Mountain Pine Beetle Crisis in British Columbia*.
3. Moreno-Cruz, J., Smulders, S. (2010). *Geoengineering: Revisiting the Economics of Climate Change.* Energy and Environmental Systems Group and Economics Department, University of Calgary.
4. Morgan, M. G. & Ricke, K. L., (2010). *Cooling the Earth Through Solar Radiation Management: the need for research and an approach to its governance*. IRGC, 23pp.
5. Zickfeld, K., Morgan, M. G., Frame, D. J., & Keith, D. W. (2010). *Expert judgments about transient climate response to alternative future trajectories of radiative forcing.* Proceedings of the National Academy of Sciences, *107*(28), 12451-12456.

**Theses**

**2006**

1. Plevin, R., (2006). *California Policy Should Distinguish Biofuels by Differential Global Warming Effects*, M.S. thesis, Energy and Resources Group, UC Berkeley, Berkeley, CA.
2. Stolaroff, J.K., (2006). Capturing CO2 from Ambient Air: A feasibility assessment using experimental, engineering-economic, and model-based analysis, Department of Engineering and Public Policy, Carnegie Mellon University, Pittsburgh, PA, Ph.D. thesis.

**2007**

1. Boyle, M. and Dowlatabadi, H. (2007). *Socio-Economic Assessment & Monitoring: A guide to collecting and using information for communities in Nunavut, Iqaluit*, Nunavut, Nunavut Economic Developers Association, report, 89pp.
2. Boyle, M. and H. Dowlatabadi, (2007). *Building Foundations for Climate Change Adaptation in Nunavut Communities.* Climate Change Impacts and Adaptation Program, Natural Resources Canada. Published as technical report Project A1200.
3. Boyle, M., (2007). *Community of Mittimatalik: Input into the preparation of the socio-economic impact assessment for the potential Mary River Mine*. University of British Columbia.
4. Kunreuther, H., Meyer, R. J., & Michel-Kerjan, E. (2007). *Strategies for better protection against catastrophic risks.* Risk Management and Decision Processes Center, The Wharton School of the University of Pennsylvania.
5. Morgan, M.G., (2007). *Managing Emissions of Carbon Dioxide from Coal-Fired Power Plants*. Department of Engineering and Public Policy, Carnegie Mellon University, policy brief.
6. Morgan, M.G., (2007). *Managing Emissions of Carbon Dioxide from Coal-Fired Power Plants.* Department of Engineering and Public Policy, Carnegie Mellon University.
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8. Turner, B. T., Plevin, R. J., O'Hare, M., & Farrell, A. E. (2007). *Creating markets for green biofuels: Measuring and improving environmental performance.* UC Berkeley Transportation Sustainability Research Center.

**2008**

1. Brandt, A. R., & Farrell, A. E. (2008). *Dynamics of the oil transition: modeling capacity, costs, and emissions*. Energy Policy.
2. Fleishman, L., Bruine de Bruin, W., & Morgan, M.G. (2008). *Public Perceptions of Carbon Capture and Sequestration and Other Carbon-reducing Technologies.* EPRI.
3. Gouge B., Ries, F., Reynolds, C., Lim, C., Mazzi, E., and Dowlatabadi, H. (2008). *An Integrated Approach to Transportation Policy in British Columbia: Assessing greenhouse gas reductions opportunities in freight transportation Pacific Institute for Climate Solutions*. Pacific Institute for Climate Solutions, report, 35pp.
4. Grossmann, I. and M.G. Morgan, (2008). *Tropical Cyclones, Climate Change, and Scientific Uncertainty: What do we know, what does it mean, what should be done?* Climate Decision Making Center, report, 61pp.
5. Jaffee, D., Kunreuther, H., & Michel-Kerjan, E. (2008). *Long term insurance (LTI) for addressing catastrophe risk* (No. w14210). National Bureau of Economic Research.
6. Jaramillo, P., & Samaras, C. (2008). *For energy security and greenhouse gas reductions, plugin hybrids a more sensible pathway than coal-to-liquids gasoline*. Department of Engineering and Public Policy, Carnegie Mellon University
7. Morgan, M. G. (2008). *U.S. CCSP Synthesis and Assessment Product 5.2, Best Practice Approaches for Characterizing, Communicating and Incorporating Scientific Uncertainty in Climate Decision Making.* National Oceanic and Atmospheric Administration.

