CURRICULUM VITA

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MICHAEL OPPENHEIMER

Albert G. Milbank Professor of Geosciences and International Affairs,
Department of Geosciences and the Woodrow Wilson School of
Public & International Affairs, Princeton University

Director, Program in Science, Technology, and Environmental Policy of the
Woodrow Wilson School, Princeton University

Associated Faculty of: Princeton Environmental Institute
Atmosphere and Ocean Sciences Program
Princeton Institute for International and Regional Studies

Contact Information

Robertson Hall 448
Princeton University
Princeton, N.J. 08544
609-258-2338
Email: omichael@princeton.edu
Website: http://www.princeton.edu/step/people/faculty/michael-oppenheimer/

Other Professional Affiliations

Visiting Professor, NYU School of Law
Editor in Chief, *Climatic Change Letters*
Co-editor, *Climatic Change*
Science Advisor, Environmental Defense Fund
Science Advisor, Frisch Center for Economic Research, Oslo
Science Advisor, Mistra Foundation for Strategic Environmental Research, Stockholm
Coordinating Lead Author, Intergovernmental Panel on Climate Change

Fields of Specialization

Physics and chemistry of the atmosphere; climate change, ozone depletion, acid deposition and air pollution: their effects on natural systems and society, and public policy responses.

Education

S.B. (Chemistry) M.I.T., 1966
Ph.D. (Chemical Physics) University of Chicago, 1970

Positions

1966-67 Teaching Assistant, University of Chicago
1971-73 Research Fellow, Harvard College Observatory

1971-81	Physicist, Harvard-Smithsonian Center for Astrophysics
1978-79	Visiting Astronomer, University of California, Santa Cruz
1981-96	Senior Scientist, Environmental Defense
1995 -2002	Manager, Global / Regional Air Program, Environmental Defense
1996 -2002	Chief Scientist, Environmental Defense
2002-	Professor of Geosciences and International Affairs, Princeton University

Honors, Awards

1969	Danforth Tutor, University of Chicago
1969-70	Union Carbide Fellow, University of Chicago
1978-79	John Simon Guggenheim Memorial Foundation Fellow
1978-79	Morrison Fellow, University of California, Santa Cruz
1989	The Henry Draper Award of the Hudson River Fishermen's Association
1989-2001	Streisand Chair in Environmental Studies
2000	League of Conservation Voters, Environmental Leadership Award for Advancing the Public Understanding of the Science of Climate Change
2001	Environmental Action Coalition Green Star Award
2005-2006	Russell Sage Foundation Visiting Scholar
2007	New Species Award, African Rainforest Conservancy
2007	Participant in the Intergovernmental Panel on Climate Change, which won the Nobel Peace Prize in 2007
2009-10	Russell Sage Foundation Associate Scholar
2010-2013	National Science Foundation Grant: *Assessing Assessments*
2010	Heinz Award Winner
2010-	Fellow, American Association for the Advancement of Science

Committees, Boards, and Panels

1982-90	Board of Directors, National Clean Air Committee
1982	E.P.A. Lead Criteria Review Committee
1982-84	Acid Rain Advisory Committee, N.Y. State Department of Environmental Conservation
1982-86	Board of Directors, OSHA-Environmental Network
1983	Ad Hoc Committee to Review the National Acid Precipitation Assessment Program, White House Council on Environmental Quality
1985-90	Hudson River Panel, Hudson River Foundation
1986-88	Board of Directors, Environmental Planning Lobby
1987-88	E.P.A. Visibility Committee
1988-89	Panel on Greenhouse Warming, World Resources Institute
1988-	Advisory Board, Pace University Center for Environmental Legal Studies
1989-93	NASA Advisory Committee on the Atmospheric Effects of

