

BIBLIOGRAPHIE

Edouard Bard a publié plus de 250 articles dans la littérature scientifique expertisée par les pairs. Ces publications sont souvent citées comme le montrent sa distinction en 2001 comme French Citation Laureate 1981-1998 de l'Institute for Scientific Information (ISI), et son inclusion en 2001, 2014, 2015 et 2016 dans la liste internationale des Highly Cited Researchers.

La base Google Scholar détermine un nombre total de citations d'environ 54000 et un Index H de 81 (plus de 3000 citations par an pour les 8 dernières années). Parmi ces articles, 28 sont cités 300 fois ou plus, dont 14 en tant que premier auteur. Une liste complète est disponible via Google Scholar : <http://scholar.google.fr/citations?user=qOkHfWEAAAAJ&hl=fr>

Edouard Bard est aussi l'auteur de plus d'une trentaine d'articles de vulgarisation et de livres destinés au grand public, notamment : « L'Homme et le climat », Découvertes Gallimard n°482, 128 pp (2005) et auteur-directeur de « L'Homme face au climat », Odile Jacob, 448 pp (2006) et de « L'Océan, le climat et nous : un équilibre fragile ? », Le Pommier & Universcience, 168 pp. (2011).

Liste complète des articles scientifiques dans des revues et ouvrages à comités de lecture:

Voir la liste des livres et des articles de vulgarisation après la liste des publications scientifiques

251- Young NE, Lesnek AJ, Cuzzzone JK, Briner JP, Badgeley JA, Balter-Kennedy A, Graham BL, Cluett A, Lamp JL, Schwartz R, Tuna T, Bard E, Caffee MW, Zimmerman SRH, Schaefer JM. Cosmogenic isotope measurements from recently deglaciated bedrock as a new tool to decipher changes in Greenland Ice Sheet size. *Climate of the Past*, DOI: 10.5194/cp-2020-111 (2020).

250- Bard E, Heaton TJ, Talamo S, Kromer B, Reimer RW, Reimer PJ. Extended dilation of the radiocarbon time scale between 40,000 and 48,000 years BP and the overlap between Neanderthals and Homo sapiens. *Proceedings of the National Academy of Sciences* 117 (35), 21005-21007, + 2 p. suppl., DOI: 10.1073/pnas.2012307117 (2020).

249- Capano C, Martinelli N, Baioni M, Tuna T, Bernabei M, Bard E. Is the dating of short tree-ring series still a challenge? New evidence from the pile dwelling of Lucone di Polpenazze (northern Italy). *Journal of Archaeological Sciences* 121, 105190, DOI:10.1016/j.jas.2020.105190 (2020).

248- Wacker L, Scott EM, Bayliss A, Brown D, Bard E, Bollhalder S, Friedrich M, Capano M, Cherkinsky A, Chivall D, Culleton BJ, Dee MW, Friedrich R, Hodgins GWL, Hogg A, Kennett DJ, Knowles TDJ, Kuitems M, Lange TE, Miyake F, Nadeau M-J, Nakamura T, Naysmith JP, Olsen J, Omori T, Petzsch F, Philippson B, Ramsey CB, Prasad GVR, Seiler M, Southon J, Staff R, Tuna T. Findings from an in-depth annual tree ring radiocarbon intercomparison. *Radiocarbon*, 62 (4), 873-882, DOI: 10.1017/RDC.2020.49 (2020).

247- Heaton TJ, Köhler P, Butzin M, Bard E, Reimer RW, Austin WEN, Bronk Ramsey C, Grootes PM, Hughen KA, Kromer B, Reimer PJ, Adkins JF, Burke A, Cook MS, Olsen J, Skinner LC. Marine20 - the marine radiocarbon age calibration curve (0-55,000 cal BP). *Radiocarbon*, 62 (4), 821-863, DOI: 10.1017/RDC.2020.68 (2020).

246- Reimer PJ, Austin WEN, Bard E, Bayliss A, Blackwell PG, Ramsey CB, Butzin M, Cheng H, Edwards RL, Friedrich M, Grootes PM, Guilderson TP, Hajdas I, Heaton TJ, Hogg AG, Hughen KA, Kromer B, Manning SW, Muscheler R, Palmer JG, Pearson C, Plicht Jvd, Reimer RW, Richards DA, Scott EM, Southon JR, Turney CSM, Wacker L, Adophi F, Büntgen U, Capano M, Fahrni S, Fogtmann-Schulz A, Friedrich R, Köhler P, Kudsk S, Miyake F, Olsen J, Reinig F, Sakamoto M,

Sookdeo A, Talamo S. The IntCal20 Northern Hemisphere radiocarbon calibration curve (0-55 kcal BP). *Radiocarbon*, 62 (4), 725-757, DOI: 10.1017/RDC.2020.41 (2020).

245- Hublin JJ, Sirakov N, Aldeias V, Bailey S, Bard E, Delvigne V, Endarova E, Fagault Y, Fewlass H, Hajdinjak M, Kromer B, Krumov I, Marreiros J, Martisius N, Paskulin L, Sinet-Mathiot V, Meyer M, Pääbo S, Popov V, Rezek Z, Sirakova S, Skinner MM, Smith GM, Spasov R, Talamo S, Tuna T, Wacker L, Welker F, Wilcke A, Zahariev N, McPherron SP, Tsanova T. Initial Upper Palaeolithic Homo sapiens from Bacho Kiro Cave, Bulgaria. *Nature*, 581, 299-302, + 13 p. suppl., DOI: 10.1038/s41586-020-2259-z (2020).

