Thomas F. Stocker: List of Publications 1986 - 2021

International Scientific Impact Measured by ISI

ISI Web of Science (accessed 26.2.2021, search for "stocker tf or stocker t" and "zurich or london or montreal or palisades or bern or berne" and "1986-2021", excluding Meeting Abstract, Biographical Item): 248 publications, 25,925 citations, h=76; 58 papers >=100 citations of which 8 first authored.

1. Books

1. Stocker T., K. Hutter, 1987, *Topographic Waves in Channels and Lakes on the f-Plane*. Lecture Notes on Coastal and Estuarine Studies 21, Springer, 173pp.
2. Leuenberger, M., S. Borella, T. Stocker, M. Saurer, R. Siegwolf, F. Schweingruber, R. Matyssek, 1998, *Stable isotopes in tree rings as climate and stressindicators*. Final Report NRP 31, vdf Hochschulverlag, Zürich, 200pp.
3. Alley, R.A., Marotzke M., Nordhaus W., Overpeck J., Peteet D., Pielke R., Pierrehumbert R. Rhines P., Stocker T., Talley L., Wallace J.M., 2002, *Abrupt Climate Change: Inevitable Surprises*. US. National Research Council Report, National Academy Press, Washington DC. 230 pp.
4. Stocker, T., 2011, *Introduction to Climate Modelling*, Advances in Geophysical and Environmental Mechanics and Mathematics, K. Hutter (ed.), Springer Verlag, 179 pp.

2. Articles in Refereed Journals

1. Stocker T., K. Hutter, 1986, One-dimensional models for topographic Rossby waves in elongated basins on the f-plane. *J. Fluid Mech. 170*, 435-459.
2. Stocker T., K. Hutter, 1987, Topographic waves in rectangular basins. *J. Fluid Mech. 185*, 107-120.
3. Stocker T., 1988, A numerical study of topographic wave reflection in semi-infinite channels*. J. Phys. Oceanogr. 18*, 609-618.
4. Stocker T.F., E.R. Johnson, 1989, Topographic waves in open domains. Part 2: Bay modes and resonances. *J. Fluid Mech. 200*, 77-93.
5. Wright D.G., T.F. Stocker, L.A. Mysak, 1990, A note on Quaternary climate models using Boolean delay equations. *Climate Dynamics 4*, 263-267.
6. Stocker T.F., E.R. Johnson, 1991, The trapping and scattering of topographic waves by estuaries and headlands*. J. Fluid Mech. 222*, 501-524.
7. Stocker T.F., D.G. Wright, 1991, Rapid transitions of the ocean's deep circulation induced by changes in the surface water fluxes. *Nature 351*, 729-732.
8. Wright D.G., T.F. Stocker, 1991, A zonally averaged ocean model for the thermohaline circulation. Part I: Model development and flow dynamics. *J. Phys. Oceanogr. 21*, 1713-1724.
9. Stocker T.F., D.G. Wright, 1991, A zonally averaged ocean model for the thermohaline circulation. Part II: Interocean circulation in the Pacific-Atlantic basin system. *J. Phys. Oceanogr. 21*, 1725-1739.
10. Stocker T.F., L.A. Mysak, 1992, Climatic fluctuations on the century timescale: a review of high-resolution proxy-data. *Climatic Change 20*, 227-250.
11. Stocker T.F., D.G. Wright, L.A. Mysak, 1992, A zonally averaged, coupled ocean-atmosphere model for paleoclimate studies. *J. Climate 5*, 773-797.
12. Stocker T.F., W.S. Broecker, 1992, North Atlantic Deep Water Formation, *EOS Transactions, American Geophysical Union 73*, 202-203.
13. Mysak L.A., T.F. Stocker, F. Huang, 1992, Century-scale variability in a randomly forced, two-dimensional thermohaline ocean circulation model. *Climate Dynamics 8*, 103-116.
14. Wright D.G., T.F. Stocker, 1992, Sensitivities of a zonally averaged global ocean circulation model. *J. Geophys. Res. 97*, 12707-12730.
15. Stocker T.F., D.G. Wright, W.S. Broecker, 1992, Influence of high-latitude surface forcing on the global thermohaline circulation. *Paleoceanogr. 7*, 529-541. (corrected page*) Paleoceanogr. 7*, 863-864.
16. Stocker T.F., W.S. Broecker, D.G. Wright, 1994, Carbon uptake experiments with a zonally averaged global ocean circulation model. *Tellus 46B*, 103-122.
17. Stocker T.F., W.S. Broecker, 1994, Observation and modeling of North Atlantic deep water formation and its variability: Introduction. *J. Geophys. Res. 99*, 12317.

18. Zaucker F., T.F. Stocker, W.S. Broecker, 1994, Observed and modeled freshwater fluxes and their effect on the global thermohaline circulation. *J. Geophys. Res. 99*, 12443-12458.
19. Lynch-Stieglitz J., T.F. Stocker, W.S. Broecker, R.G. Fairbanks, 1995, The influence of air-sea exchange on the isotopic composition of organic carbon: observations and modeling. *Global Biogeochemical Cycles 9*, 653-665.
20. Joos F., M. Bruno, R. Fink, U. Siegenthaler, T.F. Stocker, C. Le Quéré, J. Sarmiento, 1996, An efficient and accurate representation of complex oceanic and biospheric models of anthropogenic carbon uptake. *Tellus 48B*, 397-417.
21. Gruber N., J.L. Sarmiento, T.F. Stocker, 1996, An improved method for detecting anthropogenic CO_2 in the oceans. *Global Biogeochemical Cycles 10*, 809-837.
22. Stocker T.F., 1996, An overview of climatic variability on the decadal-to-century time scale: models and mechanisms. In: *Decadal Climate Variability: Dynamics and Predictability*, D.L.T. Anderson and J. Willebrand (eds)., NATO ASI I44, 379-406.
23. Stocker T.F., D.G. Wright, 1996, Rapid changes in ocean circulation and atmospheric radiocarbon. *Paleoceanogr. 11*, 773-796.
24. Stocker T.F., A. Schmittner, 1997, Influence of CO_2 emission rates on the stability of the thermohaline circulation, *Nature 388*, 862-865.
25. Blunier T., J. Schwander, B. Stauffer, T. Stocker, A. Dällenbach, A. Indermühle, J. Tschumi, J. Chappellaz, D. Raynaud, J.-M. Barnola, 1997, Timing of temperature variations during the last deglaciation in Antarctica and the atmospheric CO_2 increase with respect to the Younger Dryas event. *Geophys. Res. Lett. 24*, 2683-2686.
26. Stauffer B., T. Blunier, A. Dällenbach, A. Indermühle, J. Schwander, T.F. Stocker, J. Tschumi, J. Chappellaz, D. Raynaud, C.U. Hammer, H.B. Clausen, 1998, Atmospheric CO_2 and millennial-scale climate change during the last glacial period. *Nature 392*, 59-62.
27. Wright D.G., T.F. Stocker, D. Mercer, 1998, Closures used in zonally averaged ocean models. *J. Phys. Oceanogr. 28*, 791-804.
28. Appenzeller C., J. Schwander, S. Sommer, T.F. Stocker, 1998. The North Atlantic Oscillation and its imprint on precipitation and ice accumulation in Greenland. *Geophys. Res. Lett. 25*, 1939-1942.
29. Marchal O., T.F. Stocker, F. Joos, 1998, Impact of global reorganizations on the ocean carbon cycle and atmospheric carbon dioxide content, *Paleoceanogr. 13*, 225-244.
30. Gruber N., C.D. Keeling, T.F. Stocker, 1998, Carbon-13 constraints on the seasonal inorganic carbon budget at the BATS site in the northwestern Sargasso Sea, *Deep Sea Res. I, 45*, 673-717.
31. Hormes A., C. Schlüchter, T. Stocker, 1998. Minimal extension phases of Unteraargletscher (Swiss Alps) during the Holocene based on ^{14}C analysis of wood. *Radiocarbon 40*, 809-818.
32. Stocker T.F., Wright, D.G., 1998, The effect of a succession of ocean ventilation changes on radiocarbon. *Radiocarbon 40*, 359-366.
33. Marchal O., T.F. Stocker, F. Joos, 1998, A latitude-depth circulation-biogeochemical ocean model for paleoclimate studies. Development and sensitivities. *Tellus 50B*, 290-316.
34. Blunier T., J. Chappellaz, J. Schwander, A. Dällenbach, B. Stauffer, T.F. Stocker, D. Raynaud, J. Jouzel, H.B. Clausen, C.U. Hammer, S. J. Johnsen, 1998. Asynchrony of Antarctic and Greenland climate change during the last glacial period. *Nature 394*, 739-743.
35. Appenzeller C., T.F. Stocker, M. Anklin, 1998, North Atlantic Oscillation dynamics recorded in Greenland ice cores. *Science 282*, 446-449.
36. Indermühle A., T.F. Stocker, F. Joos, H. Fischer, H.J. Smith, M. Wahlen, B. Deck, D. Mastroianni, J. Tschumi, T. Blunier, R. Meyer, B. Stauffer, 1999, Holocene carbon-cycle dynamics based on CO_2 trapped in ice at Taylor Dome, Antarctica, *Nature 398*, 121-126.
37. Joos F., G.-K. Plattner, T.F. Stocker, O. Marchal, A. Schmittner, 1999, Global warming and marine carbon cycle feedbacks on future atmospheric CO_2. *Science 284*, 464-467.
38. Schmittner A., T.F. Stocker, 1999, The stability of the thermohaline circulation in global warming experiments. *J. Climate 12*, 1117-1133.
39. Hirschi J., J. Sander, T.F. Stocker, 1999, Intermittent convection, mixed boundary conditions and the stability of the thermohaline circulation. *Climate Dyn. 15*, 277-291.
40. Marchal O., T.F. Stocker, F. Joos, J. Tschumi, A. Indermühle, B. Stauffer, 1999, Modelling the concentration of atmospheric CO_2 during the Younger Dryas climate event. *Climate Dyn. 15*, 341-354.
41. Stocker T.F., 1999, Abrupt climate changes: from the past to the future – a review. *Int. J. Earth Sci. 88*, 365-374.