	Stratospheric Aircraft
1989-97	Chairman, Science Advisory Panel, Climate Change Exhibition, American Museum of Natural History
1990-96	Advisory Board, Environmental Media Association
1991-02	Board of Analysts, "Greenwire"
1991-92	National Steering Committee, Florida Global Warming Education Project, American Horizons
1991-94	Environmental Advisory Committee to New York Governor Mario Cuomo
1992-94	Visiting Committee, Cornell Center for the Environment, Cornell University
1993-95	NASA Advisory Committee on the Atmospheric Effects of Aviation
1994	Interim Advisory Committee, Princeton Environmental Institute, Princeton University
1995-99	National Academy of Sciences/National Research Council, Panel on the Atmospheric Effects of Aviation
1996	Contributing author, Intergovernmental Panel on Climate Change, Second Assessment Report
1997-98	Technical Advisory Panel, H. John Heinz III Center
1998	Global Change Steering Committee, H. John Heinz III Center
1998-99	Scientific Advisory Board, Riverkeeper
1999-02	Advisory Board, Earth and Environmental Studies Program, Montclair State College
2000-02	Executive Campaign Cabinet, Earth System Science Research Center, University of California, Irvine
2000-02	Advisory Council, Center for Environmental Policy, Bard College
2001	Lead author, Intergovernmental Panel on Climate Change, Third Assessment Report
2001-05	Environment Jury, Heinz Awards, Heinz Foundation
2003-09	Trustee, Tri-State Transportation Coalition
2003-06	Steering Committee, Aldo Leopold Leadership Program
2003-	Executive Committee, Cooperative Institute for Climate Science, Princeton University and NOAA Geophysical Fluid Dynamics Laboratory
2003-07	Science and Technology Council, Cummins, Inc.
2004-07	Lead Author, Intergovernmental Panel on Climate Change, Fourth Assessment Report
2005-06	Panel on Climate Variability and Change, National Research Council, National Academy of Sciences
2005-11	Executive Committee, Environmental Studies Program, Princeton University
2006-12	Executive Committee, Center for Information Technology Policy, Princeton University
2006-8	Chair, steering committee for Arctic Expedition for Climate Action (Lindblad Expeditions, Aspen Institute, National

	Geographic Society)
2007-8	Advisory Board, African Rainforest Conservancy
2007-09	Panel on Alternative Liquid Transportation Fuels, National Academy of Sciences
2007-8	Co-curator, *Climate Change: The threat to life and our energy future*, American Museum of Natural History
2007-9	Editorial Board, Environmental Research Letters
2008-12	Executive Committee, Program in Sustainable Energy, Princeton University
2008-	Board of Directors, Climate Central
2008	Advisory Board to NJDEP commissioner on establishing an SAB
2009-11	Coordinating Lead Author, Intergovernmental Panel on Climate Change, Special Report on *Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation*
2009-12	Member, National Academies Board on Energy & Environmental Systems
2010-12	Member, Outreach Committee, American Geophysical Union
2010-14	Coordinating Lead Author, Intergovernmental Panel on Climate Change, Fifth Assessment Report, WGII, Ch. 19
2011-14	Member, Advisory Board, Yale Climate and Energy Institute

Membership in Professional Societies

American Association for the Advancement of Science
American Geophysical Union
American Meteorological Society
American Physical Society
International Glaciological Society

Publications

See bibliography, next page.

Other Sources of Research Support (see also ***Honors, Awards***, above)

Woodrow Wilson School of Public and International Affairs
High Meadows Fund
Carbon Mitigation Initiative (Princeton/BP)

BIBLIOGRAPHY

(Michael Oppenheimer)

Articles in Professional Journals

1971 Ultraviolet spectra of alkali halides in inert matrices (with R. S. Berry). *J. Chem. Phys*., **54**, 5058.

1972 Collision matrix elements near a pseudocrossing of potential energy curves. *J. Chem. Phys*., **57**, 3899.

1972 Non-resonant charge capture: $Na^+ + Li = Na + Li^+$ (with C. Bottcher). *J. Phys. B*., **5**, 492.

1972 Eigenvalues of the $2p3p\,^3P$ and $2p3d\,^{1,3}D$ bound states of the helium isoelectronic sequence (with H. Doyle and G. W. F. Drake). *Phys. Rev*., **A5**, 26.

1972 The charge transfer spectrum of $(LiNa)^+$ (with C. Bottcher and A. Dalgarno). *Chem. Phys. Lett*., **15**, 24.

1972 The calculation of photoabsorption processes in helium (with A. Dalgarno and H. T. Doyle). *Phys. Rev. Lett*., **29**, 1051.