244- Fewlass H, Talamo S, Wacker L, Kromer B, Tuna T, Fagault Y, Bard E, McPherron SP, Aldeias V, Maria R, Martisius NL, Paskulin L, Rezek Z, Sinet-Mathiot V, Sirakova S, Smith GM, Spasov R, Welker F, Sirakov N, Tsanova T, Hublin JJ. New ^{14}C chronology for Middle-to-Upper Palaeolithic transition at Bacho Kiro Cave, Bulgaria. *Nature Ecology & Evolution*, 4, 794-801, + 4 p. suppl., DOI: 10.1038/s41559-020-1136-3 (2020).

243- Simon Q, Ledru M-P, Sawakuchi AO, Favier C, Mineli TD, Grohmann CH, Guedes M, Bard E, Thouveny N, Garcia M, Tachikawa K, Rodríguez-Zorro PA, ASTER Team. Chronostratigraphy of a 1.5 ± 0.1 Ma composite sedimentary record from Colônia basin (SE Brazil): Bayesian modeling based on paleomagnetic, authigenic $^{10}\text{Be}/^{9}\text{Be}$, radiocarbon and luminescence dating. *Quaternary Geochronology* 58, 101081, DOI: 10.1016/j.quageo.2020.101081 (2020).

242- Rodriguez-Zorro PA, Ledru MP, Bard E, Aquino-Alfonso O, Camejo A, Daniau AL, Favier C, Garcia M, Mineli TD, Rostek F, Sawakuchi A, Simon Q, Tachikawa K, Thouveny N. Shut down of the South American summer monsoon during the penultimate glacial. *Scientific Reports* 10: 6275, 1-11, + 18 p. suppl., DOI: 10.1038/s41598-020-62888-x (2020).

241- Martin C, Menot G, Thouveny N, Peyron O, Andrieu-Ponel V, Montade V, Davtian N, Reille M, Bard E. Early Holocene Thermal Maximum recorded by branched tetraethers and pollen in Western Europe (Massif Central, France). *Quaternary Science Reviews* 228, 106109, 1-21, DOI: 10.1016/j.quascirev.2019.106109 (2020).

240- Ménot G, Pivot S, Bouloubassi I, Davtian N, Hennekam R, Bosch D, Ducassou E, Bard E, Migeon S, Revel M. Timing and stepwise transitions of the African Humid Period from geochemical proxies in the Nile deep-sea fan sediments. *Quaternary Science Reviews* 228, 106071, 1-14, DOI: 10.1016/j.quascirev.2019.106071 (2020).

239- Milesi VP, Debure M, Marty NCM, Capano M, Jézéquel D, Steefel C, Rouchon V, Albéric P, Bard E, Sarazin G, Guyot F, Virgone A, Gaucher EC, Ader M. Early Diagenesis of Lacustrine Carbonates in Volcanic Settings: The Role of Magmatic CO₂ (Lake Dziani Dzaha, Mayotte, Indian Ocean). *American Chemical Society Earth and Space Chemistry*, 4 (3), 363-378, DOI: 10.1021/acsearthspacechem.9b00279 (2020).

238- Capano M, Miramont C, Shindo L, Guibal F, Marschal C, Kromer B, Tuna T, Bard E. Onset of the Younger Dryas recorded with ^{14}C at annual resolution in French subfossil trees. *Radiocarbon*, 62 (4), 901-918, DOI: 10.1017/RDC.2019.116 (2020).

237- Pivot S, Baroni M, Bard E, Giraud X, ASTER Team A comparison of ^{36}Cl nuclear bomb inputs deposited in snow from Vostok and Talos Dome, Antarctica, using the $^{36}\text{Cl}/\text{Cl}^-$ ratio. *Journal of Geophysical Research* 124 (20), 10973-10988, DOI: 10.1029/2018JD030200 (2019).