42. Gruber N., C.D. Keeling, R.B. Bacastow, P.R. Guenther, T.J. Luecker, M. Wahlen, H.A.J. Meijer, W.G. Mook, T.F. Stocker, 1999, Spatiotemporal patterns of carbon-13 in the global surface oceans and the oceanic Suess effect. *Global Biogeochem. Cyc. 13*, 307-355.
43. Flückiger J., A. Dällenbach, T. Blunier, B. Stauffer, T.F. Stocker, D. Raynaud, J.M. Barnola, 1999, Variations in atmospheric N_2O concentration during abrupt climatic changes*. Science 285*, 227-230.
44. Vidal L., R. Schneider, O. Marchal, T. Bickert, T.F. Stocker, G. Wefer, 1999, Link between the North and the South Atlantic during the Heinrich events of the last glacial period*. Climate Dyn. 15*, 909-919.
45. Marchal O., T.F. Stocker, F. Joos, 1999, Physical and biogeochemical responses to freshwater-induced thermohaline variability in a zonally averaged ocean model. In*: Mechanisms of Global Climate Change at Millennial Time Scales*, Geophysical Monograph 112, P. U. Clark et al. (eds), 263-284.
46. Indermühle A., B. Stauffer, T.F. Stocker, D. Raynaud, J.-M. Barnola, 1999, Technical Comment to Wagner et al. 1999, Science 284, 1971-1973. *Science 286*, 1815a.
47. Blunier, T., T.F. Stocker, J. Chappellaz, D. Raynaud, 1999, Phase lag of Antarctic and Greeland temperature in the last glacial and link between CO_2 variations and Heinrich events. In: *Reconstructing Ocean History: A Window into the Future*, F. Abrantes, A. Mix (eds.), 121-138.
48. Broecker, W., J. Lynch-Stieglitz, D. Archer, M. Hofmann, E. Maier-Reimer, O. Marchal, T. Stocker, N. Gruber, 1999, How strong is the Harvardton-Bear constraint*? Global Biogeochem. Cyc. 13*, 817-820.
49. Schmittner A., C. Appenzeller, T.F. Stocker, 2000, Validation of parameterizations of the meridional energy and moisture transport used in simple climate models. *Climate Dyn. 16*, 63-77.
50. Stocker, T.F., 2000, Past and future reorganizations in the climate system. *Quat. Sci. Rev. 19*, 301-319.
51. Stocker, T.F., O. Marchal, 2000, Abrupt climate change in the computer: is it real? *Proc. US Natl. Acad. Sci. 97*,1362-1365.
52. Indermühle A., E. Monnin, B. Stauffer, T.F. Stocker, M. Wahlen, 2000, Atmospheric CO_2 concentration from 60 to 20 kyr BP from the Taylor Dome ice core, Antarctica*. Geophys. Res. Lett.27*, 735-738
53. Knutti R., T.F. Stocker, D.G. Wright, 2000, The effects of sub-grid-scale parameterizations in a zonally averaged ocean model. *J. Phys. Oceanogr.30*, 2738-2752.
54. Schmittner A., C. Appenzeller, T.F. Stocker, 2000, Enhanced Atlantic freshwater export during El Niño. *Geophys. Res. Lett. 27*, 1163-1166.
55. Knutti R., T.F. Stocker, 2000, Influence of the thermohaline circulation on projected sea level rise. *J. Climate 13*, 1997-2001.
56. Aeberhardt, M. M. Blatter, T.F. Stocker, 2000, Variability on the century time scale and regime changes in a stochastically forced zonally averaged ocean-atmosphere model. *Geophys. Res. Lett. 27*, 1303-1306.
57. Marchal O., R. François, T.F. Stocker, F. Joos, 2000, Ocean thermohaline circulation and sedimentary $^{231}Pa/^{230}Th$ ratio. *Paleoceanogr. 15*, 625-641.
58. Schmittner A., T.F. Stocker, 2001, A seasonally forced ocean-atmosphere model for paleoclimate studies. *J. Climate 14*, 1055-1068.
59. Monnin E., A. Indermühle, A. Dällenbach, J. Flückiger, B. Stauffer, T.F. Stocker, D. Raynaud, J.-M. Barnola, 2001, Atmospheric CO_2 concentrations over the last glacial termination. *Science 291*, 112-114.
60. Marchal O., T.F. Stocker, R. Muscheler, 2001, Atmospheric radiocarbon during the Younger Dryas: Production, ventilation or both? *Earth Planet. Sci. Lett. 185*, 383-395.
61. Plattner, G.-K., F. Joos, T. F. Stocker, O. Marchal, 2001, Feedback mechanisms and sensitivites of ocean carbon uptake under global warming. *Tellus 53B,* 564-592.
62. Appenzeller, C., T.F. Stocker, A. Schmittner, 2001, Natural climate variability and climate change in the North Atlantic European region: chance for surprise? *Integrated Assessment 1,*301-306.
63. Stocker, T.F., R. Knutti, G.-K. Plattner, 2001, The future of the thermohaline circulation - a perspective. In: *The Oceans and Rapid Climate Change: Past, Present, and Future*, Geophysical Monograph 126, D. Seidov et al. (eds), 277-293.
64. Stocker T.F., 2001, Non-linearities in the Earth system: the ocean's role*.* In: *Geosphere-Biosphere Interactions and Climate*, L. O. Bengtsson, C. U. Hammer (eds.), Cambridge, 147-162.
65. Knutti R., T.F. Stocker, 2002, Limited predictability of the future thermohaline circulation close to an instability threshold. *J. Climate 15,* 179-186.
66. Marchal O., I. Cacho, T.F. Stocker, J.O. Grimalt, E. Calvo, B. Martrat, N. Shackleton, M. Vautravers, E. Cortijo, S. van Kreveld, C. Andersson, N. Koc, M. Chapman, L. Sbaffi, J.-C. Duplessy, M. Sarnthein, J.-L. Turon, J. Duprat, E. Jansen, 2002, Apparent long-term cooling of the sea surface in the northeast Atlantic and Mediterranean during the Holocene. *Quaternary Science Reviews 21,* 455-483.
67. Hirschi J., T.F. Stocker, 2002, Rapid changes of the oceanic circulation in a hierarchy of ocean models. *Tellus 54A,* 273-287.

68. Clark P.U., Pisias, N.G., Stocker, T.F., Weaver, A.J., 2002, The role of the thermohaline circulation in abrupt climate change. *Nature 415,* 863-869.
69. Flückiger J., E. Monnin, B. Stauffer, J. Schwander, T.F. Stocker, J. Chappellaz, D. Raynaud, J.-M. Barnola, 2002, High resolution Holocene N_2O ice core record and its relationship with CH_4 and CO_2, *Global Biogeochem. Cyc. 16,* 10.1029/2001GB001417
70. Knutti R., T.F. Stocker, F. Joos, G.-K. Plattner, 2002, Constraints on climate sensitivity and future climate change from observations and climate model ensembles, *Nature 416,* 719-723.
71. Plattner G.-K., F. Joos, T.F. Stocker, 2002, Revision of the global carbon budget due to changing air-sea oxygen fluxes. *Global Biogeochem. Cyc. 16,* 1096.
72. Gerber S., F. Joos, P.P. Brügger, T.F. Stocker, M.E. Mann, S. Sitch, M. Scholze, 2002, Constraining temperature variations over the last millennium by comparing simulated and observed atmospheric CO_2. *Climate Dynamics 20,* 281-299.
73. Luder T., W. Benz, T.F. Stocker, 2002, Modeling long-term climatic effects of impacts: First Results. In: C. Koeberl, K.G. MacLeod (eds.), *Catastrophic Events and Mass Extinctions: Impacts and Beyond*. Geol. Soc. Am. Spec. Paper 356, 717-729.
74. Leuenberger M.C., M. Eyer, P. Nyfeler, B. Stauffer, T.F. Stocker, 2002, High resolution $\delta^{13}C$ measurements on ancient air extracted from less than 10 cm^3 of ice. *Tellus 55B,* 138-144.
75. Goldstein B., F. Joos, T.F. Stocker, 2003, A modeling study of oceanic nitrous oxide during the Younger Dryas cold period. *Geophys. Res. Lett. 30*, 1092
76. Alley R.B., J. Marotzke, W.D. Nordhaus, J.T. Overpeck, D.M. Peteet, R.A. Pielke Jr., R.T. Pierrehumbert, P.B. Rhines, T.F. Stocker, L.D. Talley, J.M. Wallace, 2003, Abrupt climate change, *Science 299,* 2005-2010.
77. Joos, F., G.-K. Plattner, T.F. Stocker, A. Körtzinger, D.W.R. Wallace, 2003, Trends in marine dissolved oxygen: Implications for ocean circulation changes and the carbon budget. *EOS Trans. American Geophysical Union 84,* 197-201.
78. Delaygue G., T.F. Stocker, F. Joos, G.-K. Plattner, 2003, Simulation of atmospheric radiocarbon during abrupt oceanic circulation changes: sensitivity to model parameters. *Quat. Sci. Rev. 22,* 1647-1658.
79. Hormes A., F. Preusser, G. Denton, I. Hajdas, D. Weiss, T.F. Stocker, C. Schlüchter, 2003, Radiocarbon and luminescence dating of overbank deposits in outwash sediments of the Last Glacial Maximum in North Westland, New Zealand. *New Zealand J. of Geolog. Geophys., 46,* 95-106.
80. Knutti R., T.F. Stocker, F. Joos, G.-K. Plattner, 2003, Probabilistic climate change projections using neural networks. *Clim. Dyn. 21,* 257-272.
81. Luder, T. W. Benz, T.F. Stocker, 2003, A model for long-term climatic effects of impacts. *J. Geophys. Res. 108,* 5054.
82. Stocker T.F., S.J. Johnsen, 2003, A minimum thermodynamic model for the bipolar seesaw. *Paleoceanogr 18,* 1087.
83. Flückiger J., T. Blunier, B. Stauffer, J. Chappellaz, R. Spahni, K. Kawamura, J. Schwander, T.F. Stocker, D. Dahl-Jensen, 2004, N_2O and CH_4 variations during the last glacial epoch: Insight into global processes. *Global Biogeochem. Cycles 18*, GB1020.
84. EPICA Members, 2004, Eight glacial cycles from an Antarctic ice core. *Nature 429,* 623-628.
85. Monnin E. E.J. Steig, U. Siegenthaler, K. Kawamura, J. Schwander, B. Stauffer, T.F. Stocker, D.L. Morse, J.-M. Barnola, B. Bellier, D. Raynaud, H. Fischer, 2004, Evidence for substantial accumulation rate variability in Antarctica during the Holocene through synchronisation of CO_2 in the Taylor Dome, Dome C and DML ice cores. *Earth Planet. Sci. Lett.224,* 45-54.
86. Knutti R., J. Flückiger, T.F. Stocker, A. Timmermann, 2004, Strong hemispheric coupling of glacial climate through freshwater discharge and ocean circulation. *Nature 430,* 851-856.
87. NorthGRIP Members, 2004, High resolution record of northern hemisphere climate extending into the last interglacial period. *Nature 431,* 147-151.
88. Siegenthaler U., E. Monnin, K. Kawamura, R. Spahni, J. Schwander, B. Stauffer, T.F. Stocker, J.-M. Barnola, H. Fischer, 2005, Supporting evidence from EPICA Dronning Maud Land ice core for atmospheric CO_2 changes during the past millennium. *Tellus 57B,* 51-57.
89. Longworth H., J. Marotzke, T.F. Stocker, 2005, Ocean gyres and abrupt change in the thermohaline circulation: A conceptual analysis. *J. Climate 18,* 2403-2416.
90. Siddall, M., G.M. Henderson, N.R. Edwards, M. Frank, S.A. Müller, T.F. Stocker, F. Joos, , 2005, $^{231}Pa/^{230}Th$ fractionation by ocean transport, biogenic particle flux and particle type. *Earth Planet. Sci. Lett. 237,* 135-155.
91. Wolff, E.W., C. Kull, J. Chappellaz, H. Fischer, C. Kull, H. Miller, T.F. Stocker, A.J. Watson, B. Flower, F. Joos, P. Köhler, K. Matsumoto, E. Monnin, M. Mudelsee, D. Paillard, N. Shackleton, 2005, Modelling past