1973 Chemiionization in interstellar clouds (with R. S. Berry and A. Dalgarno). *Ap. J. Lett.*, **183**, L21.

1973 The formation of formaldehyde in interstellar clouds (with A. Dalgarno and J. Black).*Nature*, **245**, 100.

1974 The chemistry of sulphur in interstellar clouds (with A. Dalgarno). *Ap. J*., **187**, 231.

1974 The fractional ionization in dense interstellar clouds (with A. Dalgarno). *Ap. J*., **192**, 29.

1974 Chemical heating in diffuse interstellar clouds (with A. Dalgarno). *Ap. J.*, **192**, 597.

1974 Configuration mixing effects on molecular dipole transition moments (with K. Docken). *Chem. Phys. Lett*., **29**, 349.

1974 Hydrogen chloride in dense interstellar clouds (with A. Dalgarno, T. de Jong, and J. H. Black). *Ap. J. Lett.*, **192**, L37.

1975 The formation of CO and thermal balance in interstellar clouds (with A.Dalgarno). *Ap. J*., **200**, 419.

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1975 Comets and interstellar masers. *Nature*, **254**, 677.

1975 Gas phase chemistry in comets. *Ap. J.*, **196**, 251.

1975 A bound state expansion method for calculating resonance and non-resonance contributions to continuum processes: Theoretical development and application to the photoionization of helium (with H. Doyle and A. Dalgarno). *Phys. Rev*., **A11**, 909.

1975 The formation of CH^+ in interstellar clouds (with A. Dalgarno and J. H. Black). *Ap. J*., **199**, 633.

1975 Metastable ^2P oxygen ions in the daytime thermosphere (with several authors). *J. Geophys. Res*., **80**, 1026.

1975 A bound state method for phase shifts in elastic scattering of electrons from atoms and ions (with A. Dalgarno and H. Doyle). *Chem. Phys. Lett*., **32**, 6.

1976 An improved bound state method for calculating resonance eigenvectors and properties (with H. Doyle). *Phys. Rev*., **A13**, 665.

1976 Recombination of NO^+ in the ionosphere (with several authors). *Geophys. Res. Lett*., **3**, 209.

1976 Molecular oxygen abundances in the thermosphere from the chemistry of the O_2^+ ion based on Atmosphere Explorer-C composition measurements (with A. Dalgarno and H. C. Brinton). *J. Geophys. Res*., **81**, 4678.

1976 Ion chemistry of N_2^+ and the solar ultraviolet flux in the thermosphere (with A. Dalgarno and H. C. Brinton). *J. Geophys. Res*., **81**, 3762.

1977 Isentropic instabilities in the interstellar gas. *Ap. J*., **211**, 400.

1977 Association ionization and interstellar TiO and TiO^+ (with A. Dalgarno). *Ap. J*., **212**, 683.

1977 Daytime chemistry of NO^+ from Atmosphere Explorer-C measurements (with A. Dalgarno, F. P. Trebino, L. H. Brace, H. C. Brinton and J. H. Hoffman). *J. Geophys. Res*., **82**, 191.

1977 Indirect determinations of molecular oxygen densities in the daytime thermosphere from Atmosphere Explorer-C composition measurements (with K. Kirby-Docken). *J. Geophys. Res*., **82**, 3503.

1977 Comparison of measured and calculated thermospheric molecular oxygen (with W. E. Potter, D. C. Kayser, H. C. Brinton and L. H. Brace). *J. Geophys. Res*., **82**, 5243.

1977 Ion photochemistry of the thermosphere from Atmosphere Explorer-C measurements (with E. R. Constantinides, K. Kirby-Docken, G. A. Victor, A. Dalgarno and J. H. Hoffman). *J. Geophys. Res*., **82**, 5485.

1978 An analysis of the coma of Comet Bennett 1970 II. *Ap. J*., **225**, 1083.

1978 The EUV flux inferred from AE-C He^+ abundances (with S. Babeu, J. H. Hoffman and E. Breig). *Geophys. Res. Lett*., **5**, 773.