- 236- Baroni M, Bard E, Jean-Robert Petit JR, Viseur S, ASTER Team, Persistent draining of the stratospheric ^{10}Be reservoir after the Samalas volcanic eruption (1257 CE). *Journal of Geophysical Research* 124 (13), 7082-7097, DOI: 10.1029/2018JD029823 (2019).
- 235- Fewlass H, Talamo S, Kromer B, Bard E, Tuna T, Fagault Y, Sponheimer M, Ryder C, Hublin JJ, Perri A, Sázelová S, Svoboda J. Direct radiocarbon dates of mid Upper Palaeolithic human remains from Dolní Věstonice II and Pavlov I, Czech Republic. *Journal of Archaeological Science* 27, 102000, 1-8, DOI: 10.1016/j.jasrep.2019.102000 (2019).
- 234- Martin C, Ménot G, Thouveny N, Davtian N, Andrieu-Ponel V, Reille M, Bard E. Impact of human activities and vegetation changes on the tetraether sources in Lake St Front (Massif Central, France). *Organic Geochemistry* 135, 38-52, DOI: 10.1016/j.orggeochem.2019.06.005 (2019).
- 233- Lamp JL, Young NE, Koffman T, Schimmelpfennig I, Tuna T, Bard E, Schaefer JM. Update on the cosmogenic in situ ^{14}C laboratory at the Lamont-Doherty Earth Observatory. *Nuclear Instruments and Methods in Physics Research B* 456, 157-162, DOI: 10.1016/j.nimb.2019.05.064 (2019).
- 232- Bonvalot L, Tuna T, Fagault Y, Sylvestre A, Mesbah B, Wortham H, Jaffrezo JL, Marchand N, Bard E. Source apportionment of carbonaceous aerosols in the vicinity of a Mediterranean industrial harbor: A coupled approach based on radiocarbon and molecular tracers. *Atmospheric Environment* 212, 250-261, DOI: 10.1016/j.atmosenv.2019.04.008 (2019).
- 231- Davtian N, Ménot G, Fagault Y, Bard E. Western Mediterranean Sea paleothermometry over the last glacial cycle based on the novel RI-OH index. *Paleoceanography and Paleoceanography* 34, 616-634, + 4 p. suppl., DOI: 10.1029/2018PA003452 (2019).
- 230- Fewlass H, Tuna T, Fagault Y, Hublin JJ, Kromer B, Bard E, Talamo S. Pretreatment and gaseous radiocarbon dating of 40–100 mg archaeological bone, *Scientific Reports* 9: 5342, 1-11, + 4 p. suppl., DOI: 10.1038/s41598-019-41557-8 (2019).
- 229- Nouara A, Panagiotopoulos C, Balesdent J, Violakia K, Bard E, Fagault Y, Repeta DJ, Sempéré R. Liquid chromatographic isolation of individual carbohydrates from environmental matrices for stable carbon analysis and radiocarbon dating. *Analytica Chimica Acta* 1067, 137-146, DOI: 10.1016/j.aca.2019.03.028 (2019).
- 228- Marriner N, Kaniewski D, Gambin T, Gambin B, Vanniere B, Morhange C, Djamali M, Tachikawa K, Robin V, Rius D, Bard E. Fire as a motor of rapid environmental degradation during the earliest peopling of Malta 7500 years ago. *Quaternary Science Reviews* 212, 199-205, DOI: 10.1016/j.quascirev.2019.03.001 (2019).
- 227- O'Hare P, Mekhaldi F, Adolphi F, Raisbeck G, Aldahan A, Anderberg E, Beer J, Christl M, Fahrni S, Synal H-A, Park J, Possnert G, Southon J, Bard E, ASTER Team, Muscheler R. Multiradionuclide evidence for an extreme solar proton event around 2610 BP (\approx 660 BC). *Proceedings of the National Academy of Sciences* 116, 5961–5966, + 5 p. suppl., DOI: 10.1073/pnas.1815725116 (2019).
- 226- Fagault Y, Tuna T, Rostek F, Bard E. Radiocarbon dating small carbonate samples with the gas ion source of AixMICADAS. *Nuclear Instruments and Methods in Physics Research B* 455, 276-283, DOI: 10.1016/j.nimb.2018.11.018 (2019).
- 225- Brisset E, Djamali M, Bard E, Borschneck D, Gandouin E, Garcia M, Stevens L, Tachikawa K. Late Holocene hydrology of Lake Maharlou, southwest Iran, inferred from high-resolution

sedimentological and geochemical analyses. *Journal of Paleolimnology* 61, 111-128, DOI: 10.1007/s10933-018-0048-6 (2019).

224- Jouve G, Vidal L, Adallala R, Rhoujjati A, Benkaddour A, Chapron E, Tachikawa K, Bard E, Courp T, Dezileau L, Hebert B, Rapuc W, Simonneau A, Sonzogni C, Sylvestre F. Recent hydrological variability of the Moroccan Middle Atlas Mountains inferred from microscale sedimentological and geochemical analyses of lake sediments. *Quaternary Research* 91 (1), 414-430, DOI: 10.1017/qua.2018.94 (2019).

223- Tuna T, Fagault Y, Bonvalot L, Capano C, Bard E. Development of small CO₂ gas measurements with AixMICADAS. *Nuclear Instruments and Methods in Physics Research B* 437, 93-97, DOI: 10.1016/j.nimb.2018.09.012 (2018).

222- Wu CJ, Usoskin IG, Krivova N, Kovaltsov GA, Baroni M, Bard E, Solanki SK. Solar activity over nine millennia: A consistent multi-proxy reconstruction. *Astronomy & Astrophysics* 615, A93, 1-13, DOI: 10.1051/0004-6361/201731892 (2018).

221- Cartier R, Brisset E, Guiter F, Sylvestre F, Tachikawa K, Anthony EJ, Paillès C, Bruneton H, Bard E, Miramont C. Multiproxy analyses of Lake Allos reveal synchronicity and divergence in geosystem dynamics during the Lateglacial/Holocene in the Alps. *Quaternary Science Reviews* 186, 60-77, DOI: 10.1016/j.quascirev.2018.02.016 (2018).

220- Braucher R, Keddadouche K, Aumaître G, Bourlès DL, Arnold M, Pivot S, Baroni M, Scharf A, Rugel G, Bard E. Chlorine measurements at the 5MV French AMS national facility ASTER: Associated external uncertainties and comparability with the 6MV DREAMS facility. *Nuclear Instruments and Methods in Physics Research B* 420, 40-45, DOI: 10.1016/j.nimb.2018.01.025 (2018).

219- Davtian N, Bard E, Ménot G, Fagault Y. The importance of mass accuracy in selected ion monitoring analysis of branched and isoprenoid tetraethers. *Organic Geochemistry* 118, 58-62, DOI: 10.1016/j.orggeochem.2018.01.007 (2018).

218- Capano M, Miramont C, Guibal F, Kromer B, Tuna T, Fagault Y, Bard E. Wood ¹⁴C dating with AixMICADAS: methods and application to tree-ring sequences from the Younger Dryas event in the southern French Alps. *Radiocarbon* 60, 51-74, DOI: 10.1017/RDC.2017.83 (2018).

