

Liste complète des publications:

(mise à jour: janvier 2012)

81. Gualdi, S., S. Somot, L. Li, V. Artale, M. Adani, A. Bellucci, A. Braun, S. Calmanti, A. Carillo, A. Dell'Aquila, M. Déqué, C. Dubois, A. Elizalde, A. Harzallah, D. Jacob, B. Lheveder, W. May, P. Oddo, P. Ruti, A. Sanna, G. Sannino, F. Sevault, E. Scoccimarro and A. Navarra, 2011: The CIRCE simulations: a new set of regional climate change projections performed with a realistic representation of the Mediterranean Sea. Bull Amer Meteor Soc., submitted.
80. Jiang Z., J. Song, L. Li, W. Chen, J. Wang, Z. Wang, 2012: Extreme Climate Events in China: IPCC-AR4 Models' Evaluation and Projection. Climatic Change, 110,385-401.
79. Dubois, C., S. Somot, S. Calmanti, A. Carillo, M. Déqué, A. Dell'Aquila, A. Elizalde, S. Gualdi, D. Jacob, B. L'Hévéder, L. Li, P. Oddo, G. Sannino, E. Scoccimarro and F. Sevault, 2011: Future projections of the surface heat and water budgets of the Mediterranean Sea in an ensemble of coupled atmosphere-ocean regional climate models. Climate Dynamics, DOI:10.1007/s00382-011-1261-4.
78. Planton, S., P. Lionello, V. Artale, R. Aznar, A. Carillo, J. Colin, L. Congedi, C. Dubois, A. Elizalde, S. Gualdi, E. Hertig, G. Jordà Sanchez, L. Li, J. Jacobeit, A. Mariotti, C. Piani, P. Ruti, E. Sanchez-Gomez1, G. Sannino, F. Sevault, S. Somot, 2011: The Climate of the Mediterranean region in future climate projections. Chapter 8 of the MedCLIVAR book.
77. Li, L., A. Casado, L. Congedi, A. Dell'Aquila, C. Dubois, A. Elizalde, B. L'Hévéder, P. Lionello, F. Sevault, S. Somot, P. Ruti, M. Zampieri, 2011: Modelling of the Mediterranean climate system. Chapter 7 of the MedCLIVAR book.
76. Mohino, E., S. Janicot, H. Douville, L. Li, 2011: Impact of the Indian part of the summer MJO on West Africa using nudged climate simulations. Climate Dynamics. Doi: 10.1007/s00382-011-1206-y
75. Junquas, C., C. Vera, L. Li, H. Le Treut, 2011: Summer precipitation variability over Southeastern South America in a global warming scenario. Climate Dynamics, doi: 10.1007/s00382-011-1141-y.
74. Zhang, H., Z. Wang, Z. Wang, Q. Liu, S. Gong, X. Zhang, Z. Shen, P. Lu, X. Wei, H. Che, L. Li, 2011: Simulation of direct radiative forcing of aerosols and their effects on East Asian climate using an interactive AGCM-aerosol coupled system. Climate Dynamics, doi: 10.1007/s00382-011-1131-0
73. Chen W., Z. Jiang, L. Li, 2011: Probabilistic projections of climate change over China under the SRES A1B scenario using 28 AOGCMs, J of Climate, 24, 4741-4756. doi: 10.1175/2011JCLI4102.1