1978 Evidence for shock chemistry in Orion (with C. Lada and T. W. Harquist). *Ap. J. Lett.*, **226**, L153.

1979 The effect of cosmic ray screening upon the stability of interstellar clouds (with B. Elmegreen and T. W. Hartquist). *Astron. Astrophys*, **75**, 137.

1979 Photoionization and photoabsorption cross sections of thermospheric species: He, O, N_2, and O_2 (with K. Kirby, S. Babeu, E. R. Constantinides and G. A. Victor). *Atomic Data and Nuclear Data Tables*, **23**, 63.

1980 Molecular diagnostics of interstellar shocks (with T. W. Hartquist and A. Dalgarno). *Ap. J*., **236**, 182.

1980 Sodium D-line emission in Comet West (1975n) and the sodium source in comets. *Ap. J*., **240**, 923.

1980 Chemical reactions and the nature of comets. *Accounts of Chemical Research*, **13**, 378.

1980 The effect of solar cycle ultraviolet flux variations on cometary gas (with C. J. Downey). *Ap. J. Lett.*, **241**, L123.

1981 EUV flux variations during solar cycle 21 from AE-E He+ abundances (with S. Babeu and H. C. Brinton). *J. Geophys. Res*., **86**, 825.

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1984 The relationship of sulfur emissions to sulfate in precipitation III. Subregional budget analysis. *Atmos. Environment*, **18**, 403.

1985 An analysis of the sulfur budget and interstate sulfur transport for Colorado. *Atmos. Environment*, **19**, 1439.

1985 Acid deposition (with J. N. Galloway, G. E. Likens and S. A. Norton). *Science* (Letters), **227**, 1154.

1985 Acid deposition, smelter emissions, and the linearity issue in the Western United States (with C. Epstein and R. Yuhnke). *Science*, **229**, 859.

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1986 Empirical relation between sulfur dioxide emissions and acid deposition derived from monthly data (with C. Epstein). *Nature*, **323**, 245.

1987 Stratospheric sulphate production and the photochemistry of the Antarctic circumpolar vortex. *Nature*, **328**, 702.

1988 Restoration of the Chesapeake Bay: A Multi-State Institutional Challenge (with J. T. B. Tripp). *Maryland Law Review*, **47**, 425.

1989 Climate change and environmental pollution: physical and biological interactions. *Climatic Change*, **15**, 255.

1991 Atmospheric nitrate deposition and the Chesapeake Bay estuary (with D. C. Fisher). *Ambio*, **20**, 102.

1991 Carbon dioxide and temperature (with J. B. Marston, R. M. Fujita and S. R. Gaffin). *Nature* (Scientific Correspondence), **349**, 573.

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1995 Impulse-response functions and anthropogenic CO_2 (with F. N. Tubiello). *J. Geophysical Res. Lett.*, **22**, 413.

1995 Comment on "The lifetime of excess atmospheric carbon dioxide" by Berrien Moore III and B. H. Braswell (with S. R. Gaffin and B. C. O'Neill). *Global Biogeochemical Cycles*, **9**, 167.

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1997 Measuring time in the greenhouse: an editorial essay (with B. C. O'Neill and S. R. Gaffin). *Climatic Change*, **37**, 491.

1998 Global warming and the stability of the West Antarctic ice sheet. *Nature*, **393**, 325.

1998 Long-term scenarios for aviation: demand and emissions of CO_2 and NO_x (with A. Vedantham). *J. Energy Policy* **26**, 625.

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2005 Ice Sheets, Global Warming, and Article 2 of the UNFCCC (with R.B. Alley). *Climatic Change* **68,** 257-267**.**

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2005 Avoiding Dangerous Anthropogenic Interference with the Climate System (with K. Keller, M. Hall, S.-R. Kim, and D. F. Bradford). *Climatic Change* **73**, 227-238

2005 Defining Dangerous Anthropogenic Interference: The Role of Science, The Limits of Science. *Risk Analysis* **25,** 1-9

2005 Interim Targets and the Climate Treaty Regime (with Brian C. O'Neill, & Annie Petsonk). *Climate Policy* **5**, 639-645.

