

EXXON MOBIL CONTRIBUTED PUBLICATIONS

PEER-REVIEWED PUBLICATIONS

1. Hoffert, M.I., Flannery, B. P., Callegari, A. J., Hsieh, C. T., and Wiscombe, W., 1983. Evaporation-limited tropical temperatures as a constraint on climate sensitivity. *Journal of the Atmospheric Sciences* 40, No. 7, 1659-1668.
2. Flannery, B. P., 1984. Energy balance models incorporating transport of thermal and latent energy. *Journal of the Atmospheric Sciences* 41, No. 3, 414-421.
3. Hoffert, M. I., Flannery, B. P., 1985. Model projections of the time-dependent response to increasing carbon dioxide, in *Projecting the Climatic Effects of Increasing Carbon Dioxide*, United States Department of Energy, M. C. MacCracken and F. M. Luther editors, Lawrence Livermore, Livermore, Livermore, CA., 151-168.
4. Kheshgi, H. S., Hoffert, M. I. and Flannery, B. P., 1991. Marine biota effects on the compositional structure of the world oceans. *J. Geophys. Res.*, 96: 4957-4969.
5. Kheshgi, H. S. and White, B. S., 1993. Effect of climate variability on estimation of greenhouse parameters: usefulness of a pre-instrumental temperature record. *Quaternary Science Reviews*, 12: 475-481.
6. Flannery, B. P., Kheshgi, H. S., Hoffert, M. I. and Lapenis, A. G., 1993. Assessing the effectiveness of marine CO₂ disposal. *Energy Convers. Mgmt*, 34: 983-989.
7. Kheshgi, H. S. and White, B. S., 1993. Does recent global warming suggest an enhanced greenhouse effect? *Climatic Change*, 23: 121-139.
8. Kheshgi, H. S., Flannery, B. P., Hoffert, M. I. and Lapenis, A. G., 1994. The effectiveness of marine CO₂ disposal. *Energy*, 19: 967-974.
9. Jain, A. K., Kheshgi, H. S., Hoffert, M. I. and Wuebbles, D. J., 1995. Distribution of radiocarbon as a test of global carbon cycle models. *Global Biogeochem. Cycles*, 9: 153-166.
10. Kheshgi, H. S., 1995. Sequestering atmospheric carbon dioxide by increasing ocean alkalinity. *Energy*, 20: 915-922.
11. Kheshgi, H. S. (Contributing Author), 1996. Detection of Climate Change and Attribution of its Causes, Chapter 8, Volume I of the Intergovernmental Panel on Climate Change Second Assessment Report.
12. Kheshgi, H. S. and White, B. S., 1996. Modelling ocean carbon cycle with a nonlinear convolution model. *Tellus*, 48B: 3-12.
13. Kheshgi, H. S. and Lapenis, A. G., 1996. Estimating the uncertainty of zonal paleotemperature averages. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 3: 221-237.