217- Fewlass H, Talamo S, Tuna T, Fagault Y, Kromer B, Hoffman H, Pangrazzi C, Hublin JJ, Bard E. Size matters: radiocarbon dates on microgram collagen samples back to the Palaeolithic with AixMICADAS and its gas ion source. *Radiocarbon*, 60 (2), 425-439, DOI: 10.1017/RDC.2017.98 (2018).

216- Guerra L, Piovano EL, Córdoba FE, Tachikawa K, Rostek F, Garcia M, Bard E, Sylvestre S. Climate change evidences from the end of the Little Ice Age to the Current Warm Period registered by Melincué Lake (Northern Pampas, Argentina). *Quaternary International* 438 (A), 160-174, DOI: 10.1016/j.quaint.2016.06.033 (2017).

215- Dutton A, Rubin K, McLean N, Bowring J, Bard E, Edwards RL, Henderson GM, Reid MR, Richards DA, Sims KWW, Walker JD, Yokoyama Y. Data reporting standards for publication of U-series data for geochronology and timescale assessment in the earth sciences. *Quaternary Geochronology* 39, 142-149, DOI: 10.1016/j.quageo.2017.03.001 (2017).

214- Sepulcre S, Durand N, Bard E. Large ¹⁴C age offsets between the fine fraction and coexisting

planktonic foraminifera in shallow Caribbean sediments. *Quaternary Geochronology* 38, 61-74, DOI: 10.1016/j.quageo.2016.12.002 (2017).

213- Jungclaus JH, Bard E, Baroni M, Braconnot P, Cao J, Chini LP, Egorova T, Evans M, González-Rouco JF, Goosse H, Hurtig GC, Joos F, Kaplan JO, Khodri M, Klein Goldewijk K, Krivova N, LeGrande AN, Lorenz SJ, Luterbacher J, Man W, Maycock AC, Meinshausen M, Moberg A, Muscheler M, Nehrbass-Ahles C, Otto-Bliesner BI, Phipps SJ, Pongratz J, Rozanov E, Schmidt GA, Schmidt H, Schmutz W, Schurer A, Shapiro AI, Sigl M, Smerdon JE, Solanki SK, Timmreck C, Toohey M, Usofsian IG, Wagner S, Wu CJ, Yeo KL, Zanchettin D, Zhang Q, Zorita E. The PMIP4 contribution to CMIP6 - Part 3: The Last Millennium, Scientific Objective and Experimental Design for the PMIP4 past1000 simulations. *Geoscientific Model Development* 10 (11), 4005-4033, DOI: 10.5194/gmd-10-4005-2017 (2017).

212- Bard E, Hamelin B, Deschamps P, Camoin G. Comment on Younger Dryas sea level and meltwater pulse 1B recorded in Barbados reef crest coral *Acropora palmata* by Abdul et al. *Paleoceanography and Paleoclimatology*, 31, 1603-1608, DOI: 10.1002/2016PA002979 (2016).

211- Bonvalot L, Tuna T, Fagault Y, Jaffrezo JL, Jacob V, Chevrier F, Bard E. Estimating contributions from biomass burning, fossil fuel combustion, and biogenic carbon to carbonaceous aerosols in the Valley of Chamonix: a dual approach based on radiocarbon and levoglucosan. *Atmospheric Chemistry and Physics* 16, 1-20, DOI: 10.5194/acp-16-13753-2016 (2016).

210- Shumilovskikh LS, Hopper K, Djamali M, Ponel P, Demory F, Rostek F, Tachikawa K, Bittmann F, Golyeva A, Guibal F, Talon B, Wang LC, Nezamabadi M, Bard E, Lahijani H, Nokandeh J, Rekavandi HO, de Beaulieu JL, Sauer S, Andrieu-Ponel V. Landscape evolution and agro-sylvopastoral activities on the Gorgan Plain (NE Iran) in the last 6000 years. *The Holocene* 26, 1676-1691, DOI: 10.1177/0959683616646841 (2016).

209- Davtian N, Ménot G, Bard E, Poulenard J, Podwojewski P. Considering soil types for the calibration of molecular proxies for soil pH and temperature. *Organic Geochemistry* 101, 140-153, DOI: 10.1016/j.orggeochem.2016.09.002 (2016).

208- Chassiot L, Chapron E, Di Giovanni C, Lajeunesse P, Tachikawa K, Garcia M, Bard E. Historical seismicity of the Mont Dore volcanic province (Auvergne, France) unraveled by a regional lacustrine investigation: New insights about lake sensitivity to earthquakes. *Sedimentary Geology* 339, 134-150, DOI: 10.1016/j.sedgeo.2016.04.007 (2016).

207- Clark PU, Shakun JD, Marcott SA, Mix AC, Eby M, Kulp S, Levermann A, Milne GA, Pfister PL, Santer BD, Schrag DP, Solomon S, Stocker TF, Strauss BH, Weaver AJ, Winkelmann R, Archer D, Bard E, Goldner A, Lambeck K, Pierrehumbert RT, Plattner GK. Consequences of twenty-first-century policy for multi-millennial climate and sea-level change. *Nature Climate Change* 6, 360-369, DOI: 10.1038/nclimate2923 (2016).

206- Darfeuil S, Ménot G, Giraud X, Rostek F, Tachikawa K, Garcia M, Bard E. Sea surface temperature reconstructions over the last 70 kyr off Portugal: biomarker data and regional modeling. *Paleoceanography and Paleoclimatology*, 31, 40-65, + 15 p. suppl., DOI: 10.1002/2015PA002831 (2016).