2006 Global Warming: The Psychology of Long Term Risk (with A. Todorov). *Climatic Change*, **77**, 1–6, DOI: 10.1007/s10584-006-9086-6.

2006 Science and Environmental Policy: The Role of Nongovernmental Organizations, *Social Research*, **73**, 881-90.

2006 Coral Reefs Reduce Tsunami Impact in Model Simulations (with C. Kunkel and R. Hallberg). Geophys. Res. Lett., 33, L23612, doi:10.1029/2006GL027892.

.

2006 Model-based Assessment of the Role of Human-induced Climate Change in the 2005 Caribbean Coral Bleaching Event (with S.D. Donner and T.R. Knutson). *Proc Natl Acad Sci*, doi:10.1073/pnas.0610122104

2006 Learning and Climate Change (with many authors), *Climate Policy* **6,** 585–589.

2007 A "Manhattan Project" for Climate Change? (C-J Yang, M Oppenheimer), *Climatic Change*, 80, 199-204, 10.1007/s10584-006-9202-7.

2007 On the Sensitivity of Radiative Forcing from Biomass Burning Aerosols and Ozone to Location of Emissions (V.Naik, et al), *Geophys. Res. Letters*, **34**, L03818, doi:10.1029/2006GL028149.

2007 Carbon Trading over Taxes (B. Chameides, M Oppenheimer), *Science*, **315**, 1670.

2007 The regrets of procrastination in climate policy (K. Keller, et al), *Environmental*

Research Letters, **2**, 024004 (4pp) doi:10.1088/1748-9326/2/2/024004.

2007 The Limits of Consensus (M Oppenheimer et al), *Science* **317**, 1505-6.

2007 The Economics of the Thermohaline Circulation – A Problem with Multiple Thresholds of Unknown Locations (with E. Nævdal). *Resource and Energy Economics* 29, 262-283.

2007 Towards a New Generation of Ice Sheet Models (CM Little et al), *Eos* **88**, 578-9.

2008 Learning about ozone depletion (PJ Crutzen and M Oppenheimer), *Climatic Change* **89**, 143-154 DOI 10.1007/s10584-008-9400-6.

2008 The potential impacts of sea level rise on the coastal region of New Jersey, USA (MP Cooper, MD Beevers, M Oppenheimer), *Climatic Change* **90**, 475–492, DOI 10.1007/s10584-008-9422-0.

2008 Atmospheric stabilization and the timing of carbon mitigation (BK Mignone et al), *Climatic Change* **88**, 251-265 DOI 10.1007/s10584-007-9391-8.

2008 Book Review: An outspoken scientist, *Nature Reports Climate Change*, Published online: 16 January 2008|**doi:10.1038**/climate.2008.3

2008 A closer look at the IPCC report-Response (M Oppenheimer, BC O'Neill, M Webster, S Agrawala), *Science* **319**, 410 *(in Letters)*

2008 The boundaries of the thinkable: environmentalism in the early twenty-first century (P Tetlock and M Oppenheimer), *Dedaelus* **137**, 59–70.

2008 A physical science perspective on disaster: through the prism of global warming (M Oppenheimer), *Social Research* **75**, 659-668.

2008 Negative learning (M Oppenheimer, BC O'Neill, M Webster), *Climatic Change* **89**, 155-172 DOI 10.1007/s10584-008-9405-1.

2009 Climate change and plant invasions: restoration opportunities ahead? (BA Bradley, M Oppenheimer, DS Wilcove), *Global Change Biology*, **15**, 1511–1521, doi: 10.1111/j.1365-2486.2008.01824.x.

2009 Assessing dangerous climate change through an update of the Intergovernmental Panel on Climate Change (IPCC) ''reasons for concern'' (J Smith et al), *Proc Natl Acad Sci* **106**, 4133-4137 (www.pnas.org_cgi_doi_10.1073_pnas.0812355106).

(Michael Oppenheimer)

2009 Climate change increases risk of plant invasion in the Eastern United States (B Bradley, D Wilcove, M Oppenheimer), *Biological Invasions*, DOI 10.1007/s10530-009-9597-y.