EXXON MOBIL CONTRIBUTED PUBLICATIONS

14. Kheshgi, H. S., Jain, A. K., and Wuebbles, D. J., 1996. Accounting for the missing carbon sink with the CO₂ Fertilization Effect. *Climatic Change*, 33: 31-62.
15. Jain, A. K., Kheshgi, H. S., and Wuebbles, D. J., 1996. A globally aggregated reconstruction of cycles of carbon and its isotopes. *Tellus*, 48B: 583-600.
16. Jain, A. K., Kheshgi, H. S., and Wuebbles, D. J., 1997. Is there an imbalance in the global budget of bomb-produced radiocarbon? *Journal of Geophysical Research*, 102: 1327-1333.
17. Archer, D., Kheshgi, H., and Maier-Reimer, E. 1997. Multiple Timescales for the Neutralization of Fossil Fuel CO₂, *Geophysical Research Letters*, 24: 405.
18. Kheshgi, H. S., Schlesinger, M. E., and Lapenis, A. G., 1997. Comparison of Paleotemperature Reconstructions as Evidence for the Paleo-Analog Hypothesis, *Climatic Change*, 35:123.
19. Archer, D., Kheshgi, H., and Maier-Reimer, E., 1998. The dynamics of fossil fuel CO₂ neutralization by marine CaCO₃, *Global Biogeochemical Cycles*, 12:259-276.
20. Kheshgi, H. S., Jain, A. K., Kotamarthi, V. R. and Wuebbles, D. J. 1999. Future Atmospheric Methane Concentrations in the Context of the Stabilization of Greenhouse Gas Concentrations. *J. Geophys. Res.*, 104: 19,183-19,190.
21. Kheshgi, H. S., A. K. Jain and D. J. Wuebbles, Model-based estimation of the global carbon budget and its uncertainty from carbon dioxide and carbon isotope records, *J. Geophys. Res.*, 104, 31,127-31,144, 1999.
22. Kheshgi, H. S., R. C. Prince, and G. Marland, 2000: The Potential of Biomass Fuels in the Context of Global Change: Focus on Transportation Fuels. *Annual Review of Energy and the Environment*, **25**, 199-244.
23. Bolin, B., Sukumar, R., Ciais, P., Cramer, W., Jarvis, P., Kheshgi, H., Nobre, C., Semenov, S., and Steffen, W.: 2000, 'Global Perspective,' In (R. T. Watson, et al. eds.) *Land Use, Land-Use Change, and Forestry: A Special Report of the Intergovernmental Panel on Climate Change*, Cambridge University Press, New York, 23-51.
24. Bolin, B., and Kheshgi, H. S.: 2001, 'On strategies for reducing greenhouse gas emissions', *Proceedings of the National Academy of Sciences of the United States of America* **98**, 4850-4854.
25. Kheshgi, H. S., and B. S. White, 2001: Testing Distributed Parameter Hypotheses for the Detection of Climate Change. *Journal of Climate* **14**, 3464-3481.
26. Prentice, C., Farquhar, G., Fasham, M., Goulden, M., Heimann, M., Jaramillo, V., Kheshgi, H., Quéré, C. L., Scholes, R., and Wallace, D.: 2001, 'The carbon cycle and atmospheric CO₂', In (J. T. Houghton, et al. eds.) *Climate Change 2001: The Scientific Basis: Contribution of WGI to the Third Assessment Report of the IPCC*, Cambridge University Press, New York, 183-237.

EXXON MOBIL CONTRIBUTED PUBLICATIONS

27. Kheshgi, H. S. (Contributing Author), 2001. "Detection of Climate Change and Attribution of its Causes," In (J. T. Houghton, and D. Yihui eds.) *Climate Change 2001: The Scientific Basis: Contribution of WGI to the Third Assessment Report of the IPCC*, Cambridge University Press, New York, 695-738.
28. Kheshgi, H. S. (Contributing Author), 2001. "Technical Summary," In (J. T. Houghton, and D. Yihui eds.) *Climate Change 2001: The Scientific Basis: Contribution of WGI to the Third Assessment Report of the IPCC*, Cambridge University Press, New York, 21-83.
29. Kheshgi, H. S. (Contributing Author), 2001. "Technical and Economic Potential of Options to Enhance, Maintain and Manage Biological Carbon Reservoirs and Geo-Engineering," In (B. Metz et al. eds.) *Climate Change 2001: Mitigation of Climate Change: Contribution of WGIII to the Third Assessment Report of the IPCC*, Cambridge University Press, New York, 301-343.
30. Flannery, B. P. (Lead Author) 2001: "Decision Making Frameworks," In (B. Metz et al. eds.) *Climate Change 2001: Mitigation of Climate Change: Contribution of WGIII to the Third Assessment Report of the IPCC*, Cambridge University Press, New York, 601-688.
31. Hayhoe, K. A. S., Kheshgi, H. S., Jain, A. K. and Wuebbles, D. J. 2002. Substitution of natural gas for coal: climatic effects of utility sector emissions. *Climatic Change* **54**, 107-139.
32. Hoffert, M. I., Caldeira, K., Benford, G., Criswell, D. R., Green, C., Herzog, H., Jain, A. K., Kheshgi, H. S., Lackner, K. S., Lewis, J. S., Lightfoot, H. D., Manheimer, W., Mankins, J. C., Mauel, M. E., Perkins, L. J., Schlesinger, M. E., Volk, T., and Wigley, T. M. L.: 2002, Advanced technology paths to global climate stability: energy for a greenhouse planet, *Science* **298**, 981-987.
33. Kheshgi, H. S., and A. K. Jain, 2003: Projecting future climate change: implications of carbon cycle model intercomparisons. *Global Biogeochemical Cycles*, **17**, 1047, doi:10.1029/2001GB001842.
34. Le Quéré, C., O. Aumont, L. Bopp, P. Bousquet, P. Ciais, R. Francey, M. Heimann, C. D. Keeling, R. F. Keeling, H. Kheshgi, P. Peylin, S. C. Piper, I. C. Prentice, and P. J. Rayner, 2003: Two decades of ocean CO₂ sink and variability. *Tellus*, **55**, 649-656.
35. Kheshgi, H. S. and Archer, D. 2004. A non-linear convolution model for the evasion of CO₂ injected into the deep ocean. *Journal of Geophysical Research*, **109**, C02007, doi:10.1029/2002JC001489.
36. Kheshgi, H. S. 2004. Evasion of CO₂ injected into the ocean in the context of CO₂ stabilization, *Energy*, **29**, 1479-1486.
37. Kheshgi, H.S. 2004. Ocean carbon sink duration under stabilization of atmospheric CO₂: a 1,000-year time-scale, *Geophysical Research Letters*, **31**, L20204, doi:10.1029/2004GL020612.
38. Kheshgi, H. S., and Prince, R.: 2005. Sequestration of fermentation CO₂ from ethanol production, *Energy* , **30**, 1865-1871.