205- Wegwerth A, Ganopolski A, Ménot G, Kaiser J, Dellwig O, Bard E, Lamy F, Arz HW. Black Sea temperature response to glacial millennial-scale climate variability. *Geophysical Research Letters* 42, 8147-8154, DOI : 10.1002/2015GL065499 (2015).

- 204- Delaygue G, Bekki S, Bard E, Modelling the stratospheric budget of beryllium isotopes. *Tellus B* 67, 28582, 1-16, DOI: 10.3402/tellusb.v67.28582 (2015).
- 203- Ledru MP, Reimold WU, Ariztegui D, Bard E, Crósta AP, Riccomini C, Sawakuchi AO, Why deep drilling in the Colônia Basin (Brazil)? *Scientific Drilling* 3, 1-7, DOI: 10.5194/sd-3-1-2015 (2015).
- 202- Cauquoin A, Landais A, Raisbeck GM, Jouzel J, Bazin L, Kageyama M, Peterschmitt JY, Werner M, Bard E, ASTER Team. Comparing past accumulation rate reconstructions in East Antarctic ice cores using ^{10}Be , water isotopes and CMIP5-PMIP3 models. *Climate of the Past* 11, 355-367, DOI: 10.5194/cp-11-355-2015 (2015).
- 201- Aloisi G, Soulet G, Henry P, Wallmann K, Sauvestre R, Vallet-Coulomb C, Lécuyer C, Bard E. Freshening of the Marmara Sea prior to its post-glacial reconnection to the Mediterranean Sea. *Earth and Planetary Science Letters* 413, 176-185, DOI: 10.1016/j.epsl.2014.12.052 (2015).
- 200- Bard E, Tuna T, Fagault Y, Bonvalot L, Wacker L, Fahrni S, Synal H-A. AixMICADAS, the accelerator mass spectrometer dedicated to ^{14}C recently installed in Aix-en-Provence, France. *Nuclear Instruments and Methods in Physics Research B* 361, 80-86, DOI: 10.1016/j.nimb.2015.01.075 (2015).
- 199- Gasse F, Vidal L, Van Campo E, Demory F, Develle AL, Tachikawa K, Elias A, Bard E, Garcia M, Sonzogni C, Thouveny N. Hydroclimatic changes in northern Levant over the past 400,000 years. *Quaternary Science Reviews* 111, 1-8, DOI: 10.1016/j.quascirev.2014.12.019 (2015).
- 198- Sanchi L, Ménot G, Bard E. Environmental controls on paleo pH at mid-latitudes: a case study from Central and Eastern Europe. *Palaeogeography, Palaeoclimatology and Palaeoecology* 417, 458-466, DOI: 10.1016/j.palaeo.2014.10.007 (2015).
- 197- Tachikawa K, Vidal L, Cornuault M, Garcia M, Pothin A, Sonzogni C, Bard E, Menot G, Revel M. Eastern Mediterranean Sea circulation inferred from the conditions of S1 sapropel deposition. *Climate of the Past* 11, 855-867, DOI: 10.5194/cp-11-855-2015 (2015).
- 196- Köhler P, Knorr G, Bard E. Permafrost thawing as source of abrupt carbon release at the onset of the Bølling/Allerød. *Nature Communications* 5: 5520, 1-10, + 20 p. suppl., DOI: 10.1038/ncomms6520 (2014).
- 195- Wegwerth A, Dellwig O, Kaiser J, Ménot G, Bard E, Shumilovskikh L, Schnetger B, Kleinhanns IC, Wille M, Arz HW. Meltwater events and the Mediterranean reconnection at the Saalian–Eemian transition in the Black Sea. *Earth and Planetary Science Letters* 404, 124-135, DOI: 10.1016/j.epsl.2014.07.030 (2014).
- 194- Barlyaeva T, Bard E, Abarca-del-Rio R. Rotation of the Earth, solar activity and cosmic ray intensity. *Annales Geophysicae* 32, 1-11, DOI: 10.5194/angeo-32-1-2014 (2014).
- 193- Sanchi L, Ménot G, Bard E. Insights into continental temperatures in the northwestern Black Sea area during the last glacial period using branched tetraether lipids. *Quaternary Science Reviews* 84, 98-108, DOI: 10.1016/j.quascirev.2013.11.013, (2014).
- 192- Cauquoin A, Raisbeck GM, Jouzel J, Bard E, ASTER Team. No evidence for planetary influence on solar activity 330 ka ago. *Astronomy & Astrophysics* 561, A132, 1-5, DOI: 10.1051/0004-6361/201322879, (2014).