atmospheric CO_2: Results of a challenge. *EOS: Transactions of the American Geophysical Union 86*, 341-345.
92. Raible C.C., T.F. Stocker, M. Yoshimori, M. Renold, U. Beyerle, C. Casty, J. Luterbacher, 2005, Northern hemispheric trends of pressure indices and atmospheric circulation patterns in observations, reconstructions, and GCM simulations. *J. Climate 18,* 3968-3982
93. Knutti, R., F. Joos, S.A. Müller, G.-K. Plattner, T.F. Stocker, 2005, Probabilistic climate change projections for stabilization profiles. *Geophys. Res. Lett., 32*, L20707.
94. Yoshimori, M., T.F. Stocker, C.C. Raible, M. Renold, 2005, Externally-forced and internal variability in ensemble climate simulations of the Maunder Minimum. *J. Climate 18*, 4253-4270.
95. Siegenthaler, U., T.F. Stocker, E. Monnin, D. Lüthi, J. Schwander, B. Stauffer, D. Raynaud, J.-M. Barnola, H. Fischer, V. Masson-Delmotte, and J. Jouzel, 2005, Stable carbon cycle-climate relationship during the Late Pleistocene, *Science 310*, 1313-1317.
96. Spahni, R., J. Chappellaz, T.F. Stocker, L. Loulergue, G. Hausammann, K. Kawamura, J. Flückiger, J. Schwander, D. Raynaud, V. Masson-Delmotte, and J. Jouzel, 2005, Atmospheric methane and nitrous oxide of the Late Pleistocene from Antarctic ice cores, *Science 310*, 1317-1321.
97. Hutterli, M.A., C.C. Raible, and T.F. Stocker, 2005, Reconstructing climate variability from Greenland ice sheet accumulation records: An ERA40 study, *Geophys. Res. Lett 32.*, L23721.
98. Wolff, E.W., H. Fischer, F. Fundel, U. Ruth, B. Twarloh, G.C. Littot, R. Mulvaney, R. Rothlisberger, M. de Angelis, C.F. Boutron, M. Hansson, U. Jonsell, M. Hutterli, F. Lambert, P. Kaufmann, B. Stauffer, T.F. Stocker, J.P. Steffensen, M. Bigler, M.L. Siggard-Andersen, R. Udisti, S. Becagli, E. Castellano, M. Severi, D. Wagenbach, C. Barbante, P. Gabrielli, V. Gaspari, 2006, Southern Ocean sea ice extent, productivity and iron flux over the last eight glacial cycles. *Nature 440*, 491-496.
99. Bigler, M., R. Röthlisberger, F. Lambert, T.F. Stocker, D. Wagenbach, 2006, Aerosol deposited in East Antarctica, over the last glacial cycle: Detailed apportionment of continental and sea salc contributions. *J. Geophys. Res., 111,* D08205.
100. Huber C., M. Leuenberger, R. Spahni, J. Flückiger, J. Schwander, T.F. Stocker, S.J. Johnsen, A. Landais, J. Jouzel, 2006, Isotope calibrated Greenland temperature record over Marine Isotope Stage 3 and its relation to CH_4. *Earth Planet. Sci. Lett. 243,* 504-519.
101. Mölg, T., M. Renold, M. Vuille, N.J. Cullen, T.F. Stocker, G. Kaser, 2006, Indian Ocean zonal mode activity in a multi-century integration of a coupled AOGCM consistent with climate proxy data. *Geophys. Res. Lett. 33,* L18710.
102. Joerin, U.E., T.F. Stocker, C. Schlüchter, 2006, Multi-century glacier fluctuations in the Swiss Alps during the Holocene. *Holocene 16,* 697-704.
103. EPICA Community Members, 2006, One-to-one coupling of glacial climate variability in Greenland and Antarctica. *Nature 444*, 193-198.
104. Müller, S.A., F. Joos, N.R. Edwards, T.F. Stocker, 2006, Water mass distribution and ventilation time scales in a cost-efficient, 3-dimensional ocean model. *J. Climate 19,* 5479-5499.
105. Schwierz, C., C. Appenzeller, H.C. Davies, M.A. Liniger, W. Müller, T.F. Stocker, M. Yoshimori, 2006, Challenges posed by and approaches to the study of seasonal-to-decadal climate variability. *Clim. Change 79*, 31-63.
106. Bahn, O., L. Drouet, N. Edwards, A. Haurie, R. Knutti, S. Kypreos, T.F. Stocker, J.-P. Vial, 2006, The coupling of optimal economic growth and climate dynamics. *Clim. Change 79*, 103-119.
107. Yoshimori, M., C.C. Raible, T.F. Stocker, M. Renold, 2006, On the interpretation of low-latitude hydrological proxy records based on Maunder Minimum AOGCM simulations. *Clim. Dyn. 27*, 493-513.
108. Siddall, M., T.F. Stocker, R. Spahni, T. Blunier, J. McManus, E. Bard, 2007, Using a maximum simplicity paleoclimate model to simulate millennial variability during the last four glacial periods. *Quat. Sci. Rev*. 25, 3185-3197.
109. Tomassini, L., P. Reichert, R. Knutti, T.F. Stocker, M.E. Borsuk, 2007, Robust Bayesian uncertainty analysis of climate system properties using Markov chain Monte Carlo methods. *J. Climate20,* 1239-1254.
110. Raible, C.C., M. Yoshimori, T.F. Stocker, C. Casty, 2007, Extreme midlatitude cyclones and their implications for precipitation and wind speed extremes in simulations of the Maunder Minimum versus present day conditions, *Clim. Dyn., 27*, 409-423.
111. Siddall M., T.F. Stocker, T. Blunier, R. Spahni, J. Schwander, J.-M. Barnola, J. Chappellaz, 2007, Marine Isotope Stage (MIS) 8 millennial variability stratigraphically identical to MIS 3. *Paleoceanogr. 22*, PA1208.
112. Hutterli, M.A., T. Crueger, H. Fischer, K.K. Andersen, C.C. Raible, T.F. Stocker, M.-L. Siggaard-Andersen, J.R. McConnell, R.C. Bales, J.F. Burkhart, 2007, The influence of regional circulation patterns on wet and dry mineral dust and sea salt deposition over Greenland, *Climate Dyn. 28,* 635-647.

113. Siddall, M., T.F. Stocker, G.M. Henderson, F. Joos, M. Frank, N.R. Edwards, S. Ritz, S.A. Müller, 2007, Modelling the relationship between $^{231}Pa/^{230}Th$ distribution in North Atlantic sediment and Atlantic meridional overturning circulation. *Paleoceanogr. 22,* PA2214.
114. Martrat B., J.O. Grimalt, N.J. Shackleton, L. de Abreu, M.A. Hutterli, T.F. Stocker, 2007, Four climate cycles of recurring deep and surface water destabilizations on the Iberian Margin. *Science 317*, 502-507.
115. Jouzel, J., V. Masson-Delmotte, O. Cattani, G. Dreyfus, S. Falourd, G. Hoffmann, B. Minster, J. Nouet, J.M. Barnola, J. Chappellaz, H. Fischer, J.C. Gallet, S. Johnsen, M. Leuenberger, L. Loulergue, D. Luethi, H. Oerter, F. Parrenin, G. Raisbeck, D. Raynaud, A. Schilt, J. Schwander, E. Selmo, R. Souchez, R. Spahni, B. Stauffer, J.P. Steffensen, B. Stenni, T.F. Stocker, J.-L. Tison, M. Werner, E.W. Wolff, 2007, Orbital and millennial Antarctic climate variability over the past 800,000 years, *Science 317*, 793-796.
116. Raisbeck, G.M., F. Yiou, J. Jouzel, T.F. Stocker, 2007, Direct north-south synchronisation of abrupt climate change record in ice cores using Beryllium 10. *Climate of the Past 3,* 541-547.
117. Forster, P., G. Hegerl, R. Knutti, V. Ramaswamy, S. Solomon, T.F. Stocker, P. Stott, F. Zwiers, 2007, Assessing uncertainty in climate simulations. *Nature Reports Climate Change 4*, 63-64.
118. Marchal, O., C. Jackson, J. Nilsson, A. Paul, and T.F. Stocker, 2007, Buoyancy-driven flow and nature of vertical mixing in a zonally-averaged model, in *Ocean Circulation: Mechanisms and Impacts*, edited by A. Schmittner*, et al.*, American Geophysical Union Monograph 173, 33-52.
119. Timmermann, A., Y. Okumura, S.-I. An, A. Clement, B. Dong, E. Guilyardi, A. Hu, J.H. Jungclaus, M. Renold, T.F. Stocker, R.J. Stouffer, R. Sutton, S.-P. Xie, and J. Yin, 2007, The influence of a weakening of the Atlantic meridional overturning circulation on ENSO, *J. Clim. 20*, 4899-4915.
120. Joerin, U.E., K. Nicolussi, A. Fischer, T.F. Stocker, C. Schlüchter, 2007, Holocene optimum events inferred from subglacial sediments at Tschierva Glacier, Eastern Swiss Alps. *Quat. Sci. Rev. 27*, 337-350.
121. Casty, C., C.C. Raible, T.F. Stocker, H. Wanner, J. Luterbacher, 2007, A European pattern climatology 1766-2000. *Clim. Dyn. 29,* 791-805.
122. Stocker, T.F., A. Timmermann, M. Renold, O. Timm, 2007, Effects of salt compensation on the climate model response in simulations of large changes of the Atlantic meridional overturning circulation, *J. Climate 20,* 5912-5928.
123. Lambert, F., B. Delmonte, J.R. Petit, M. Bigler, P.R. Kaufmann, M.A. Hutterli, T.F. Stocker, U. Ruth, J.P. Steffensen, and V. Maggi, 2008, Dust-climate couplings over the past 800,000 years from the EPICA Dome C ice core, *Nature 452*, 616-619.
124. Ritz, S.P., T.F. Stocker, S.A. Müller, 2008, Modeling the effect of abrupt ocean circulation change on marine reservoir age. *Earth Plan. Sci. Lett.268,* 202-211.
125. Fischer, H., M. Behrens, M. Bock, U. Richter, J. Schmitt, L. Loulergue, J. Chappellaz, R. Spahni, T. Blunier, M. Leuenberger, and T.F. Stocker, 2008, Changing boreal methane sources and constant biomass burning during the last termination, *Nature 452*, 864-867.
126. Lüthi, D., M. Le Floch, T.F. Stocker, B. Bereiter, T. Blunier, J.-M. Barnola, U. Siegenthaler, D. Raynaud, and J. Jouzel, 2008, Unexpected low levels of CO_2 concentration between 650 and 750 kyr BP, *Nature 453*, 379-382.
127. Loulergue, L., A. Schilt, R. Spahni, V. Masson-Delmotte, T. Blunier, B. Lemieux, J.-M. Barnola, D. Raynaud, T.F. Stocker, and J. Chappellaz, 2008, Orbital and millennial-scale features of atmospheric CH_4 over the last 800,000 years, *Nature 453*, 383-386.
128. Siddall, M., R.F. Anderson, G. Winckler, G.M. Henderson, L.I. Bradtmiller, D. McGee, A. Franzese, T.F. Stocker, S.A. Müller, 2008, Modelling the particle-flux effect on distribution of ^{230}Th in the equatorial Pacific. *Paleoceanogr. 23*, PA2208.
129. Kleppek, S. V. Muccione, C.C. Raible, D.N. Bresch, P. Koellner-Heck, T.F. Stocker, 2008, Tropical cyclones in ERA-40 - A detection and tracking method, *Geophys. Res. Lett. 35,* L10705.
130. Knutti, R., M.R. Allen, P. Friedlingstein, J.M. Gregory, G.C. Hegerl, G.A. Meehl, M. Meinshausen, J.M. Murphy, G.-K. Plattner, S.C.B. Raper, T.F. Stocker, P.A. Stott, H. Teng, and T.M.L. Wigley, 2008, A review of uncertainties in global temperature projections over the twenty-first century, *J. Clim. 21*, 2651-2663.
131. Plattner, G.-K., R. Knutti, F. Joos, T.F. Stocker, W. von Bloh, V. Brovkin, D. Cameron, E. Driesschaert, S. Dutkiewicz, M. Eby, N. Edwards, T. Fichefet, J.C. Hargreaves, C.D. Jones, M.F. Loutre, H.D. Matthews, A. Mouchet, S.A. Mueller, S. Nawrath, A. Price, A. Sokolov, K.M. Strassmann, and A.J. Weaver, 2008, Long-term climate commitments projected with climate - carbon cycle models, *J. Clim. 21*, 2721-2751.
132. Müller, S.A., F. Joos, G.-K. Plattner, T.F. Stocker, N.R. Edwards, 2008, Modeled natural and excess radiocarbon: Sensitivities to the gas exchange formulation and ocean transport strength. *Global Biogeochem. Cyc. 22*, GB3011.