EXXON MOBIL CONTRIBUTED PUBLICATIONS

39. Kheshgi, H.S., Smith, S.J. and Edmonds, J.A. 2005. Emissions and Atmospheric CO₂ Stabilization: Long-term Limits and Paths, *Mitigation and Adaptation Strategies*, **10**, 213-220.
40. Prince, R.C. and Kheshgi, H.S. 2005. The photobiological production of hydrogen: potential efficiency and effectiveness as a renewable fuel, *Critical Reviews in Microbiology*, **31**, 19-31.
41. Flannery, B.P. and Kheshgi, H.S. 2005. *An industry perspective on successful development and global commercialization of innovative technologies for GHG mitigation*, in the proceedings of the Intergovernmental Panel on Climate Change Workshop on Industry Technology Development, Transfer and Diffusion, Tokyo, September 2004.
42. Caldeira, K., Akai, M., Brewer, P., Chen, B., Haugan, P., Iwama, T., Johnston, P., Kheshgi, H., Li, Q., Ohsumi, T., Poertner, H., Sabine, C., Shirayama, Y. and Thomson, J. (2005). Ocean storage, in *IPCC Special Report on Carbon Dioxide Capture and Storage*, eds. B. Metz, O. Davidson, H. de Coninck, M. Loos and L. Meyer. New York: Cambridge University Press.
43. Barker, T., Bashmakov, I., Alharthi, A., Amann, M., Cifuentes, L., Drexhage, J., Duan, M., Edenhofer, O., Flannery, B., Grubb, M., Hoogwijk, M., Ibitoye, F. I., Jepma, C. J. and Pizer, W. A. (2007). Mitigation from a cross-sectoral perspective, in *Climate Change 2007: Mitigation, Contribution of Working Group III to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change*, eds. B. Metz, O. R. Davidson, P. R. Bosch, R. Dave and L. A. Meyer. Cambridge: Cambridge University Press.
44. Kheshgi, H. S. 2007. Probabilistic estimates of climate change: methods, assumptions and examples, in *Human-Induced Climate Change: An Interdisciplinary Assessment*, eds. M. E. Schlesinger, H. S. Kheshgi, J. B. Smith et al. Cambridge: Cambridge University Press, pp. 49-61.
45. Birdsey, R., N. Bates, M. Behrenfeld, K. Davis, S. C. Doney, R. Feely, D. Hansell, L. Heath, E. Kasischke, H. Kheshgi, B. Law, C. Lee, A. D. McGuire, P. Raymond, and C. J. Tucker, 2009: Carbon cycle observations: gaps threaten climate mitigation policies, *EOS*, 90, 292-292.
46. Lively, R. P., R. R. Chance, B. T. Kelley, H. W. Deckman, J. H. Drese, C. W. Jones, and W. J. Koros, 2009: Hollow fiber adsorbents for CO₂ removal from flue gas, *Ind. Eng. Chem. Res.*, **48**, 7314-7324.
47. Jain, A., X. Yang, H. Kheshgi, A. D. McGuire, W. Post, and D. Kicklighter, 2009: Nitrogen attenuation of terrestrial carbon cycle response to global environmental factors, *Global Biogeochemical Cycles*, **23**, 13, doi:10.1029/2009GB003519.
48. Flannery, B.P. 2011. Comment (on the scale-up of carbon dioxide capture and storage technology systems), *Energy Economics*, **33**, 605-607.
49. Kheshgi, H., H. Thomann, N. B. Bhole, R. B. Hirsh, M. E. Parker, and G. F. Teletzke: 2012, 'Perspectives on CCS cost and economics', SPE Economics & Management, SPE-139716.
50. NRC (Panel to Review the National Climate Assessment: W. Washington et al. including H. Kheshgi): 2013, A Review of the Draft 2013 National Climate Assessment, NRC.