- 191- Cartapanis O, Tachikawa K, Romero OE, Bard E. Persistent millennial-scale link between Greenland climate and northern Pacific Oxygen Minimum Zone under interglacial conditions. *Climate of the Past* 10, 405-418, DOI: 10.5194/cp-10-405-2014, (2014).
- 190- Schouten S, Hopmans EC, Rosell-Melé A, Pearson A, Adam P, Bauersachs T, Bard E, Bernasconi SM, Bianchi TS, Brocks JJ, Truxal Carlson L, Castañeda IS, Derenne S, Doğrul Selver A, Dutta K, Eglington T, Fosse C, Galy V, Grice K, Hinrichs KU, Huang Y, Huguet A, Huguet C, Hurley S, Ingalls A, Jia G, Keely B, Knappy C, Kondo M, Krishnan S, Lincoln S, Lipp J, Mangelsdorf K, Martínez-García A, Ménot G, Mets A, Mollenhauer G, Ohkouchi N, Ossebaar J, Pagani M, Pancost RD, Pearson EJ, Peterse F, Reichart G-J, Schaeffer P, Schmitt G, Schwark L, Shah SR, Smith RW, Smittenberg RH, Summons RE, Takano Y, Talbot HM, Taylor KWR, Tarozzo R, Uchida M, van Dongen BE, Van Mooy BAS, Wang J, Warren C, Weijers JWH, Werne JP, Woltering M, Xie S, Yamamoto M, Yang H, Zhang CL, Zhang Y, Zhao M, Sinnighe Damsté JS. An interlaboratory study of TEX86 and BIT analysis of sediments, extracts and standard mixtures. *Geochemistry Geophysics Geosystems (G-cubed)* 14 (12), 5263-5285, DOI: 10.1002/2013GC004904, (2013).
- 189- Brisset E, Miramont C, Guiter F, Anthony EJ, Tachikawa K, Poulenard J, Arnaud F, Delhon C, Meunier J-D, Bard E, Suméra F. Non-reversible geosystem destabilisation at 4200 cal. BP: Sedimentological, geochemical and botanical markers of soil erosion recorded in a Mediterranean alpine lake. *The Holocene* 23, 1863-1874, DOI: 10.1177/0959683613508158, (2013).
- 188- Simonneau A, Chapron E, Courp T, Tachikawa K, Le Roux G, Baron S, Galop D, Garcia M, Di Giovanni C, Motellica-Heino M, Mazier F, Foucher A, Houet T, Desmet M, Bard E. Recent climatic and anthropogenic imprints on lacustrine systems in the Pyrenean Mountains inferred from minerogenic and organic clastic supply (Vicdessos valley, Pyrenees, France). *The Holocene* 23, 1764-1777, DOI: 10.1177/0959683613505340, (2013).
- 187- Bard E. Out of the African Humid Period. *Science* 342, 808-809, DOI : 10.1126/science.1246519, (2013).
- 186- Heaton TJ, Bard E, Hughen K. Transferring chronologies between record via a Gaussian process. *Radiocarbon* 55 (4): 1975-1997, DOI: 10.2458/azu_js_rc.55.17777, (2013).
- 185- Reimer PJ, Bard E, Bayliss A, Beck JW, Blackwell PG, Bronk Ramsey C, Buck CE, Cheng H, Edwards RL, Friedrich M, Grootes PM, Guilderson TP, Haflidason H, Hajdas I, Hatté C, Heaton TJ, Hoffmann DL, Hogg AG, Hughen KA, Kaiser KF, Kromer B, Manning SW, Niu M, Reimer RW, Richards DA, Scott EM, Southon JR, Staff RA, Turney CSM, van der Plicht J. Selection and treatment of data for radiocarbon calibration: An update to the international calibration (IntCal) criteria. *Radiocarbon* 55 (4): 1923-1945, DOI: 10.2458/azu_js_rc.55.16955, (2013).
- 184- Bard E, Ménot G, Rostek F, Licari L, Böning P, Edwards RL, Cheng H, Wang YJ, Heaton TJ. Radiocarbon calibration/comparison records based on marine sediments from the Pakistan and Iberian Margins. *Radiocarbon* 55(4): 1999-2019, DOI: 10.2458/azu_js_rc.55.17114, (2013).
- 183- Reimer PJ, Bard E, Bayliss A, Beck JW, Blackwell PG, Bronk Ramsey C, Buck CE, Cheng H, Edwards RL, Friedrich M, Grootes PM, Guilderson TP, Haflidason H, Hajdas I, Hatté C, Heaton TJ, Hoffmann DL, Hogg AG, Hughen KA, Kaiser KF, Kromer B, Manning SW, Niu M, Reimer RW, Richards DA, Scott EM, Southon JR, Staff RA, Turney CSM, van der Plicht J. IntCal13 and Marine13 radiocarbon age calibration curves 0-50,000 years Cal BP. *Radiocarbon* 55 (4): 1869-1887, DOI: 10.2458/azu_js_rc.55.16947, (2013).