2009 Ice shelf morphology and the efficiency of basal melting (CM Little, A Gnanadesikan, M Oppenheimer), J. Geophysical Res. **114**, C12007, doi:10.1029/2008JC005197.

2009 Probabilistic assessment of sea level during the Last Interglacial stage (RE Kopp et al), *Nature* **462**, 963-868, doi:10.1038/nature08686.

2009 Toward ethical norms and institutions for geo-engineering research (D Morrow, R Kopp, M Oppenheimer), *Environ. Res. Lett.* **4,** p.1-8 doi:10.1088/1748-9326/4/4/045106.

2009 A force to fight global warming (WR Turner, M Oppenheimer, DS Wilcove), *Nature* **462**, 278-9.

2009 Fixing a critical climate accounting error (T Searchinger et al), *Science* **326**, 527–528, DOI: 10.1126/science.1178797.

2009 *Climatic Change Letters* inaugural editorial (SH Schneider, M Oppenheimer) Climatic Change (2009) **97**,1–2, DOI 10.1007/s10584-009-9751-7.

2010 Climate change: Helping Nature survive the human response (WR Turner et al), *Conservation Letters*, doi: 10.1111/j.1755-263X.2010.00128.x.

2010 Nitrogen cycling and feedbacks in a global dynamic land model, (S Gerber et al), *Global Biogeochem. Cycles*, **24**, GB1001, doi:10.1029/2008GB003336.

2010 Urbanization, climate change and flood policy in the United States (AA Ntelekos et al), *Climatic Change* **103**, 597-616 [DOI 10.1007/s10584-009-9789-6].

2010 Climatic change letters: a modest effort to address a gigantic problem, *Climatic Change* **100**, 7-10, DOI 10.1007/s10584-010-9837-2 (editorial).

2010 Carbon Calculations to Consider-Response (Searchinger et al), *Science* **327**, 781 [DOI: 10.1126/science.327.5967.781-a] (in Letters).

2010 Bioenergy: Counting on Incentives-Response (Searchinger et al), *Science* **327,** 1200-1201 [DOI: 10.1126/science.327.5970.1200-a] (in Letters).

2010 Linkages among climate change, crop yields and Mexico–US cross-border

migration (S Feng, A Krueger, M Oppenheimer), *Proc Natl Acad Sci*,**107**, 14257–14262 www.pnas.org/cgi/doi/10.1073/pnas.1002632107.

2011 Characterizing uncertainty in expert panel assessments (J O'Reilly, et al), *WIREs Clim Change* **2,** 728–743 DOI: 10.1002/wcc.135

2011 Exploring high-end scenarios for local sea level rise to develop flood protection strategies for a low-lying delta - the Netherlands as an example (CA Katsman, et al), *Climatic Change,* DOI: 10.1007/s10584-011-0037-5

2011 Predicting how human adaptation to climate change will affect biodiversity: a case study from South Africa (B. Bradley et al), submitted to *Diversity and Distributions*

2011 The Rapid Disintegration of Predictions: Climate Science, Bureaucratic Institutions, and the West Antarctic ice sheet (J O'Reilly, N Oreskes, M Oppenheimer), submitted to *Social Studies of Science*.

2011 The Politics and Policy of Carbon Capture and Storage: Framing an Emergent Technology (K Backstrand, J Meadowcroft, M Oppenheimer), *Global Environmental Change*, **21**, 275–281doi:10.1016/j.gloenvcha.2011.03.008

2011 On the coupled response to ice shelf basal melting (CM Little, D Goldberg, A Gnanadesikan, M Oppenheimer), submitted to *Journal of Glaciology*

2011 On the Design of an International Governance Framework for Geoengineering (ID Lloyd, M Oppenheimer), submitted to *Global Environmental Politics*

2011 Evaluation, Characterization, and Communication of Uncertainty by the Intergovernmental Panel on Climate Change (G Yohe, M Oppenheimer), *Climatic Change* **108**:629–639 DOI 10.1007/s10584-011-0176-8