72. Xin, X., T. Zhou, and Z. Li, 2011: Regional climate simulation over Eastern China in spring by a variable resolution AGCM. *Acta Meteorologica Sinica*, 69, 682-692.
71. Msadek, R., C. Frankignoul, Z.X. Li, 2011: Mechanisms of the atmospheric response to North Atlantic multidecadal variability: a model study. *Climate Dyn.*, 36, 1255-1276.
70. Gastineau, G., L. Li, H. Le Treut, 2011: Some atmospheric processes governing the large-scale tropical circulation in idealized aqua-planet simulations. *J Atmos Sci.*, 68, 553-575. doi: 10.1175/2010JAS3439.1
69. Chen W., Z. Jiang, L. Li, and P. Yiou, 2011: Simulation of regional climate change under the IPCC A2 scenario in southeast China. *Climate Dynamics*, 36, 491-507.
68. Zou, L.W., T.J. Zhou, L. Li, J. Zhang, 2010: East China Summer Rainfall Variability of 1958-2000: Dynamical Downscaling with a Variable-Resolution AGCM. *Journal of Climate*, 23, 6394-6408. doi: 10.1175/2010JCLI3689.1
67. Goubanova, K., L. Li, P. Yiou, and F. Codron, 2010: Relation between large-scale circulation and European winter temperature: Does it hold under warmer climate?, *Journal of Climate*, 23, 3752-3759.
66. Menendez, C. G., M. de Castro, J.-P. Boulanger, A. D'Onofrio, E. Sanchez, A.A. Sorensson, J. Blazquez, A. Elizalde, D. Jacob, H. Le Treut, Z.X. Li, M.N. Nunez, S. Pfeiffer, N. Pessacg, A. Rolla, M. Rojas, P. Samuelsson, S.A. Solman, C. Teichmann, 2010: Downscaling extreme month-long anomalies in southern South America. *Climatic Change*, 98, 379-403.
65. Wu, T, R. Yu, F. Zhang, Z. Wang, M. Dong, L. Wang, X. Jin, D. Chen and L. Li, 2010: The Beijing Climate Center atmospheric general circulation model: description and its performance for the present-day climate. *Climate Dynamics*, 34, 123-147, 10.1007/s00382-008-0487-2
64. Zhang J., T. Zhou, Z. Li, W. Man, 2009: Simulation of the little ice age with the climate system model FGOALS-gl, *Chinese Journal of Quaternary Research* (in Chinese) , 29, 1125-1134.
63. Jin, X., T. Wu, L. Li, and C. Shi, 2009: Cloudiness characteristics over Southeast Asia from satellite FY-2C and their comparison to three other cloud datasets. *J. Geophys Res.*, 114, D17207, doi:10.1029/2008JD011422.
62. Gastineau, G., L. Li, and H. Le Treut, 2009: The Hadley and Walker circulations changes in global warming conditions described by idealized atmospheric simulations. *J. of Clim.*, 22, 3993-4013.
61. Ke, Z., P. Zhang, W. Dong, L. Li, 2009: A new way to improve seasonal prediction by diagnosing and correcting the inter-model systematic errors. *Mon. Weath. Rev.*, 137, 1898-1907.

60. Le Treut, H., G. Gastineau and L. Li, 2008: Uncertainties attached to global or local climate changes, *C.R. Geoscience* 340 (2008), pp. 584–590.
59. Mariotti A, Zeng Z, Yoon JH, Artale V, Navarra A, Alpert P, Li LZ, 2008: Mediterranean water cycle changes: transition to drier 21st century conditions in observations and CMIP3 simulations *Environ. Res. Lett.* 3 044001 (8pp)
doi:10.1088/1748–9326/3/4/044001
58. Gastineau, G., H. Le Treut, L. Li, 2008: The Hadley circulation changes of the GCMs under global warming. *Tellus*, 60, 863-884.
57. Xin X, Z. Li, R. Yu and T. Zhou, 2008: Impacts of Upper Tropospheric Cooling upon the Late Spring Drought in East Asia Simulated by a Regional Climate Model. *Adv. Atmos. Sci.*, 25(4), 555-562.
56. Yiou, P., Goubanova, K., Li, Z. X., and Nogaj, M., 2008: Weather regime dependence of extreme value statistics for summer temperature and precipitation, *Nonlin. Processes Geophys.*, 15, 365-378.
55. Déqué, M., et L. Li, : La prévision climatique : régionalisation et extrêmes. *La Météorologie, Série 8, N° 57, Pages : 28-30, Mai 2007.*
54. Goubanova, K., and L. Li, 2007: Extremes in temperature and precipitation around the Mediterranean basin in an ensemble of future climate scenario simulations. *Global and planetary change*, 57, 27-42.
53. Hourdin, F. and 13 co-authors (Z.X. Li), 2006: The LMDZ4 general circulation model: climate performance and sensitivity to parametrized physics with emphasis on tropical convection. *Climate Dynamics*, 27, 787-813.
52. Li, Z.X., 2006: Atmospheric GCM response to an idealized anomaly of the Mediterranean sea surface temperature. *Climate Dynamics*, 27, 543-552.
51. Li, L., A. Bozec, S. Somot, 2006: Modelling regional-scale climate change of the Mediterranean. *Exchanges CLIVAR newsletter*, No. 37 (vol. 11, no.2) pp. 24-27.
50. d'Orgeval, T., J. Polcher and L. Li, 2006: Uncertainties in modelling future hydrological change over West Africa. *Climate Dynamics*, 26, 93-108.
49. Ulbrich, U., W. May, L. Li, P. Lionello, J. G. Pinto, S. Somot, 2006: The Mediterranean Climate Change Under Global Warming. In "Mediterranean climate variability and predictability" edited by P. Lionello, P. Malanotte-Rizzoli and R. Boscolo, Elsevier, Amsterdam, pp. 398-415.
48. Li, L, A. Bozec, S. Somot, K. Beranger, P. Bouruet-Aubertot, F. Sevault, M. Crepon, 2006: Regional atmospheric, marine processes and climate modelling. In "Mediterranean climate variability and predictability" edited by P. Lionello, P. Malanotte-Rizzoli and R. Boscolo, Elsevier, Amsterdam, pp. 373-397.