EXXON MOBIL CONTRIBUTED PUBLICATIONS

51. Allen, R. J., and W. Landuyt (2014), The vertical distribution of black carbon in CMIP5 models: Comparison to observations and the importance of convective transport, *J. Geophys. Res. Atmos.*, *119*, doi:10.1002/2014JD021595.
52. Song, Y., Jain, A. K., Landuyt, W., Kheshgi, H. S., and M. Khanna, 2014: Estimates of Biomass Yield for Perennial Bioenergy Grasses in the United States, *BioEnergy Research*, DOI 10.1007/s12155-014-9546-1.
53. Fishedick M., J. Roy, A. Abdel-Aziz, A. Acquaye, J. M. Allwood, J.-P. Ceron, Y. Geng, H. Kheshgi, A. Lanza, D. Perczyk, L. Price, E. Santalla, C. Sheinbaum, and K. Tanaka, 2014: Industry. In: *Climate Change 2014: Mitigation of Climate Change. Contribution of Working Group III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change* [Edenhofer, O., R. Pichs-Madruga, Y. Sokona, E. Farahani, S. Kadner, K. Seyboth, A. Adler, I. Baum, S. Brunner, P. Eickemeier, B. Kriemann, J. Savolainen, S. Schlömer, C. von Stechow, T. Zwickel and J.C. Minx (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.

EXXON MOBIL CONTRIBUTED PUBLICATIONS

ADDITIONAL PUBLICATIONS

1. Flannery, B. P., Callegari, A. J., and Hoffert M. I., 1984. Energy balance models incorporating evaporative buffering of equatorial thermal response, in *Climate Processes and Climate Sensitivity*, Maurice Ewing Volume 5, J. Hansen and T. Takahashi, editors, American Geophysical Union, Washington, DC, pp. 108-117.
2. Flannery, B. P., Callegari, A. J., Hsieh, C. T., and Wainger, 1985. CO₂ driven equator-to-pole paleotemperatures: predictions of an energy balance model with and without a tropical evaporation buffer, in *The Carbon Cycle and Atmospheric CO₂: Natural Variations Archean to Present*, Geophysical Monograph 32, E. T. Sundquist and W. S. Broecker, editors, American Geophysical Union, Washington, DC.
3. Kheshgi, H. S., 1989. The sensitivity of CO₂ projections to ocean processes. Third International Conference on Analysis and Evaluation of Atmospheric CO₂ Data, Report E.P.M.R.D. No 59, World Meteorol. Organ., Geneva, pp. 124-128.
4. Jain, A. K., Kheshgi, H. S. and Wuebbles, D. J., 1994. Integrated Science Model for Assessment of Climate Change. Proceedings of the 87th Annual Meeting of the Air & Waste Management Association, Cincinnati, Ohio: 94-TP59.08.
5. Kheshgi, H. S., 1995. Research relevant to the integrated assessment of climate change. Proceedings of the Third Japan-US Workshop on Global Change Modeling and Assessment, Honolulu, Hawaii, U.S.A., U.S. Global Change Research Program: 133-136.
6. Kheshgi, H. S., Jain, A. K. and Wuebbles, D. J., 1995. Accounting for the missing carbon sink in global carbon cycle models. Tsukuba Global Carbon Cycle Workshop, Tsukuba, Japan, Center for Global Environmental Research, CGER-I018-'95.
7. Jain, A. K., Kheshgi, H. S. and Wuebbles, D. J., 1995. Use of carbon isotopes for the calibration of global carbon cycle models. Tsukuba Global Carbon Cycle Workshop, Tsukuba, Japan, Center for Global Environmental Research, CGER-I018-'95.
8. Edmonds, J. A., Wise, M. A., Sands, R. D., Brown, R. A. and Kheshgi, H. S., 1996. Agriculture, Land Use, and Commercial Biomass Energy. Pacific Northwest Laboratory, PNNL-11155.
9. Prince, R. C. and Kheshgi, H. S., 1996. Longevity in the deep. *Trends in Ecology & Evolution*, 11: 280.
10. Kheshgi, H.S., A.K. Jain and D.J. Wuebbles, 1997. Analysis of proposed CO₂ emission reductions in the context of stabilization of CO₂ concentration, Proceedings of the Air & Waste Management Association's 90th Annual Meeting & Exhibition, Toronto, Ontario, Canada, Air & Waste Management Association; 97-TA53.02.
11. Flannery, B. P., Kheshgi, H., Marland, G. and MacCracken, M. C. 1997. Geoengineering climate, in *Engineering response to global climate change: planning a research and development agenda*, edited by R. G. Watts, CRC Press LLC.