133. Wanner, H., J. Beer, J. Bütikofer, T.J. Crowley, U. Cubasch, J. Flückiger, H. Goosse, M. Grosjean, F. Joos, J.O. Kaplan, M. Küttel, S.A. Müller, I.C. Prentice, O. Solomina, T.F. Stocker, P. Tarasov, M. Wagner, M. Widmann, 2008, Mid to late Holocene climate change - an overview. *Quat. Sci. Rev.27,* 1791-1828.
134. Kaufmann, P.R., U. Federer, M.A. Hutterli, M. Bigler, S. Schüpbach, U. Ruth, Schmitt, J. and T.F. Stocker, 2008, An improved Continuous Flow Analysis System for high-resolution field measurements on ice cores, *Envir. Sci. Tech. 42*, 8044-8050.
135. Federer, U., P.R. Kaufmann, M.A. Hutterli, S. Schüpbach, and T.F. Stocker, 2008, Continuous flow analysis of total organic carbon in polar ice cores, *Envir. Sci. Tech. 42*, 8039-8043.
136. Zorita, E., T.F. Stocker, and H. Von Storch, 2008, How unusual is the recent series of warm years?, *Geophys. Res. Lett. 35*, L24706.
137. Doherty, S.J., S. Bojinski, A. Henderson-Sellers, K. Noone, D. Goodrich, N.L. Bindoff, J.A. Church, K.A. Hibbard, T.R. Karl, L. Kajfez-Bogataj, A.H. Lynch, D.E. Parker, I.C. Prentice, V. Ramaswamy, R.W. Saunders, M.S. Smith, K. Steffen, T.F. Stocker, P.W. Thorne, K.E. Trenberth, M.M. Verstraete, and F.W. Zwiers, 2009: Lessons learned from IPCC AR4: Scientific developments needed to understand, predict and respond to climate change, *Bull. Am. Met. Soc. 90*, 497-513.
138. Bereiter, B., J. Schwander, D. Lüthi, and T.F. Stocker, 2009, Change in CO_2 concentration and O_2/N_2 ratio in ice cores due to molecular diffusion, *Geophys. Res. Lett. 36*, 36, L05703.
139. Schüpbach, S., U. Federer, P.R. Kaufmann, M.A. Hutterli, D. Burion, T. Blunier, H. Fischer, T.F. Stocker, 2009, A new method for high resolution methane measurements on polar ice cores using Continuous Flow Analysis. *Env. Sci. Tech. 43*, 5371-5376.
140. Elsig, J., J. Schmitt, D. Leuenberger, R. Schneider, M. Eyer, M. Leuenberger, F. Joos, H. Fischer, T.F. Stocker, 2009, Stable carbon isotope constraints on Holocene carbon cycle changes from an Antarctic ice core, *Nature 461*, 507-510.
141. Siddall, M., T.F. Stocker, P.U. Clark, 2009, Paleo-constraints on future sea-level rise. *Nature Geosci. 2*, 571-575 (retracted 21.2.2010).
142. Yoshimori, M., C.C. Raible, T.F. Stocker, M. Renold, 2010, Simulated decadal oscillations of the Atlantic meridional overturning circulation in a cold climate state, *Clim. Dyn. 34*, 101-121.
143. Schilt, A., M. Baumgartner, T. Blunier, J. Schwander, R. Spahni, H. Fischer, T.F. Stocker, 2010, Glacial-interglacial and millennial-scale variations in the atmospheric nitrous oxide concentration during the last 800,000 years. *Quat. Sci. Rev. 29*, 182-192.
144. Wolff, E.W., C. Barbante, S. Becagli, M. Bigler, C.F. Boutron, E. Castellano, M. de Angelis, U. Federer, H. Fischer, F. Fundel, M. Hansson, M. Hutterli, U. Jonsell, T. Karlin, P. Kaufmann, F. Lambert, G.C. Littot, R. Mulvaney, R. Röthlisberger, U. Ruth, M. Severi, M.-L. Siggaard-Andersen, L.C. Sime, J.P. Steffensen, T.F. Stocker, R. Traversi, B. Twarloh, R. Udisti, D. Wagenbach, and A. Wegner, 2010, Changes in environment over the last 800 000 years from chemical analysis of the EPICA Dome C ice core, *Quat. Sci. Rev.29*, 285-295.
145. Fischer, H., J. Schmitt, D. Lüthi, T. Tschumi, P. Parekh, F. Joos, T.F. Stocker, P. Köhler, C. Völker, R. Gersonde, C. Barbante, M. Le Floch, D. Raynaud, J.-M. Barnola, J. Chappellaz, E.W. Wolff, 2010, The role of Southern Ocean processes on orbital and millenniall CO2 variations - a synthesis. *Quat. Sci. Rev. 29*, 193-205.
146. Renold, M., C.C. Raible, M. Yoshimori, T.F. Stocker, 2010, Simulated resumption of the North Atlantic meridional overturning circulation. *Quat. Sci. Rev. 29*, 101-112.
147. Bigler, M., R. Röthlisberger, F. Lambert, T.F. Stocker, H. Fischer, E.W. Wolff, E. Castellano, R. Udisti, 2010, Atmospheric decadal variability from high-resolution Dome C ice core records of aerosol consituents beyond the last interglacial period. *Quat. Sci. Rev. 29*, 324-337.
148. Tomassini, L., R. Knutti, G.-K. Plattner, D. van Vuuren, T.F. Stocker, R. B. Howarth, M.E. Borsuk, 2010, Uncertainty and risk in climate projections for the 21st century: comparing mitigation to non-intervention scenarios, *Clim. Change 103*, 399-422.
149. Lupker, M., S.M. Aciego, B. Bourdon, J. Schwander, T.F. Stocker, 2010, Isotopic tracing (Sr, Nd, U, and Hf) of continental and marine aerosols in an 18th century section of the Dye-3 ice core (Greenland). *Earth and Plan. Sci. Lett. 295,* 277-286.
150. Holden P.B., N.R. Edwards, E.W. Wolff, N.J. Lang, J.S. Singarayer, P.J. Valdes, T.F. Stocker, 2010, Interhemispheric coupling and warm Antarctic interglacials. *Climate of the Past 6,* 431-443.
151. Lüthi D., B. Bereiter, B. Stauffer, R. Winkler, J. Schwander, P. Kindler, M. Leuenberger, S. Kipfstuhl, E. Capron, A. Landais, H. Fischer, T. F. Stocker, 2010, CO_2 and O_2/N_2 variations in and just below the bubble-clathrate transformation zone of Antarctic ice cores. *Earth Plan. Sci. Lett. 224,* 45-54.