47. Lionello, P., P. Malanotte-Rizzoli, R. Boscolo, P. Alpert, V. Artale, L. Li, J. Luterbacher, W. May, R. Trigo, M. Tsimplis, U. Ulbrich and E. Xoplaki, 2006: The Mediterranean Climate: An Overview of the Main Characteristics and Issues. In "Mediterranean climate variability and predictability" edited by P. Lionello, P. Malanotte-Rizzoli and R. Boscolo, Elsevier, Amsterdam, pp. 1-26.
46. Li, W., Z.X. Li, H.L. Liu, 2006: ITF in a coupled GCM and its interannual variability related to ENSO and IOD., *Acta Oceanologica Sinica*, 25, 32-47.
45. Conil, S., and Z.X. Li, 2005: Linearity of the atmospheric response to North Atlantic SST and Sea Ice anomalies, *J. Climate*, 18, 1986-2003.
44. Li, L., 2005: Modélisation du système climatique et de sa réponse à une augmentation de l'effet de serre. Chapitre 6 du livre "l'Energie de demain, techniques, environnement, économie" (édité par J.L. Bobin, E. Huffer et H. Nifenecker). EDP Sciences 2005, Grenoble, France, pp 139-151.
43. Yu, W.D., Z.X. Li, Y. Yuan, 2005, Improvement of the SLP simulation in the coupled AGCM–ocean surface wave model, *Chinese Science Bulltin*, Vol. 50, 2397–2400.
42. Berntsen, T.K., J.S. Fuglestedt, M. Joshi, K.P. Shine, N. Stuber, M. Ponater, R. Sausen, D.A. Hauglustaine, and L. Li, 2004: Climate response to regional emissions of ozone precursors; sensitivities and warming potentials. *Tellus*, 57B, 283-304.
41. Zhou, T.J., Z.X. Li, Y.Q. Yu, R.C. Yu, and X.H. Zhang, 2004: Indian ocean response to ENSO in IPSL air-sea coupled model. *Chinese Journal of Atmospheric Sciences*, 28, 313-330.
40. Li, L., 2003: Evolution future du climat en Méditerranée: vers un état de sécheresse accru?, *Rapport quadriennal du CNFGG 2003*. pp. 220-223.
39. Li, Z.X., S. Conil, 2003: Transient response of an atmospheric GCM to North Atlantic SST anomalies, *J. Climate*, 16, 3993-3998.
38. Joshi, M., K. Shine, M. Ponater, N. Stuber, R. Sausen, and Z.X. Li, 2003: A comparison of climate response to different radiative forcings in three general circulation models: towards an improved metric of climate change. *Climate Dynamics*, 20, 843-854.
37. Conil, S., and Z.X. Li, 2003: Influence of the North Atlantic on simulated atmospheric variability. *Annals of Geophysics*, 46, 57-70.
36. Li, Z.X., and S. Conil, 2003: A 1000-year simulation with the IPSL ocean-atmosphere coupled model. *Annals of Geophysics*, 46, 39-46.
35. Zhou, T.J., R.C. Yu, and Z.X. Li, 2002: ENSO-dependent and ENSO-independent variability over the mid-latitude North Pacific: Observation and air-sea coupled model simulation. *Advances in Atmospheric Sciences*, 19, 1127-1147.