**2009**

1. Azevedo, I.L., (2009) *Energy Efficiency in the U.S. Residential Sector: An engineering and economic assessment of opportunities for large energy savings and greenhouse gas emissions reductions*, Department of Engineering and Public Policy, Carnegie Mellon University, Pittsburgh, PA, Ph.D. thesis.
2. Elmieh, N., (2009). *An Integrated Assessment of Public Health Responses to the Spread of the West Nile Virus*. Institute for Resources, Environment & Sustainability, University of British Columbia, British Columbia, Canada. Ph.D. thesis.
3. Fleishman, L., Bruine de Bruin, W., & Morgan, M.G. (2009). *Public Perceptions of Carbon Capture and Sequestration and Other Carbon-reducing Technologies*. Engineering and Public Policy, Carnegie Mellon University. Qualifying Exam Paper.
4. Hagerman, S.M., (2009). *Adapting Conservation Policy to the Impacts of Climate Change: An integrated examination of ecological and social dimensions of change*, Institute for Resources, Environment & Sustainability, University of British Columbia, British Columbia, Canada, Ph.D. thesis.
5. Kumar, A., (2009). *Sulfate Aerosol Effects on the South Asian Monsoon: Results from a perturbed-physics ensemble of general circulation models*. Department of Engineering and Public Policy, Carnegie Mellon University. Qualifying Exam Paper.
6. Ricke, K. (2009). *Impact Assessment of Geoengineering to Reverse Global Warming*. Engineering and Public Policy, Carnegie Mellon University. Qualifying Exam Paper.
7. Komiyama, R., Marnay, C., Stadler, M., Lai, J., Borgeson, S., Azevedo, I.L. (2009). *Japan’s Long-term Energy Demand and Supply Scenario to 2050*. The Institute of Energy Economics, Japan.

**2010**

1. Barradale, M. J. (2010). *Practitioner perspectives matter: Public policy and private investment in the US electric power sector.* Energy and Resources Department, UC Berkeley.
2. Hassan, M.N.A. (2010). *Life Cycle GHG Emissions from Malaysian Oil Palm Bioenergy Development: The Impact on Transportation Sector’s Energy Security*. Engineering and Public Policy, Carnegie Mellon University. Qualifying Exam Paper.
3. Mazzi, E. (2010). *An integrated assessment of climate mitigation policy, air quality and traffic safety for passenger cars in the UK*. University of British Columbia. Ph.D. thesis.
4. Schweizer, V. J. (2010). *Developing useful long-term energy projections in the face of climate change*. Department of Engineering and Public Policy, Carnegie Mellon University. Ph.D. thesis.
5. Thomas, B.A. (2010). *Edison Revisited: An Assessment of Direct Current Circuits for Lighting in Commercial Buildings*. Engineering and Public Policy, Carnegie Mellon University. Qualifying Exam Paper.

**2011**

1. Klima, K. (2011). *Does Tropical Cyclone Modification Make Sense? A Decision Analytic Perspective*. Engineering and Public Policy, Carnegie Mellon University. Ph.D. thesis.
2. Ricke, K. L. (2011). *Characterizing Impacts and Implications of Proposals for Solar Radiation Management, a Form of Climate Engineering.* Engineering and Public Policy, Carnegie Mellon University. Ph.D. thesis.

**2012**

1. Thomas, B. A. (2012). *Energy efficiency and rebound effects in the United States: implications for renewables investment and emissions abatement*. Carnegie Mellon University. Ph.D. thesis.