152. Schilt, A., M. Baumgartner, J. Schwander, D. Burion, J. Chappellaz, L. Loulergue, S. Schüpbach, R. Spahni, H. Fischer, T.F. Stocker, 2010, Atmospheric nitrous oxide during the last 140,000 years. *Earth Plan. Sci. Lett. 300,* 33-43.
153. Bahn O., N. Edwards, R. Knutti, T.F. Stocker, 2010, Energy policies avoiding a tipping point in climate system. *Energy Policy 39,* 334-348.
154. Stenni B., D. Burion, M. Frezzotti, S. Albani, C. Barbante, E. Bard, J.M. Barnola, M. Baroni, M. Baumgartner, M. Bonazza, E. Capron, E. Castellano, J. Chappellaz, B. Delmonte, S. Falourd, L. Genoni, P. Iacumin, J. Jouzel, S. Kipfstuhl, A. Landais, B. Lemieux-Dudon, V. Maggi, V. Masson-Delmotte, C. Mazzola, B. Minster, M. Montagnat, R. Mulvaney, B. Narcisi, H. Oerter, F. Parrenin, J.R. Petit, C. Ritz, C. Scarchilli, A. Schilt, S. Schüpbach, J. Schwander, E. Selmo, M. Severi, T.F. Stocker, R. Udisti, 2011, Unified Antarctic and Greenland climate seesaw during the last deglaciation, *Nature Geosci. 4*, 46-49.
155. Buehler, T., C.C. Raible, and T.F. Stocker, 2011, On the relation of extreme North Atlantic blocking frequencies, cold and dry spells in ERA-40 in winter, *Tellus 63A*, 212-222.
156. Ritz, S.P., T.F. Stocker, F. Joos, 2011, A coupled dynamical ocean-energy balance atmosphere model for paleoclimate studies, *J. Climate 24*, 349-375.
157. Hofer D., C.C. Raible, T.F. Stocker, 2010, Variations of the meridional overturning circulation in control and transient simulations of the last millennium. *Clim. Past 7*, 133-150.
158. Bozbiyik A., M. Steinacher, F. Joos, T.F. Stocker, 2011, Fingerprints of changes in terrestrial carbon cycle in response to large reorganizations in ocean circulation. *Clim. Past 7*, 319-338.
159. Gaslikova L., A. Schwerzmann, C.C. Raible, T.F. Stocker, 2011, Future storm surge impacts on insurable losses for the North Sea region. *Nat. Hazards Earth Syst. Sci. 11*, 1205-1216.
160. Rempfer, J., T.F. Stocker, F. Joos, J.-C. Dutay, M. Siddall, 2011, Modelling isotopes of neodymium with a coarse resolution ocean circulation model: Sensitivities to model parameters and source/sink distributions. *Geochim. Cosmochim. Acta 75*, 5927-5950.
161. Schüpbach, S., U. Federer, M. Bigler, H. Fischer, T.F. Stocker, 2011, A refined TALDICE-1a age scale from 55 to 112 ka before present for the Talos Dome ice core based on high-resolution methane measurements. *Clim. Past 7*, 1001-1009.
162. Mastrandrea, M.D., K.J. Mach, G.-K. Plattner, O. Edenhofer, T.F. Stocker, C.B. Field, K.L. Ebi, P.R. Matschoss, 2011, The IPCC AR5 Guidance Note on Consistent Treatment of Uncertainties: A common approach across the Working Groups. *Climatic Change 108,* 675-691.
163. Lehner, F., C.C. Raible, D. Hofer, T.F. Stocker, 2011, The freshwater balance of polar regions in transient simulations from 1500-2100 AD using a comprehensive coupled climate model, *Climate Dyn. 39*, 347-363.
164. Ritz, S.P., T.F. Stocker, J.P. Severinghaus, 2011, Noble gases as proxies of mean ocean temperature: Sensitivity studies using a climate model of reduced complexity, *Quat. Sci. Rev.30*, *30*, 3728-3741.
165. Raible, C.C., S. Kleppek, M. Wüest, D.N. Bresch, A. Kitoh, H. Murakami, T.F. Stocker, 2012, Hurricanes and associated insurance loss potentials in future climate scenarios: Limitations of high-resolved AGCM simulations, *Tellus 64*, 15672.
166. Wilmes, S.B., C.C. Raible, T. F. Stocker, 2012, Climate variability of the mid- and high-latitudes of the Southern Hemisphere in ensemble simulations from 1500 to 2000 AD. *Clim. Past 8*, 373-390.
167. Schmitt, J. R. Schneider, J. Elsig, D. Leuenberger, A. Lourantou, J. Chappellaz, P. Köhler, F. Joos, T.F. Stocker, M. Leuenberger, H. Fischer, 2012, Carbon isotope constraints on the deglacial CO_2 rise from ice cores, *Science 336*, 711-714.
168. Bereiter, B., D. Lüthi, M. Siegrist, S. Schüpbach, T.F. Stocker, H. Fischer, 2012, Mode change of millennial CO_2 variability during the last glacial cycle associated with a bipolar marine carbon seesaw. *Proc. Natl. Acad. Sci. 109,* 9755-9760.
169. Lehner, F., C.C. Raible, T.F. Stocker, 2012, Testing the robustness of a precipitation proxy-based North Atlantic Oscillation reconstruction. *Quat. Sci. Rev. 45,* 85-94.
170. Rempfer, J., T.F. Stocker, F. Joos, J.-C. Dutay, 2012, On the relationship between Nd isotopic composition and ocean overturning circulation in idealised freshwater discharge events. *Paleoceanogr*. PA3211.
171. Capron, E., A. Landais, J. Chappellaz, D. Burion, H. Fischer, S.J. Johnsen, J. Jouzel, M. Leuenberger, V. Masson-Delmotte, T. F. Stocker, 2012, A global picture of the first abrupt climatic event occuring during the last glacial inception. *Geophys. Res. Lett.*, L15703.
173. Baumgartner M., A. Schilt, O. Eicher, J. Schmitt, J. Schwander, R. Spahni, H. Fischer, T.F.Stocker, 2012, High-resolution interpolar difference of atmospheric methane around the Last Glacial Maximum. *Biogeoscience 9,* 3961-3977.
174. Rempfer, J. T.F. Stocker, F. Joos, J.-C. Dutay, 2012, Sensitivity of Nd isotopic composition in seawater to changes in Nd sources and paleoceanographic implications. *J. Geophys. Res. 117*, C12010.

175. Born, A., T.F. Stocker, C.C. Raible, A. Levermann, 2013, Is the Atlantic subpolar gyre bistable in comprehensive coupled climate models*? Clim. Dyn. 40*, 2993-3007.NEEM Consortium Members, 2013, Eemian interglacial reconstructed from a Greenland folded ice core, *Nature 493*, 489-494.
176. Stocker, T.F., 2013, The closing door of climate targets. *Sciencexpress* (29.11.2012), *Science 339*, 280-282.
177. Bereiter, B., Stocker, T.F., Fischer, H., 2013, A centrifugal ice microtome for measurements of atmospheric CO_2 on air trapped in polar ice cores. *Atmospheric Measurement Techniques 6,* 251-262.
178. Ritz, S.P., T.F. Stocker, J.O. Grimalt, L. Menviel, A. Timmermann, 2013, Estimated strength of the Atlantic overturning circulation during the last deglaciation. *Nature Geoscience 6*, 208-212.
179. Schilt, A., M. Baumgartner, O. Eicher, J. Chappellaz, J. Schwander, H. Fischer, T.F. Stocker, 2013, The response of atmospheric nitrous oxide to climate variations during the last glacial period. *Geophys. Res. Lett.40*, 1888-1893.
180. Steinacher, M., F. Joos, T.F. Stocker, 2013, Allowable carbon emissions lowered by multiple climate targets. *Nature 499*, 197-201.
181. Lehner, F., A. Born, C.C. Raible, T.F. Stocker, 2013, Amplified inception of European Little Ice Age by sea ice-ocean-atmosphere feedbacks. *J. Climate 26*, 7586-7602.
182. Stocker, T.F., 2013, The ocean as a component of the climate system. In: *Ocean Circulation and Climate: A 21st Century Perspective*. G. Siedler et al. (eds.), Academic Press, 3-30.
183. Merz, N., C.C. Raible, H. Fischer, V. Varma, M. Prange, T.F. Stocker, 2013, Greenland accumulation and its connection to the large-scale atmospheric circulation in ERA-interim and paleoclimate simulations. *Clim. Past 9*, 2433-2450.
184. Schüpbach, S., U. Federer, S. Albani, C. Barbante, T.F. Stocker, H. Fischer, 2013, High-resolution mineral dust and sea ice proxy records from the Talos Dome ice core. *Clim. Past 9*, 2789-2807.
185. Born A., T.F. Stocker, 2014, Two stable equilibria of the Atlantic subpolar gyre. *J. Phys. Oceanogr. 44*, 246-264.
186. Bereiter, B., H. Fischer, J. Schwander, T.F. Stocker, 2014, Diffusive equilibration of N_2, O_2, and CO_2 mixing ratios in a 1.5-million-years-old ice core. *The Cryosphere 8*, 245-256.
187. Allen, M.R., T.F. Stocker, 2014, Impact of delay in reducing carbon dioxide emissions. *Nature Climate Change 4*, 23-26.
188. Baumgartner, M., P. Kindler, O. Eicher, A. Schilt, G. Floch, J. Schwander, R. Spahni, E. Capron, J. Chappellaz, M. Leuenberger, H. Fischer, T.F. Stocker, 2014, NGRIP CH_4 concentration from 120 to 10 kyr before present and its relation to a $\delta^{15}N$ temperature reconstruction from the same ice core. *Clim. Past 10,* 903-920.
189. Merz, N., A. Born, C.C. Raible, H. Fischer, T. F. Stocker, 2013, Dependence of Eemian Greenland temperature reconstructions on the ice sheet topography. *Clim. Past 10*, 1221-1238.
190. Stocker, T.F., D. Qin, G.-K. Plattner, L.V. Alexander, S.K. Allen, N.L. Bindoff, F.-M. Bréon, J.A. Church, U. Cubasch, S. Emori, P. Forster, P. Friedlingstein, N. Gillett, J.M. Gregory, D.L. Hartmann, E. Jansen, B. Kirtman, R. Knutti, K. Krishna Kumar, P. Lemke, J. Marotzke, V. Masson-Delmotte, G.A. Meehl, I.I. Mokhov, S. Piao, V. Rawaswamy, D. Randall, M. Rhein, M. Rojas, C. Sabine, D. Shindell, L.D. Talley, D.G. Vaughan, and X.-P. Xie, Technical Summary, in *Climate Change 2013: The Physical Science Basis. Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*, [T.F. Stocker*, et al.* (eds.)], pp. 33-115, 2013.
191. Schwander J., S. Marending, T.F. Stocker, H. Fischer, 2014, RADIX: a minimal-resources rapid-access drilling system. *Ann. Glaciology 55*, 34-38.
192. Schilt, A., E.J. Brook, T.K. Bauska, D. Baggenstoss, H. Fischer, F. Joos, V.V. Petrenko, H. Schaefer, J. Schmitt, J.P. Severinghaus, R. Spahni, T.F. Stocker, 2014, Isotopic constraints on marine and terrestrial N_2O emissions during the last deglaciation. *Nature 516*, 234-237.
193. Pfister, P.L., T.F. Stocker, J. Rempfer, S.P. Ritz, 2014, Influence of the Central American Seaway and Drake Passage on ocean circulation and Neodymium isotopes: a model study. *Paleoceanography 29*, 1-24.
194. Merz, N., G. Gfeller, A. Born, C.C. Raible, T.F. Stocker, H. Fischer, 2014, Influence of ice sheet topography on Greenland precipitation during the last interglacial. *J. Geophys. Res.Atm. 119*, 10,749-10,768.
195. Bereiter, B., S. Eggleston, J. Schmitt, C. Nehrbass-Ahles, Schilt A., T.F. Stocker, H.Fischer, S. Kipfstuhl, J. Chappellaz, 2015, Revision of the EPICA Dome C CO_2 record from 800 to 600 kyr before present. *Geophys. Res. Lett. 42*, 2014GL061957.
196. Lehner, F., T.F. Stocker, 2015, Perspective: From local perception to global perspective. *Nature Climate Change 5*, 731-734.