34. Zhou, T.J., and Z.X. Li, 2002: Simulation of the East Asian Summer Monsoon using a variable resolution atmospheric GCM. *Climate Dynamics*, 19, 167-180.
33. Ide, K., H. Le Treut, Z.X. Li, and M. Ghil, 2001: Atmospheric radiative equilibria. Part II: Bimodal solutions for atmospheric optical properties. *Climate Dynamics*, 18, 29-49.
32. Menendez, C.G., A.C. Saulo, and Z.X. Li, 2001: Simulation of South American wintertime climate with a nesting system. *Climate Dynamics*, 17, 219-231.
31. Li, Z.X., 2001: Thermodynamic air-sea interactions and tropical Atlantic SST dipole pattern. *Phys. Chem. Earth (b)*, 26, 155-157.
30. Li, Z.X., 2000: Influence of tropical Pacific El Niño on the SST of the Southern Ocean through atmospheric bridge. *Geophys. Res. Lett.*, 27, 3505-3508.
29. Li, Z.X., Le Treut H., 1999 : Transient behavior of the meridional moisture transport across South America and its relation to atmospheric circulation patterns. *Geophys. Res. Lett.*, 26, 1409-1412.
28. Li, Z.X., 1999 : Impact of ensemble size on the assessment of model climate signal. In *Beyond El Niño: Decadal climate variability* (edited by A. Navarra), Springer-Verlag, pp. 163-169.
27. Li, Z.X., 1999: Ensemble atmospheric GCM simulation of climate interannual variability from 1979 to 1994. *J. of Climate*, 12, 986-1001.
26. Bouraoui F., Vachaud G., Li Z.X., Le Treut H., Chen T., 1999 : Evaluation of the impact of climate changes on water storage and groundwater recharge at the watershed scale. *Climate Dynamics*, 15, 153-161.
25. Barthelet P., 26 co-auteurs (Li Z.X.), 1998 : Simulations couplées globales des changements climatiques associés à une augmentation de la teneur atmosphérique en CO₂. *Compre-rendu de l'académie des sciences*, 326, 677-684.
24. Le Treut H., Forichon M., Boucher O., Li Z.X., 1998: Sulfate aerosol indirect effect and CO₂ greenhouse forcing : Equilibrium response of the LMD GCM and associated cloud feedbacks. *J. of Climate*, 11, 1673-1684.
23. Carril, A.F., and Z.X. Li, 1998: Representacion del anticiclón boliviano según el modelo de circulación general LMDZ/CIMA, *Meteorologica*, 23, 27-35.
22. Li, Z.X., and A.F. Carril, 1998: Transient properties of atmospheric circulation in two reanalysis datasets. *Notes du Pôle de Modélisation IPSL*, Novembre 1998, No. 10, Paris.
21. Laurent, C., H. Le Treut, Z.X. Li, L. Fairhead, and J.-L. Dufresne, 1998: The influence of resolution in simulating inter-annual and inter-decadal variability in a

coupled ocean-atmosphere GCM, with emphasis over the North Atlantic. Notes du Pôle de Modélisation IPSL, Septembre 1998, No. 8, Paris.

20. Krinner, G., Genthon C., Li Z.X., Le Van P., 1997 : Studies of the Antarctic climate with a stretched-grid general circulation model. *J. Geophys. Res.*, 102, D12, 13731-13745.

19. Li, Z.X., Ide K., Le Treut H., Ghil M. 1997 : Atmospheric radiative equilibria in a simple column model. *Climate Dynamics*, 13, 429-440.

18. Li, Z.X., 1995: Comparison of Convection Parameterizations in an Atmospheric General Circulation Model. In *Climate Sensitivity: Physical Mechanisms and their Validation*, Edited by H. Le Treut, Springer-Verlag, NATO Workshop vol. I34, 127-137.