- 182- Rostek F, Bard E. Hydrological changes in Eastern Europe during the last 40,000 years inferred from biomarkers in Black Sea sediments. *Quaternary Research* 80, 502-509 DOI: 10.1016/j.yqres.2013.07.003, (2013).
- 181- Sanchez-Goni MF, Bard E, Landais A, Rossignol L, d'Errico F. Air-sea temperature decoupling in western Europe during the last interglacial-glacial transition. *Nature Geoscience* 6, 837-841, + 8 p. suppl., DOI: 10.1038/NGEO1924, (2013).
- 180- Jenny JP, Arnaud F, Dorioz JM, Giguet Covex C, Frossard V, Sabatier P, Millet L, Reyss JL, Tachikawa K, Bard E, Pignol C, PSoufi F, Romeyer O, Perga ME. A spatiotemporal sediment investigation highlights the dynamics of hypolimnetic hypoxia in a large hard-water lake over the last 150 years. *Limnology & Oceanography* 58, 1395-1408, DOI: 10.4319/lo.2013.58.4.1395, (2013).
- 179- Durand N, Deschamps P, Bard E, Hamelin B, Camoin G, Thomas AL, Henderson GM, Yokoyama Y, Matsuzaki H. Comparison of ¹⁴C and U-Th in corals from IODP #310 cores offshore Tahiti. *Radiocarbon* 55 (4), 1947-1974, DOI: 10.2458/azu_js_rc.v55i2.16134, (2013).
- 178- Soulet G, Ménot G, Bayon G, Rostek F, Ponzevera, Toucanne S, Lericolais G, Bard E. Abrupt drainage cycles of the Fennoscandian Ice sheet. *Proceedings of the National Academy of Sciences* 110 (17), 6682-6687, + 4 p. suppl. & 4 Tables, DOI: 10.1073/pnas.1214676110, (2013). (E. Bard co-corresponding author).
- 177- Doyen E, Vannière B, Berger JF, Arnaud F, Tachikawa K, Bard E. Land-use changes and environmental dynamics in the upper Rhone valley since Neolithic times inferred from sediments in Lac Moras. *The Holocene* 23, 961-973, DOI: 10.1177/0959683612475142, (2013).
- 176- Michel M, Delanghe-Sabatier D, Bard E, Barroso-Ruiz C. U/Th, ESR and 14C studies of the fossil remains from the Mousterian levels of Zafarraya Cave (Spain): a revised chronology of Neandertal presence. *Quaternary Geochronology* 15, 20-33, DOI: 10.1016/j.quageo.2012.12.008, (2013).
- 175- Wilhelm B, Arnaud F, Sabatier P, Magand O, Chapron E, Courp T, Tachikawa K, Fanget B, Malet E., Pignol C, Bard E, Delannoy J-J. Paleoflood activity and climate change over the last 1400 years recorded by lake sediments in the North-West European Alps. *Journal of Quaternary Science* 28, 189-199, DOI: 10.1002/jqs.2609, (2013).
- 174- Simonneau A, Doyen E, Chapron E, Millet L, Vannière B, Di Giovanni C, Bossard N, Tachikawa K, Bard E, Albéric P, Desmet M, Roux G, Lajeunesse P, Berger J-F, Arnaud F. Holocene land-use evolution and associated soil erosion in the French Prealps inferred from Lake Paladru sediments and archaeological evidences. *Journal of Archaeological Science* 40, 1636-1645, DOI: 10.1016/j.jas.2012.12.002, (2013).
- 173- Sanchi L, Ménot G, Bard E. An automated purification method for archaeal and bacterial tetraethers in soils and sediments. *Organic Geochemistry* 54, 83-90, DOI: 10.1016/j.orggeochem.2012.10.005, (2013).
- 172- Cartapanis O, Tachikawa K, Bard E. Latitudinal variations in intermediate depth ventilation and biological production over northeastern Pacific Oxygen Minimum Zones during the last glacial period. *Quaternary Science Reviews* 53, 24-38, DOI: 10.1016/j.quascirev.2012.08.009, (2012).
- 171- Felis T, Merkel U, Asami R, Deschamps P, Hathorne EC, Kölling M, Bard E, Cabioch G, Durand N, Prangue M, Schulz M, Cahyarini SY, Pfeiffer M. Pronounced interannual variability in

tropical South Pacific temperatures during Heinrich stadial 1. *Nature Communications* 3: 965, 1-7, + 17 p. suppl., DOI: 10.1038/ncomms1973, (2012).

170- Ménot G, Bard E. A precise search for drastic temperature shifts of the past 40,000 years in southeastern Europe. *Paleoceanography* 27, PA2210, 1-13, DOI:10.1029/2012PA002291, (2012).

169- Camoin GF, Seard C, Deschamps P, Webster JM, Abbey E, Braga JC, Iryu Y, Durand N, Bard E, Hamelin B, Yokoyama Y, Thomas AL, Henderson GM, Dussouillez P. Reef response to sea-level and environmental changes during the last deglaciation: Integrated Ocean Drilling Program Expedition 310, Tahiti Sea Level. *Geology* 40, 643-646, DOI:10.1130/G32057.1, (2012).

168- Shakun JD, Clark PU, He F, Liu Z, Otto-Bliesner B, Marcott SA, Mix AC, Schmittner A, Bard E. Global warming preceded by increasing carbon dioxide concentrations during the last deglaciation. *Nature* 484, 49-54, + 52 p. suppl., DOI: 10.1038/nature10915, (2012).

167- Wilhelm B, Arnaud F, Sabatier P, Crouzet C, Brisset E, Chaumillon E, Disnar JR, Guiter F, Malet E, Reyss JL, Tachikawa K, Bard E, Delannoy J-J. 1400yr of extreme precipitation patterns over the Mediterranean French Alps and possible forcing mechanisms. *Quaternary Research* 78, 1-12, DOI: 10.1016/j.yqres.2012.03.003, (2012).

166- Deschamps P, Durand N, Bard E, Hamelin B, Camoin G, Thomas AL, Henderson GM, Okuno J, Yokoyama Y. Ice sheet collapse and sea-level rise at the Bølling warming 14,600 yr ago. *Nature* 483, 559-564, + 35 p. suppl., DOI: 10.1038/nature10902, (2012).

165- Thomas AL, Fujitab K, Iryu Y, Bard E, Cabioch G, Camoin G, Cole JE, Deschamps P, Durand N, Hamelin B, Heindel K, Henderson GM, Mason AJ, Matsuda H, Ménabréaz L, Omori A, Quinn T, Sakai S, Sato T, Sugihara K, Takahashi Y, Thouveny N, Tudhope AW, Webster J, Westphal H, Yokoyama Y. Assessing uplift rates and paleo water depths for Tahiti reefs using U-Th chronology of altered corals. *Marine Geology* 295-298, 86-94, DOI: 10.1016/j.margeo.2011.12.006, (2012).

164- Schmidt GA, Jungclaus JH, Ammann CM, Bard E, Braconnot P, Crowley TJ, Delaygue G, Joos F, Krivova NA, Muscheler R, Otto-Bliesner BL, Pongratz J, Shindell DT, Solanki SK, Steinhilber F, Vieira LEA. Climate forcing reconstructions for use in PMIP simulations of the Last Millennium (v1.1). *Geoscientific Model Development* 5, 185-191, DOI: 10.5194/gmd-5-185-2012, (2012).