197. Lehner, F., F. Joos, C.C. Raible, J. Mignot, A. Born, K.M. Keller T.F. Stocker, 2015, Climate and carbon cycle dynamics in a CESM simulation from 850-2100 CE. *Earth Syst. Dyn. 6*, 411-434.
198. Fischer, H., S. Schüpbach, G. Gfeller, M. Bigler, R. Röthlisberger, T. Ehrhardt, T.F. Stocker, R. Mulvaney, E.W. Wolff, 2015, Millennial changes in North American wildfire and soil activity over the last glacial cycle. *Nature Geosci. 8,* 723-727.
199. Stocker, T.F., 2015, The silent services of the world ocean. *Science 350*, 764-765.
200. Born A., J. Mignot, T.F. Stocker, 2015, Multiple equilibria as a possible mechanism for decadal variability in the North Atlantic Ocean. *J. Climate 28,* 8907-8922.
201. Pfister P.L., T.F. Stocker, 2016, Earth System commitments due to delayed mitigation. *Environmental Res. Lett. 11,* 014010.
202. Clark, P.U., J.D. Shakun, S.A. Marcott, A.C. Mix, M. Eby, S. Kulp, A. Levermann, P. Pfister, B.D. Santer, D.P. Schrag, S. Solomon, T.F. Stocker, B.H. Strauss, A.J. Weaver, R. Winkelmann, D. Archer, E. Bard, A. Goldner, R.T. Pierrehumbert, G.-K. Plattner, 2016, Consequences of 21st century policy for multi-millennial climate and sea-level change. *Nature Climate Change 6,* 360-369.
203. Stocker, T.F., 2016, IPCC Working Group I: The Swiss Contribution 1988-2014. In: *From Weather Observations to Atmospheric and Climate Sciences in Switzerland. Celebrating 100 Years of the Swiss Society for Meteorology*, 413-438.
204. Neff, B., A. Born, T.F. Stocker, 2016, An ice sheet model of reduced complexity for paleoclimate studies. *Earth System Dyn. 7,* 397-418.
205. Stocker, T.F. G.-K. Plattner, 2016, Making use of the IPCC's powerful communication tool. *Nature Climate Change 6,* 637-638.
206. Muthers, S., A. Kucar, A. Stenke, J. Schmitt, J.G. Anet, C.C. Raible, T.F. Stocker, 2016, Stratospheric age of air variations between 1600-2100. *Geophys. Res. Lett. 43*, 5409-5418. 10.1002/2016GL068734
207. Hallegatte, S., J. Rogelj, M. Allen, L. Clarke, O. Edenhofer, C. Field, P. Friedlingstein, L. van Kesteren, R. Knutti, K. Mach, M. Mastrandrea, A. Michel, J. Minx, M. Oppenheimer, G.-K. Plattner, K. Riahi, M. Schaeffer, T.F. Stocker, D. van Vuuren, 2016, Mapping the climate change challenge. *Nature Climate Change 6,* 663-668.
208. Born, A., T.F. Stocker, A.B. Sandø, 2016, Transport of salt and freshwater in the Atlantic subpolar gyre. *Ocean Dyn. 66*, 1051-1064.
209. Eicher, O., M. Baumgartner, A. Schilt, J. Schmitt, J. Schwander, T.F. Stocker, H. Fischer, 2016, Climatic and insolation control on the high-resolution total air content in the NGRIP ice core. *Clim. Past 12*, 1979-1993.
210. Merz, N., A. Born, C.C. Raible, T.F. Stocker, 2016, Warm Greenland during the last interglacial: the role of regional changes in sea ice cover. *Clim. Past 12*, 2011-2031.
211. Muthers, S., C.C. Raible, T.F. Stocker, 2016, Response of the AMOC to reduced solar radiation - the modulating role of atmospheric-chemistry. *Earth System Dyn. 7,* 877-892.
212. Kilic C., C.C. Raible, T.F. Stocker, E. Kirk, 2017, Impact of variations of gravitational acceleration on the general circulation of the planetary atmosphere. *Planetary and Space Science 135*, 1-16.
213. Rempfer, J., T.F. Stocker, F. Joos, J. Lippold, 2017, New insights into marine cycling of 231Pa and 230Th and the effect of changes in overturning circulation on Pa/Th. *Earth Planet. Sci. Lett. 468,* 27-37.
214. Keller, K.M., S. Lienert, A. Bozbiyik, T.F. Stocker, O.V. Churakova, D.C. Frank, S. Klesse, C.D. Koven, M. Leuenberger, W.J. Riley, M. Saurer, R. Siegwolf, R.B. Weigt, F. Joos, 2017, 20th-century changes in carbon isotopes and water-use efficiency: tree-ring based evaluation of the CLM4.5 and LPX-Bern models. *Biogeosciences 14,* 2641-2673.
215. Köhler, P., C. Nehrbass-Ahles, J. Schmitt, T.F. Stocker, H. Fischer, 2017, A 156 kyr smoothed history of the atmospheric greenhouse gases CO2, CH4, and N2O and their radiative forcing. *Earth System Science Data 9*, 363-387.
216. Kilic, C., C.C. Raible, T.F. Stocker, 2017, Multiple climate states of habitable exoplanets: The role of obliquity and irradiance. *The Astrophysical Journal, 844,* 147.
217. Schmidt, G.A., J. Severinghaus, A. Abe-Ouchi, R. B. Alley, W. Broecker, E. Brook, D. Etheridge, K. Kawamura, R. F. Keeling, M. Leinen, K. Marvel, T. F. Stocker,2017, Overestimate of committed warming, *Nature 547*, E16-E17, doi:10.1038/nature22803
218. Lehner, F., S. Coats, T.F. Stocker, A.G. Pendergrass, B.M. Sanderson, C.C. Raible, J.E. Smerdon, 2017, Projected drought risk in 1.5°C and 2°C warmer climates. *Geophys. Res. Lett. 44,* doi: 10.1002/2017GL074117
219. Figueres, C., et al., and 61 co-signatories, 2017, Three years to saveguard our climate. *Nature 546*, 593-595.

220. Köhler, P., C. Nehrbass-Ahles, J. Schmitt, T. F. Stocker, H. Fischer, 2017, Comment on "Changes in atmospheric CO2 levels recorded by the isotopic signature of n-alkanes from plants" from K.S. Machado and S. Froehner. *Global and Planetary Change 156*, 24–25.
221. Pfister, P.L, and T.F. Stocker, 2017, State-dependence of the climate sensitivity in Earth System Models of Intermediate Complexity. *Geophys. Res. Lett. 44,* 10643-10653. doi:10.1002/2017GL075457
222. Fischer, H., et al., 2018, Paleoclimate constraints on a world with post-industrial warming of 2 degrees and beyond. *Nature Geoscience 11,* 474-485.
223. Kilic, C., F. Lunkeit, C.C. Raible, T.F. Stocker, 2018, Stable equatorial ice belts at high obliquity in a coupled ocean-atmosphere models, *The Astrophysical Journal 864,* 106.
224. Plach A., K.H. Nisancioglu, S. Le clec'h, A. Born, P.M. Langebroek, C. Guo, M. Imhof, T.F. Stocker, 2018, Eemian Greenland SMB strongly sensitive to model choice. *Clim. Past 14*, 1463-1485.
225. Raible C.C., M. Messmer, F. Lehner, T.F. Stocker, R. Blender, 2018, Extratropical cyclone statistics during the last millennium and the 21st century. *Clim. Past 14*, 1499-1514.
226. Pfister P.L, T.F. Stocker, 2018, The realized warming fraction: A multi-model study. *Environmental Research Letters 13,* 124024.
227. Figueres, C., et al., and 104 co-signatories, 2018, Emissions are still rising: ramp up the cuts. (Co-signatory) *Nature 564*, 27-30.
228. Born, A., M.A. Imhof, T.F. Stocker, 2019, An efficient surface energy-mass balance model for snow and ice. *The Cryosphere 13*, 1529-1546.
229. Gottschalk, J., Battaglia, G., Fischer, H., Fröhlicher, T.L., Jaccard, S., Jeltsch-Thömmes, A., Joos, F., Köhler, P., Meissner, K., Menviel, L., Nehrbass-Ahles, C., Schmitt, J., Schmittner, A., Skinner, L.C., Stocker, T.F., 2019, Mechanisms of millennial-scale atmospheric CO_2 change in numerical model simulations, *Quaternary Science Reviews 220*, 30-74.
230. Björck, S., J. Sjolte, K. Ljung, F. Adolphi, R. Flower, R.H. Smittenberg, M.E. Kylander, T.F. Stocker, S. Holmgren, H. Jiang, R. Muscheler, Y.K.K. Afrifa, J.E. Rattray, N. Van der Putten, 2019, A South Atlantic island record uncovers shifts in westerlies and hydroclimate during the last glacial. *Clim. Past 15,* 1939-1958.
231. Hagedorn, G., T. Loew, S. I. Seneviratne, W. Lucht, M.-L. Beck, J. Hesse, R. Knutti, V. Quaschning, J.-H. Schleimer, L. Mattauch, C. Breyer, H. Hübener, G. Kirchengast, A. Chodura, J. Clausen, F. Creutzig, M. Darbi, C.-H. Daub, F. Ekardt, M. Göpel, J. N. Hardt, J. Hertin, T. Hickler, A. Köhncke, S. Köster, J. Krohmer, H. Kromp-Kolb, R. Leinfelder, L. Mederake, M. Neuhaus, S. Rahmstorf, C. Schmidt, C. Schneider, G. Schneider, R. Seppelt, U. Spindler, M. Springmann, K. Staab, T. F. Stocker, K. Steininger, E. von Hirschhausen, S. Winter, M. Wittau, J. Zens, 2019, The concerns of the young protesters are justified. A statement by Scientists for Future concerning the protests for more climate protection. *GAIA 28*, 79-87.
232. Süfke, F., H. Schulz, J. Scheen, S. Szidat, M. Regelous, P. Blaser, F. Pöppelmeier, T. J. Goepfert, T. F. Stocker, J. Lippold, 2020, Inverse response of $^{231}Pa/^{230}Th$ to variations of the Atlantic Meridional Overturning Circulation in the North Atlantic intermediate water. *Geo-Marine Lett.* 10.1002/ 2017GL075457
233. Sager, F., C. Mavrot, M. Hinterleitner, D. Kaufmann, M. Grosjean, T. F. Stocker, 2020, A six-point checklist for utilization-focusedscientific policy advice. *Climate Policy,* 10.1080/14693062.2020.1757399
234. Nehrbass-Ahles, C., J. Shin, J. Schmitt, B. Bereiter, F. Joos, A. Schilt, L. Schmidely, L. Silva, G. Teste, R. Grilli, J. Chappellaz, D. Hodell, H. Fischer, and T. F. Stocker, 2020, Abrupt CO_2 release to the atmosphere under glacial and early interglacial climate conditions, *Science 369,* 1000-1005.
235. Svensson, A., D. Dahl-Jensen, J.P. Steffensen, T. Blunier, S. O. Rasmussen, B. M. Vinther, P. Vallelonga, E. Capron, V. Gkinis, E. Cook, H. A. Kjær, R. Muscheler, S. Kipfstuhl, F. Wilhelms, T. F. Stocker, H. Fischer, F. Adolphi, T. Erhardt, M. Sigl, A. Landais, F. Parrenin, C. Buizert, J.R. McConnell, M. Severi, R. Mulvaney, and M. Bigler, 2020, Bipolar volcanic synchronization of abrupt climate change in Greenland and Antarctic ice cores during the last glacial period. *Clim. Past 16,* 1565-1580.
236. Shin, J., C. Nehrbass-Ahles, R. Grilli, J. C. Beeman, F. Parrenin, G. Teste, A. Landais, L. Schmidely, J. Schmitt, T. F. Stocker, H. Fischer, J. Chappellaz, 2020, Millennial-scale atmospheric CO_2 variations during the Marine Isotope Stage 6 period (190–135 kyr BP). *Clim. Past 16*, 2203-2219.
237. Scheen J., T.F. Stocker, 2020, Effect of changing ocean circulation on deep ocean temperature in the last millennium. *Earth Syst. Dyn. 11,* 925-951.
238. Pfister, P.L, and T.F. Stocker, 2020,Changes in local and global climate feedbacks in the absence of interactive clouds: Southern Ocean-climate interactions in two intermediate-complexity models. *J. Climate* (in press).