17. Le Treut, H., M. Forichon, O. Boucher and Z.X. Li, 1995: Aerosol and greenhouse gases forcing: Cloud feedbacks associated to the climate response. In *Climate Sensitivity: Physical Mechanisms and their Validation*, Edited by H. Le Treut, Springer-Verlag, NATO Workshop, vol. I34, 267-280.

16. Le Treut, H., Z.X. Li, and O. Boucher, 1994: The Parameterization of the Precipitation Process in the LMD General Circulation Model. In *Global Precipitations and Climate Change*, NATO ASI series, Vol. I 26, Edited by M. Desbois and F. Désalmand, pp. 379-386, Springer-Verlag.

15. Le Treut, H., Z.X. Li, and S. Bony, 1994: Climate sensitivity: Cloud and water feedbacks and their assessment. In *The Solar Engine and Its Influence on Terrestrial Atmosphere and Climate*, NATO ASI series, Vol. I 25, Edited by E. Nesme-Ribes, pp. 353-367, Springer-Verlag.

14. Le Treut, H., Li, Z.X., and M. Forichon, 1994: Sensitivity of the LMD General Circulation Model to Greenhouse Forcing Associated with Two Different Cloud Water Parameterizations. *J. of Climate*, 7, 1827-1841.

13. Li, Z.X., H. Le Treut, et M. Forichon 1994: Effet de serre et rétroactions du climat. *La Météorologie*, vol.8 no.4, 23-30.

12. Li, Z.X., and H. Le Treut, 1993: Studies of cloud-radiation feedbacks with the LMD general circulation model. In *Climate, Environment and Geophysical Fluid Dynamics*, (Eds: Ye), Beijing, 35-42.

11. Cess, R.D., ..., H. Le Treut, Z.X. Li, ..., 1993: Uncertainties in CO₂ radiative forcing in atmospheric general circulation models. *Science*, 262, 1252-1255.

10. Nesme-Ribes E., E.N. Ferreira, R. Sadourny, H. Le Treut, and Z.X. Li, 1993: Solar dynamics and its impact on solar irradiance and the terrestrial climate. *J. of Geophys. Res.*, 98A, 18923-18935.

9. Randall, D.A., R.D. Cess, ..., H. Le Treut, Z.X. Li, ..., 1992: Intercomparison and interpretation of surface energy fluxes in atmospheric general circulation models. *J. Geophys. Res.*, 97D, 3711-3724.
8. Li, Z.X., and H. Le Treut, 1992: Cloud-radiation feedbacks in a general circulation model and their dependence on cloud modelling assumptions. *Climate Dyn.*, 7, 133-139.
7. Le Treut, H., and Z.X. Li, 1991: Sensitivity of an atmospheric general circulation model to prescribed SST changes: feedback effects associated with the simulation of cloud optical properties. *Climate Dyn.*, 5, 175-187.
6. Cess, R.D., G.L. Potter, ..., H. Le Treut, Z.X. Li, ..., 1990: Intercomparison and interpretation of climate feedback processes in 19 atmospheric general circulation models. *J. Geophys. Res.*, 95D, 16601-16615.
5. Li, Z.X., 1990: Etude de l'interaction nuage-rayonnement dans le contexte du changement climatique dû à l'augmentation des gaz à effet de serre dans l'atmosphère. Thèse de Doctorat de l'Université Paris 7, pp.209.
4. Li, Z.X., and H. Le Treut, 1990: Sensitivity analysis with a 1-D climate model. *Chinese J. of Atmos. Sci.*, 14, 72-82 (Chinese version), 87-99 (English version).
3. Cess, R.D., G.L. Potter, ..., H. Le Treut, Z.X. Li, ..., 1989: Intercomparison of Cloud-Climate Feedback as Produced by 14 Atmospheric General Circulation Models. *Science*, 245, 513-516.
2. Li, Z.X., Le Treut H., 1989: Comparison of GCM results with data from operational meteorological satellites. *Ocean-Air interactions*, 1, 221-237.
1. Le Treut, H., Li Z.X., 1988: Using METEOSAT data to validate a prognostic cloud generation scheme. *Atmos. Res.*, 21, 273-292.