EXXON MOBIL CONTRIBUTED PUBLICATIONS

12. Hayhoe, K. A. S., Kheshgi, H. S., Jain, A. K., and Wuebbles, D. J., 1998. Trade-Offs in Fossil Fuel Use: The Effects of CO₂, CH₄ and SO₂ Aerosol Emissions on Climate, *World Resources Review*, 10:321-333.
13. Kheshgi, H. S., and D. Archer, 1999: Modeling the Evasion of CO₂ Injected into the Deep Ocean, in *Greenhouse Gas Control Technologies*, edited by B. Eliasson, P. Riemer and A. Wokaun, pp. 287-292, Pergamon.
14. Kheshgi, H. S. and Jain, A. K. 1999. Reduction of the atmospheric concentration of methane as a strategic response option to global climate change, in *Greenhouse Gas Control Technologies*, edited by B. Eliasson, P. Riemer and A. Wokaun, pp. 775-780, Pergamon.
15. Hayhoe, K. A. S., Jain, A. K., Kheshgi, H. S. and Wuebbles, D. J., 2000. Contribution of CH₄ to Multi-Gas Reduction Targets: The Impact of Atmospheric Chemistry on GWPs. In *Non-CO₂ Greenhouse Gases: Scientific Understanding, Control and Implementation*, 425-432, Kluwer Academic Publishers, Netherlands.
16. Flannery, B. P., 2001, An Industry Perspective on Carbon Management, in *Carbon Management: Implications for R & D in the Chemical Sciences*, National Academy Press, pp. 44-59.
17. Shinn, J., Kheshgi, H., Grant, J., and Bernstein, L.: 2001, 'Technology assessment in climate change mitigation', In (D. Williams, B. Durie, P. McMullan, C. Paulson, and A. Smith eds.) *Greenhouse Gas Control Technologies: Proceedings of the 5th International Conference on Greenhouse Gas Control Technologies*, CSIRO Publishing, Collingwood, VIC, Australia, 1171-1176.
18. Le Quéré, C., O. Aumont, L. Bopp, P. Bousquet, P. Ciais, R. Francey, M. Heimann, R. Keeling, H. Kheshgi, P. Peylin, S. Piper, I. C. Prentice and P. Rayner, *Two decades of ocean CO₂ sink and variability* 6th International CO₂ Conference, October 1-5, Sendai, Japan, 2001.
19. Rickeard, D. J. and Kheshgi, H. S. 2002. European fuel and vehicle options for the future -- focus on biofuels, in *Proceedings of the 29th FISITA World Automotive Congress*, <http://www.fisita2002.com/fisita.html>, FISITA.
20. Kheshgi, H. S. 2002. Ethanol for transportation, *Issues in Science and Technology online* **Spring 2002**, <http://www.nap.edu/issues/18.3/forum.html>.
21. Choudhury, R, R Wurster, T Weber, J Schindler, W Weindorf, M Miller, N Brinkman, A Armstrong, D Rickeard, G Jersey, M Kerby, H Kheshgi, J Robbins, J Cadu, D Le Breton, O Dautrebande: 2002, GM Well-to-wheel analysis of energy use and greenhouse gas emissions of advanced fuel/vehicle systems-A European study. *Ottobrunn, September*.
22. Hoffert, M.I., K. Caldeira, G. Benford, D.R. Criswell, C. Green, H. Herzog, A.K. Jain, H.S. Kheshgi, K.S. Lackner, J.S. Lewis, H.D. Lightfoot, W. Manheimer, J.C. Mankins, M.E. Mauel, L.J. Perkins, M.E. Schlesinger, T. Volk and T.M.L. Wigley, 2003. Planning for future energy resources (response letter), *Science*, 300, 582-583.