239. Pöppelmeier, F., J. Scheen, P. Blaser, J. Lippold, M. Gutjahr, T. F. Stocker, 2020, Influence of elevated Nd fluxes on the northern Nd isotope end member of the Atlantic during the early Holocene. *Paleoceanography and Paleoclimatology 35,* e2020PA003973.
240. Jeltsch-Thömmes, A., T.F. Stocker, F. Joos, 2020, Hysteresis of the Earth system under positive and negative CO2 emissions. *Environmental Research Letters 15,* 124026.
241. Pöppelmeier, F., J. Scheen, A. Jeltsch-Thömmes, T.F. Stocker, 2021, Simulated stability of the AMOC during the Last Glacial Maximum. *Climate Past.* (in press).

3. Articles in Review

242. Messmer, M., S.J. González-Rojí, C.C. Raible, T.F. Stocker, 2020, Sensitivity of precipitation and temperature over Mount Kenya area to physics parameterization options in a high-resolution model simulation performed with WRFV3.8.1, *Geoscientific Model Development Discussions* (submitted).
243. Schmidely, L., C. Nehrbass-Ahles, J. Schmitt, J. Han, L. Silva, J. Shin, F. Joos, J. Chappellaz, H. Fischer, T.F. Stocker, 2020, CH_4 and N_2O fluctuations during the penultimate deglaciation. *Climate Past Discuss.* (submitted).

4. Intergovernmental Panel on Climate Change: Third, Fourth, and Fifth Assessment Reports

1. SPM Drafting Team, 2001, *Climate Change 2001, The Scientific Basis, Summary for Policymakers*, Intergovernmental Panel on Climate Change, 20 pp.
2. Albritton, D.L., L.G. Meira Filho, U. Cubasch, ..., T. Stocker, ... , 2001, *Climate Change 2001, The Scientific Basis, Technical Summary*, Intergovernmental Panel on Climate Change, 83 pp.
3. Stocker, T.F., G.K.C. Clarke, H. Le Treut, R.S. Lindzen, V.P. Meleshko, R.K. Mugara, T.N. Palmer, R.T. Pierrehumbert, P.J. Sellers, K.E. Trenberth, J. Willebrand, 2001, Physical Climate Processes and Feedbacks. In: *Climate Change 2001, The Scientific Basis. Contribution of Working Group I to the Third Assessment Report of the Intergovernmental Panel on Climate Change*, J.T. Houghton et al. (eds.), Cambridge University Press, 417-470.
4. *Climate Change 2001: Synthesis Report. Contribution of Working Groups I, II, and III to the Third Assessment Report of the Intergovernmental Panel on Climate Change*, R.T. Watson and Core Writing Team (eds.), 97 pp.
5. Contributing Author to Chapter 2 "Observed Climate Variability and Change", Chapter 9 "Projections of Future Climate Change", and Chapter 11 "Changes in Sea Level" of *Climate Change 2001, The Scientific Basis. Contribution of Working Group I to the Third Assessment Report of the Intergovernmental Panel on Climate Change*, J.T. Houghton et al. (eds.), Cambridge University Press, 881 pp.
6. Meehl, G.A., T.F. Stocker, W. Collins, P. Friedlingstein, A. Gaye, J. Gregory, A. Kitoh, R. Knutti, J. Murphy, A. Noda, S. Raper, I. Watterson, A. Weaver, Z.-C. Zhao, 2007, Global Climate Projections. In: *Climate Change 2007, The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change*, S. Solomon et al. (eds.), 747-845.
7. Drafting Author of Summary for Policymakers. In: *Climate Change 2007, The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change*, S. Solomon et al. (eds.), 1-18.
8. Lead Author of Technical Summary. In: *Climate Change 2007, The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change*, S. Solomon et al. (eds.), 19-91.
9. Contributing Author to Chapter 1 "Historical Overview of Climate Change Science" of *Climate Change 2007, The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change*, S. Solomon et al. (eds.), 93-127.
10. Coordinating Lead Author of Technical Summary. In: *Climate Change 2013: The Physical Science Basis. Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*, T.F. Stocker et al. (eds.), Cambridge University Press, 3-29.
11. Drafting Author of Summary for Policymakers. In: *Climate Change 2013: The Physical Science Basis. Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*, T.F. Stocker et al. (eds.), Cambridge University Press, 33-115.
12. Member of the Core Writing Team: *Climate Change 2014: Synthesis Report*, R.K. Pachauri et al. (eds.), Cambridge University Press, 151 pp.

5. Invited Articles in Nature and Science

1. Stocker T.F., 1994, News & Views: The variable ocean, *Nature 367*, 221-222.
2. Stocker T.F., 1998, News & Views: A glimpse of the glacial, *Nature 391*, 338-339.
3. Stocker T.F., 1998, Book Review: Climate Process & Change by E. Bryant, *Nature 391*, 552.
4. Stocker T. F., 1998, Perspective: The seesaw effect. *Science 282*, 61-62.
5. Stocker T.F., 1999, Obituary: Hans Oeschger (1927-98), *Nature 397*, 396.
6. Stocker T.F., 2001, Climate panel looked at all the evidence, *Nature 410,* 299.
7. Stocker T. F., 2002, North-South Connections, *Science 297*, 1814-1815.
8. Stocker T.F., 2003, South dials north, *Nature 424,* 496-499.
9. Stocker T.F., 2004, Models change their tune. *Nature 430,* 737-738.
10. Stocker T. F., C. C. Raible, 2005, Water cycle shifts gear. *Nature 434*, 830-833.
11. Stocker, T.F., 2005, Journal Club, *Nature 435*, 389.
12. Stocker T.F., A. Schilt, 2008, Greenhouse-gas fingerprints. *Nature 456*, 331-333.
13. Hulme M., E. Zorita, T.F. Stocker, J. Price, J. R. Christy, 2010, IPCC: cherish it, tweak it, or scrap it? *Nature 463*, 730-732.
14. Stocker T.F., 2013, Adapting the assessments. *Nature Geoscience 6*, 7-8.
15. Stocker T.F., G.-K. Plattner, 2014, Comment: Rethink IPCC Reports, *Nature 513*, 163-165.
16. Stocker T.F., 2020, Surprises for climate stability. *Science 367*, 1425-1426.

6. Contributions without Peer Review:

1. Hutter K., K. Stocker, T. Stocker, 1987, Internal and topographic waves in the lake of Lugano. *International Conference on Fluid Mechanics*, Beijing, China.
2. Stocker T., K. Hutter, 1989, Qualitative aspects of topographic waves in closed basins, gulfs and channels. In: *Modeling Marine Systems*, A.M. Davies (ed), 1, CRC Press, 255-289.
3. Stocker T.F., Wright D.G., L.A. Mysak, 1992, A coupled, zonally averaged atmosphere-ocean model: variations of the thermohaline circulation*. International Conference on the Role of the Polar Regions in Global Change: Proceedings*. G. Weller, C.L. Wilson, B.A.B. Severin (eds.), University of Alaska, Fairbanks, 291-295.
4. Wright D.G., T.F. Stocker, 1993, Younger Dryas experiments. In: *Ice in the Climate System*, R.W. Peltier (ed), NATO ASI I 12, Kluwer, 395-416.
5. Lehman S.J., Wright D.G., T.F. Stocker, 1993, Transport of meltwater into the deep ocean by the conveyor. In: *Ice in the Climate System*, R.W. Peltier (ed), NATO ASI I 12, Kluwer, 187-209.
6. Stocker T.F., 1995, An overview of decadal to century time scale variability in the climate system, In: *Proc. Eleventh Annual Pacific Climate (PACLIM) Workshop 1994*, C.M. Isaacs and V.L. Tharp (eds.), Interagency Ecological Program, Tech. Rep. 40, Calif. Dept. Water Resources., 35-46.
7. Joos F., T. Stocker, H. Oeschger, 1995, Ulrich Siegenthaler (1941–1994*). EOS Transactions, American Geophysical Union 76*, 90.
8. Stocker T., T. Blunier, B. Stauffer, 1995, 250'000 Jahre Klimageschichte aus dem ewigen Eis. info2, *Bulletin der Abteilung II des Schweizerischen Nationalfonds*, 1, 5-10.
9. Stocker T., T. Blunier, 1995, 250'000 Jahre Klimageschichte aus dem ewigen Eis. *Unipress Interne Mitteilungen der Universität Bern*, April 1, 16-17.
10. Stocker T., 1995, Effekte ozeanischer Wärmepumpen. Schweizerische *Technische Zeitschrift 10*, 50-53.
11. Schotterer U., T. Stocker, J. Hunziker, P. Buttet, J.-P. Tripet, 1995, Isotope im Wasserkreislauf. *Gas-Wasser-Abwasser 9*, 714-720.
12. Stauffer B., T. Stocker, 1996, Climate instabilities from Greenland records. In: *The Ocean and the Poles*, G. Hempel (ed.), G. Fischer, 253-261.
13. Stocker T., I. Knoepfel, A. Arquit Niederberger, K. Meyer, 1996, Klima-Irreversibilitäten: Wie entscheidet die Gesellschaft ? *9. Schweizerisches Status-Seminar Energieforschung im Hochbau*, EMPA-KWH, Dübendorf, 9-14.
14. Gruber, N. T. F. Stocker, C. D. Keeling, J. L. Sarmiento, R. J. Murnane, 1996, The distribution of natural and anthropogenic CO_2 and $\square^{13}C$ in the Atlantic Ocean: Combining observations and results from the Princeton 3D OGCM biogeochemistry model. *Caribbean J. Science 32*, 287-288.