2011 Climate Change Impacts: Accounting for the Human Response (M Oppenheimer), submitted to *Climatic Change*.

2011 Hurricane Surge and Global Warming: Risk Assessment for New York City (N Lin, K Emanuel, M Oppenheimer, E Vanmarcke), submitted to *Nature Climate Change*

2011 Assessing ice sheet driven sea level rise using a probabilistic, bottom-up approach (CM Little, M Oppenheimer, NM Urban), submitted to *Nature Climate Change*

2011 Simulation of ocean-land ice interactions through a strongly thermally-forced ice shelf, Part 1: Model description and behavior (Goldberg et al), submitted to *J. Geophys. Res. E*

2011 Simulation of ocean-land ice interactions through a strongly thermally-forced ice shelf, Part

(Michael Oppenheimer)

2: Sensitivity to external forcings (Goldberg et al), submitted to *J. Geophys. Res. E*

Authorship of IPCC and NAS/NRC Reports

1996 *Climate Change 1995: The Science of Climate Change.* Contribution of Working Group I to the Second Assessment Report of the **Intergovernmental Panel on Climate Change**, Chapter 8, "Detection of Climate Change and Attribution of Causes," (Cambridge University Press, Cambridge, UK). (Contributing Author).

1997 *The Atmospheric Effects of Stratospheric Aircraft Project: An Interim Review of Science and Progress*, **National Research Council Panel Report** (National Academy Press, Washington, DC).

1998 *A Review of NASA's Atmospheric Effects of Stratospheric Aircraft Project*, **National Research Council Panel Report** (National Academy Press, Washington, DC).

2001 *Climate Change 2001: The Science of Climate Change*. Contribution of Working Group I to the Third Assessment Report of the **Intergovernmental Panel on Climate Change**, Chapter 11, "Changes in Sea Level," (Cambridge University Press, Cambridge, UK). (Contributing Author)

2001 *Climate Change 2001: The Science of Climate Change*. Contribution of Working Group I to the Third Assessment Report of the **Intergovernmental Panel on Climate Change**, Technical Summary and Summary for Policymakers (Cambridge University Press, Cambridge, UK). (Drafting and Lead Author)

2007 Assessing Key Vulnerabilities and the Risks from Climate Change (SH Schneider et al), *in Climate Change 2007: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Fourth Assessment Report of the **Intergovernmental Panel on Climate Change***, M.L. Parry, O.F. Canziani, J.P. Palutikof, P.J. van der Linden and C.E. Hanson, Eds., Cambridge University Press, Cambridge, UK, 779-810. (Lead Author)

2007 Technical Summary. *Climate Change 2007: Impacts, Adaptation and Vulnerability (M Parry et al). Contribution of Working Group II to the Fourth Assessment Report of the **Intergovernmental Panel on Climate Change***, M.L. Parry, O.F. Canziani, J.P. Palutikof, P.J. van der Linden and C.E. Hanson, Eds., Cambridge University Press, Cambridge, UK, 23-78. (Lead Author)

2007 IPCC, 2007: Summary for Policymakers. In: *Climate Change 2007: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Fourth Assessment Report of the **Intergovernmental Panel on Climate Change***, M.L. Parry, O.F. Canziani, J.P. Palutikof, P.J. van der Linden and C.E. Hanson, Eds., Cambridge University Press, Cambridge, UK, 7-22. (Drafting Team)

2007 Climate Variability and Change (**National Research Council** Panel Report), in E*arth Science and Applications from Space: National Imperatives for the Next Decade and Beyond* (National Academy Press, Washington, DC), Ch.9.

2009 *Liquid Transportation Fuels from Coal and Biomass*, Report of the Panel on Alternative Liquid Transportation Fuels, **National Research Council (**National Academies Press, Washington, DC).

2011 *Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation,* Special Report of the **Intergovernmental Panel On Climate Change**. Summary for Policy Makers (Core Writing Team member).

2012 *Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation,* Special Report of the **Intergovernmental Panel On Climate Change**. Chapter 1 (Coordinating Lead Author).

Book Chapters

1986 The Implications of Health and Environmental Effects for Policy (with D. J. Dudek), in *Effects of Changes in Stratospheric Ozone and Global Climate*, Vol. 1, U.S. E.P.A.

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