EXXON MOBIL CONTRIBUTED PUBLICATIONS

23. Khashgi, H. S. 2003. Evasion of CO₂ injected into the ocean in the context of CO₂ stabilization, in *Greenhouse Gas Control Technologies*, edited by J. Gale and Y. Kaya, pp. 811-816, Pergamon, Amsterdam.
24. Khashgi, H. S. and D. J. Rickeard, 2003. Greenhouse gas emissions from bio-ethanol and bio-diesel fuel supply systems, in *Greenhouse Gas Control Technologies*, edited by J. Gale and Y. Kaya, pp. 1419-1424, Pergamon, Amsterdam.
25. Khashgi, H. and M. Khanna, Eds. 2004. *Climate Change and Environmental Policy, Mitigation and Adaptation Strategies for Global Change*, Amsterdam, Kluwer Academic Publishers.
26. Khanna, M. and H. Khashgi, 2004. Climate change and environmental policy, *Mitigation and Adaptation Strategies for Global Change*, 9, 311-313.
27. Khashgi, H., Cappelen, F., Crookshank, S., Heilbrunn, A., Lee, A., Mikus, T., Robson, W., Senior, B. and Stileman, T., *Carbon dioxide capture and geological storage: contributing to climate change solutions* 18th World Petroleum Congress, Johannesburg, Petroleum Economist, 2005.
28. Imbus, S., Orr, F. M., Kuuskraa, V. A., Khashgi, H., Bennaceur, K., Gupta, N., Rigg, A., Hovorka, S., Myer, L. and Benson, S. 2006. *Critical issues in CO₂ capture and storage: findings of the SPE advanced technology workshop (ATW) on carbon sequestration*. Society of Petroleum Engineers, SPE-102968.
29. Khashgi, H., Cappelen, F., Crookshank, S., Heilbrunn, A., Lee, A., Mikus, T., Robson, W., Senior, B., Stileman, T. and Warren, L. 2006. *Carbon dioxide capture and geological storage: contributing to climate change solutions*. Society of Petroleum Engineers, SPE-98583-PP.
30. R. Bose and H. Khashgi, Review Eds., 2007. Transport and its infrastructure, in *Climate Change 2007: Mitigation, Contribution of Working Group III to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change*, eds. B. Metz, O. R. Davidson, P. R. Bosch, R. Dave and L. A. Meyer. Cambridge: Cambridge University Press.
31. Schlesinger, M. E., Khashgi, H., Smith, J. B., de la Chesnaye, F. C., Reilly, J. M., Wilson, T. and Kolstad, C., Eds., 2007. *Human-Induced Climate Change: An Interdisciplinary Assessment*. Cambridge: Cambridge University Press, 426 pages.
32. Khashgi, H., Shires, T., Lev-On, M., Siveter, R., Ritter, K., Hochhalter, T., 2008. *Harmonizing the quantification of greenhouse gas emission reductions through oil and gas industry project guidelines*, 19th World Petroleum Congress, Spain.
33. Benge, G., 2009: Improving wellbore seal integrity in CO₂ injection wells, *Energy Procedia*, 1, 3523-3529.
34. Hershkowitz, F., H. W. Deckman, J. W. Frederick, J. W. Fulton, and R. F. Socha, 2009: Pressure swing reforming: a novel process to improve cost and efficiency of CO₂ capture in power generation, *Energy Procedia*, 1, 683-688.