15. Stocker, T. F., 1996, The ocean in the climate system: observing and modeling its variability. In: *Topics in Atmospheric and Interstellar Physics and Chemistry*, C. Boutron (ed.), Les Editions du Physique, 39-90.
16. Stocker, T., 1996, Klimaschwankungen und Kohlenstoffkreislauf. In: *CO_2 – Eine Herausforderung für die Menschheit*, P. Gehr, C. Kost, G. Stephan (eds.), Springer, 15-29.
17. Stocker T., I. Knoepfel, A. Arquit Niederberger, K. Meyer, 1996, Sozio-ökonomische Aspekte der Klima-Irreversibilität. *Neue Zürcher Zeitung 143*, 29.
18. Davies, H., B. Messerli, H. Oeschger, A. Ohmura, C. Schär, T. Stocker, H. Thierstein, H. Wanner, 1997, Irritationen in der Klimaforschung, Briefe an die NZZ*. Neue Zürcher Zeitung 286*, 63.
19. Stocker, T., 1998, Von der Vergangenheit in die Zukunft. In*: Klimarisiken – Herausforderung für die Schweiz.* S. Bader, P. Kunz (ed.) Wissenschaftlicher Schlussbericht NFP-31, vdf Hochschulverlag, ETH Zürich, 68-77 .
20. Stocker, T., B. Stauffer, H. Loosli, 1998, Ein Pionier der Umweltphysik, Zum Tode des Klimaforschers Hans Oeschger. *Neue Zürcher Zeitung 302*, 12.
21. Appenzeller, C., T. Stocker, 1999, Der Atlantik – Klimaschaukel und Klimajoker*. Neue Zürcher Zeitung 79*, 75.
22. Stocker, T., 2000, Das Feilschen in Den Haag, *Der Bund*, 25.11.2000
23. Schotterer U., T. Stocker, H. Bürki, J. Hunziker, R. Kozel, D. A. Grasso, J.-P. Tripet, 2000, das Schweizer Isotopen Messnetz, Trends 1992-1999. *Gas-Wasser-Abwasser 10*, 3-11.
24. Stocker, T.F., 2001, The role of simple models in understanding climate change. In: *Continuum Mechanics and Applications in Geophysics and the Environment*, B. Straugham et al. (eds.), Springer, 337-367.
25. Stocker, T., 2001, Polares Eis: der Eckpfeiler der Klimaforschung. In: *Die Polarforschung als Schlüssel zum Verständnis der globalen Veränderungen*. Schweizerische Kommission für Polarforschung, 17-29.
26. Stocker, T.F., O. Marchal, 2001, Recent progress in paleoclimate modelling: climate models of reduced complexity. *PAGES Newsletter 9,* 4-7.
27. Stocker T.F., 2001, Das IPCC sagt ... , *ProClim- Flash 21*, 1-2.
28. Stocker T., 2001, "Treibhauspanik": Ist es wirklich so schlimm?, Stellungsnahme zu 8 Fragen, *Sonntagszeitung 6. Mai 2001*, 22.
29. Stocker T., C. Schär, C. Ritz, R. Hohmann, 2001, Leserbrief zum Artikel "Panikmache". *Sonntagszeitung 13. Mai 2001*, 35.
30. Stocker T.F., R. Knutti, 2001, Predictability of the Atlantic thermohaline circulation under global warming. *CLIVAR Exchanges 6 (3),*5-7.
31. Stocker T.F., 2001, Greenhouse gases during the last glacial and the deglaciation. *Nova Acta Leopoldina NF 331,* 79-88.
32. Stocker T.F., 2002, Book Review: The two-mile time machine: ice cores, abrupt climate change, and our future. By R. B. Alley, Princeton, 229 pp., *Bull. Am. Meteorolog. Soc., 83*, 285-286.
33. Stocker T., 2002, Journalistische Nebelbank. *Weltwoche 25.02*, 58-59.
34. Albrecht C., ..., T. Stocker, ... , 2002, *Das Klima ändert – auch in der Schweiz. Die wichtigsten Ergebnisse wdes dritten Wissensstandsberichts des IPCC aus der Sicht der Schweiz*. Organe Consultatif sur les Changements Climatiques, Bern, 48 pp.
35. Stocker T.F., 2002, Climate research – a trend – a mega-trend? In: Megatrends, Rise and Fall of Megatrends in Science, Proc. CASS Symposium 2000, M. Leuthold et al. (eds.), 81.
36. Stocker T.F., 2002, La bascule des pôles, insaisissable rouage du climate. *Le Figaro 18070*, 13.9.2002, p. 12.
37. Stocker T., 2003, Die Erde im Treibhaus: eine Herausforderung des 21. Jahrhunderts. *Wasser, Energie, Luft 95,* 241-243.
38. Stocker T., 2003, Wieviel wärmer darf es noch werden? *Wendekreis 7-8,* 12-15.
39. Stocker T.F., 2003, Changes in the global carbon cycle and ocean circulation on the millennial time scale. In *Global Climate*, X. Rodo, F. A. Comin (eds.), Springer, 129-152.
40. Labeyrie L., J. Cole, K. Alverson, T. Stocker, 2003, The history of climate dynamics in the Late Quaternary. In: *Paleoclimate, Global Change and the Future*, K.D. Alverson, R.S. Bradley, T.F. Pedersen (eds.), Springer, 33-61.
41. Stocker T.F., R. Knutti, 2003, Do simplified climate models have any useful skill? *CLIVAR Exchanges 8,* 7-10.
42. Stocker T.F., E. Monnin, 2003, Past rates of carbon dioxide changes and their relevance for future climate. *PAGES News 11,* 6-8.
43. Stocker T., 2003, Das Meer und das Klima. *Bull. Soc. Frib. Sc. Nat. 92*, 35-45.

44. Renold M., U. Beyerle, C.C. Raible, R. Knutti, T.F. Stocker, T. Craig, 2004, Climate modeling with a Linux cluster. *EOS: Transactions of the American Geophysical Union. 85*, 290.
45. Severinghaus, J. P., J. Jouzel, N. Caillon, T. Stocker, C. Huber, M. Leuenberger, R.B. Alley, J. Chappellaz, J.-M. Barnola, E.J. Brook, 2004, Comment on "Greenland-Antarctic phase relations and millennial time-scale climate .uctuations in the Greenland ice-cores" by C. Wunsch. *Quat. Sci. Rev. 23*, 2053-2054.
46. Wolff, E.W., J. Chappellaz, H. Fischer, C. Kull, H. Miller, T.F. Stocker, A.J. Watson, 2004, The EPICA Challenge to the Earth System Modeling Community. *EOS: Transactions of the American Geophysical Union. 85*, 363.
47. Grousset, F.E., P. Delaney, H. Elderfield, K. Emeis, G. Haug, L.C. Peterson, T. Stocker, P. Wang, 2004, Eighth International Conference on Paloeceanography, *Oceanography 17*, 186-193.
48. Grousset, F., L. Peterson, P. Delaney, H. Elderfield, K. Emeis, G. Haug, T. Stocker, P. Wang, 2005, Eighth International Conference on Paloeceanography, *EOS: Transactions of the American Geophysical Union 86*, 68.
49. Broecker, W.S., T.F. Stocker, 2005, 8000 years of human warmth, *Scientific American 293*, 9.
50. Stocker, T., 2005, 800'000 Jahren Klimageschichte der Antarktis: Eine Herausforderung für die Klimamodellierung. Festschrift 75 Jahre VAW, Versuchsanstalt für Wasserbau, Hydrologie und Glaziologie, ETH Zürich.
51. Broecker, W., T.F. Stocker, 2006, The Holocene CO_2 rise: Anthropogenic or natural?, *EOS: Transactions of the American Geophysical Union 87*, 27-29.
52. Stocker, T.F., 2006, Klima-Vorlesung im Kinosaal. *NZZ am Sonntag* (15.10.2006)
53. Stocker T., 2006, CO_2-Abgabe als Wirtschaftsinvestition. *Bund*, (11. 12. 2006)
54. Stocker T., 2006, Wie überleben wir bis zum Jahr 2106? *Sonntagszeitung*, (31.12.2006)
55. Stocker, T. C. Pfister, C. Schär, H. Wanner, C. Körner, M. Rebetez, U. Neu, 2006, Unzulässige Vergleiche, *Weltwoche* (4.1.2007)
56. Stocker, T., 2007, Die Erde im Treibhaus: eine Herausforderung des 21. Jahrhunderts. *SEV-Bulletin 1(2007),* 9-15.
57. Stocker, T., 2007, From Polar Ice Cores to Better Climate Models? *iprc climate 7 (1)*, 13-15.
58. Stocker, T., 2007, Polare Eisbohrkerne: Eckpfeiler der Klimarekonstruktion. *Geographische Rundschau 59(4),* 40-48.
59. Stocker, T.F., 2007, Hans Oeschger (1927-1998). *New Dictionary of Scientific Biography*, Macmillan.
60. Stocker, T., 2007, Die globale Klimaänderung: Ein Beispiel für erfolgreiche Forschung zwischen Disziplinarität und Interdisziplinarität. In: Allgemeine Ökologie – Innovationen in Wissenschaft und Gesellschaft (A. Di Giulio et al., eds.), 161-167, Haupt Bern.
61. Barbante C., H. Fischer, V. Masson-Delmotte, T. Stocker, C. Waelbroeck, E. Wolff, 2009, Toward a better understanding of climate of the past million years. *EOS Transactions of the American Geophysical Union.*
62. Stocker T., Assessment-Mania. *Horizonte*, September 2009.
63. Stocker, T., 2010, Addressing the challenges of climate change, Inverview in *Integrative Risk Management: Advanced Disaster Recovery*, Swiss Re Centre for Global Dialogue, Rüschlikon, Switzerland, 109-112.
64. Stocker, T.F., Q. Dahe, G.-K. Plattner, P. Midgley, M. Tignor, 2011, Tried and Tested, *Nature Climate Change 1*, 71.
65. Ajai, L. Bengtsson, D. Breashears, P.J. Crutzen, S. Fuzzi, W. Haeberli, W.W. Immerzeel, G. Kaser, C. Kennel, A. Kulkarni, R. Pachauri, T. H. Painter, J. Rabassa, V. Ramanathan, A. Robock, C. Rubbia, L. Russell, M. Sánchez Sorondo, H.J. Schellnhuber, S. Sorooshian, T. F. Stocker, L.G. Thompson, O.B. Toon, D. Zaelke, 2011, Fate of Mountain Glaciers in the Anthropocene, *Pontifical Academy of Sciences*, 1-15.
66. Stocker, T., 2011, Interview (12 Fragen an ...), *GAIA 20/1*, 6-7.
67. Fischer, H. J. Schmitt, S. Eggleston, R. Schneider, J. Elsig, F. Joos, M. Leuenberger, T.F. Stocker, P. Köhler, V. Brovkin, J. Chappellaz, 2015, Ice core-based isotopic constraints on past carbon cycle changes. *PAGES Magazine 23*, 12-13.
68. Stocker, T., 2018, Der Klimawandel: Berner Forschung, globale Politik, lokale Herausforderungen. In: *Die Gebäudeversicherung Bern im Wandel der Zeit: Von der Brandbekämpfung bis zur Klimaforschung*, Haupt Verlag, Bern. pp. 121-139.
69. Stocker, T., 2020, Konrad Steffen (1952-2020): Schnee und Eis waren seine Leidenschaft. *Neue Zürcher Zeitung*, 14.8.2020, 12
70. Stocker, T., 2020, Das Eis spricht. In: Stützle, M., Walcher F., 2020, *The Glacier's Essence: Grönland — Glarus, Kunst Klima Wissenschaft*, Scheidegger & Spiess, Zürich, 123-124.
71. Stocker, T., 2020, The ice speaks. In: Stützle, M., Walcher F., 2020, *The Glacier's Essence: Greenland — Glarus, Climate Science Art*, Scheidegger & Spiess, Zürich, 125-126.

72. Stocker, T., 2020, Sermeq Oqaluttuarpoq. In: Stützle, M., Walcher F., 2020, *The Glacier's Essence: Kalaalit Nunaat — Glarus, Silap pissusaa Ilisimatuussuseq Eqqumiitsuliorneq*, Scheidegger & Spiess, Zürich, 127-128.
73. Stocker, T., 2020, Coronakrise 2020: ein Lehrstück für die globalisierte Gesellschaft. In: *Kunst als Spegel der Wissenschaft.* Museum Cerny, Cerny Inuit Collection, Bern, 40-43.
74. Stocker, T., 2020, Corona crisis 2020: a lesson for a globalised society. In: *Art as a mirror of science.* Museum Cerny, Cerny Inuit Collection, Bern, 40-43.
75. Walcher, F., T. Stocker, 2020, Photo Essay: Melting Ice — Messenger of the global crisis and a call for the great transformation, *Nomad Magazine 9*, 51-70.
76. Thalmann, P., D.N. Bresch, R. Schubert, T.F. Stocker, 2021, Kein Geld mehr für fossile Energien. *NZZ am Sonntag*, 31.1.2021, 47.