EXXON MOBIL CONTRIBUTED PUBLICATIONS

35. Kheshgi, H. S., S. Crookshank, P. Cunha, A. Lee, L. Bernstein, and R. Siveter, 2009: Carbon capture and storage business models, *Energy Procedia*, 1, 4481-4486.
36. Northrop, P. S., and J. A. Valencia, 2009: The CFZTM process: a cryogenic method for handling high-CO₂ and H₂S gas reserves and facilitating geosequestration of CO₂ and acid gases, *Energy Procedia*, 1, 171-177.
37. Parker, M. E., J. P. Meyer, and S. Meadows, 2009: Carbon dioxide enhanced oil recovery injection operations technologies, *Energy Procedia*, 1, 3141-3148.
38. Ritter, K., R. Siveter, M. Lev-On, T. Shires, and H. S. Kheshgi, 2009: Harmonizing the quantification of CCS GHG emission reductions through oil and natural gas industry project guidelines, *Energy Procedia*, 1, 4451-4458.
39. Wilkinson, J., R. Szafranski, K.-S. Lee, and C. Kratzing, 2009: Subsurface design considerations for carbon dioxide storage, *Energy Procedia*, 1, 3047-3054.
40. Xiao, Y., T. Xu, and K. Pruess, 2009: The effects of gas-fluid-rock interactions on CO₂ injection and storage: insights from reactive transport modeling, *Energy Procedia*, 1, 1783-1790.
41. Parker, M. E., S. Northrop, J. A. Valencia, R. E. Foglesong, and W. T. Duncan: 2009, 'CO₂ management at ExxonMobil's LaBarge field, Wyoming, USA', International Petroleum Technology Conference, IPTC 13258.
42. Sweatman, R. E., M. E. Parker, and S. L. Crookshank: 2009, 'Industry experience with CO₂-enhanced oil recovery technology', Society of Petroleum Engineering, SPE 126446.
43. Kheshgi, H., A. Lee, O. Levang, M. Linhares, J. M. Juez, B. Poot, and R. Siveter: 2010, 'Increasing the Pace of Technology Innovation and Application to Enable Climate Change Solutions', Society of Petroleum Engineers, SPE-126678.
44. Kheshgi, H., N. B. Bhore, R. B. Hirsh, M. E. Parker, G. F. Teletzke, and H. Thomann: 2010, 'Perspectives on CCS cost and economics', Society of Petroleum Engineers, SPE-139716.
45. Feldman, A., V. Rabl, H. Kheshgi, R. Wright, and D. Keairns (2010). Carbon management project and electric power generation scorecard. *Energy Tech*. July 2010.
46. Burgers, W. F. J., P. S. Northrop, H. S. Kheshgi, and J. A. Valencia, 2011: Worldwide development potential for sour gas, *Energy Procedia*, 4, 2178-2184.
47. de Coninck, H. and J. Kessels and H. Kheshgi, Eds: 2012, 'Special Issue: Five years after the IPCC Special Report on Carbon Dioxide Capture and Storage: state of play', *Mitigation and Adaptation Strategies for Global Change*, 17:6.
48. Kheshgi, H., de Coninck, H. and J. Kessels: 2012, 'Carbon dioxide capture and storage: seven years after the IPCC special report', *Mitigation and Adaptation Strategies for Global Change*, 17:6:563-567, DOI 10.1007/s11027-012-9391-5.

EXXON MOBIL CONTRIBUTED PUBLICATIONS

49. Kheshgi, H., R. B. Hirsh, M. E. Parker, G. F. Teletzke, and H. Thomann: 2012, Carbon Dioxide Capture and Storage: Perspectives on Cost and Economics; Proceedings of the 2012 World Gas Conference.
50. A. Abdulla, H. Kheshgi, and H. Xu, Review Eds., 2014. Key economic sectors and services. In: Climate Change 2014: Impacts, Adaptation, and Vulnerability. Part A: Global and Sectoral Aspects. Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Arent, D.J., R.S.J. Tol, E. Faust, J.P. Hella, S. Kumar, K.M. Strzepek, F.L. Tóth, and D. Yan (authors)] [Field, C.B., V.R. Barros, D.J. Dokken, K.J. Mach, M.D. Mastrandrea, T.E. Bilir, M. Chatterjee, K.L. Ebi, Y.O. Estrada, R.C. Genova, B. Girma, E.S. Kissel, A.N. Levy, S. MacCracken, P.R. Mastrandrea, and L.L. White (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, pp. 659-708.
51. Landuyt, W., A. Lee, L. Verduzco, J. Castaneda, and R. Siveter: 2014, Addressing adaptation to climate risks in the oil and gas industry; SPE International Conference on Health, Safety and Environment; SPE 168370.