163- Tachikawa K, Cartapanis O, Vidal L, Beaufort L, Bard E. The precession phase of hydrological variability in the Western Pacific Warm Pool during the past 400 ka. *Quaternary Science Reviews* 30, 3716-3727, DOI: 10.1016/j.quascirev.2011.09.016, (2011).

162- Baroni M, Bard E, Petit JR, Magand O, Bourlès D. Volcanic, solar activity, and atmospheric circulation influences on cosmogenic ^{10}Be fallout at Vostok and Concordia (Antarctica) over the last 60 years. *Geochimica et Cosmochimica Acta* 71, 7132-7145, DOI : doi:10.1016/j.gca.2011.09.002, (2011).

161- Cartapanis O, Tachikawa K, Bard E. North-Eastern Pacific oxygen minimum zone variability over the past 70 kyr: Impact of primary production and oceanic circulation. *Paleoceanography* 26, PA4208, 1-17, DOI:10.1029/2011PA002126, (2011).

160- Soulet G, Ménot G, Garreta V, Rostek F, Lericolais G, Zaragosi S, Bard E. Black Sea “Lake” reservoir age evolution since the Late Glacial hydrologic and climatic implications. *Earth and Planetary Science Letters* 308, 245-258, DOI: 10.1016/j.epsl.2011.06.002 (2011).

- 159- Schmidt GA, Jungclaus JH, Ammann CM, Bard E, Braconnot P, Crowley TJ, Delaygue G, Joos F, Krivova NA, Muscheler R, Otto-Bliesner BL, Pongratz J, Shindell DT, Solanki SK, Steinhilber F, Vieira LEA. Climate forcing reconstructions for use in PMIP simulations of the Last Millennium (v1.0). *Geoscientific Model Development* 4, 33-45, DOI: 10.5194/gmd-4-33-2011, (2011).
- 158- Soulet G, Ménot G, Lericolais G, Bard E. A revised calendar age for the last reconnection of the Black Sea to the global ocean. *Quaternary Science Reviews*, 30, 1019-1026, DOI: 10.1016/j.quascirev.2011.03.001, (2011).
- 157- Sepulcre S, Vidal L, Tachikawa K, Rostek F, Bard E. Sea-surface salinity variations in the Northern Caribbean Sea across the mid-Pleistocene transition. *Climate of the Past* 7, 75-90, DOI: 10.5194/cp-7-75-2011, (2011).
- 156- Seard C, Camoin G, Yokoyama Y, Matsuzaki H, Durand N, Bard E, Sepulcre S, Deschamps P. Microbialite development patterns in the last deglacial reefs from Tahiti (French Polynesia; IODP Expedition #310): implications on reef framework architecture. *Marine Geology* 279, 63-86 DOI: 10.1016/j.margeo.2010.10.013, (2011).
- 155- Stenni B, Buiron D, Frezzotti M, Albani S, Barbante C, Bard E, Barnola JM, Baroni M, Baumgartner M, Bonazza M, Capron E, Castellano E, Chappellaz J, Delmonte B, Falourd S, Genoni L, Iacumin P, Jouzel J, Kipfstuhl S, Landais A, Lemieux-Dudon B, Maggi V, Masson-Delmotte V, Mazzola C, Minster B, Montagnat M, Mulvaney R, Narcisi B, Oerter H, Parrenin F, Petit JR, Ritz C, Scarchilli C, Schilt A, Schüpbach S, Schwander J, Selmo E, Severi M, Stocker TF, Udisti U. Unified Antarctic and Greenland climate seesaw during the last deglaciation. *Nature Geoscience* 4, 46-49 + 32 p. suppl., DOI: 10.1038/NGEO1026, (2011).
- 154- Delaygue G, Bard E. An Antarctic view of beryllium-10 and solar activity for the past millennium. *Climate Dynamics* 36, 2201-2218, DOI:10.1007/s00382-010-0795-1, (2011).
- 153- Leduc G, Vidal L, Tachikawa K, Bard E. Evidences for Glacial North Pacific Intermediate Water formation during the last glacial period. *Earth and Planetary Science Letters* 298, 217-228, DOI:10.1016/j.epsl.2010.08.002, (2010).
- 152- Legras B, Mestre O, Bard E, Yiou P. A critical look at solar-climate relationships from long temperature series. *Climate of the Past* 6, 745-758, DOI:10.5194/cp-6-745-2010, (2010).
- 151- Soulet G, Delaygue G, Vallet-Coulomb C, Böttcher ME, Sonzogni C, Lericolais G, Bard E. Glacial hydrologic conditions of the Black Sea reconstructed by means of geochemical pore water profiles. *Earth and Planetary Science Letters* 296, 57-66, DOI: 10.1016/j.epsl.2010.04.045, (2010).
- 150- Yiou P, Bard E, Dandin P, Legras B, Naveau P, Rust HW, Terray L, Vrac M. Statistical issues about solar-climate relations. *Climate of the Past* 6, 565-573, DOI: 10.5194/cp-6-565-2010, (2010).
- 149- Rincon-Martinez D, Lamy F, Contreras S, Leduc G, Bard E, Saukel C, Blanz T, Mackensen A, Tiedemann R. Wetter interglacials in Ecuador during the past 500 kyr and its relation to latitudinal shifts of the Equatorial Front in the eastern tropical Pacific. *Paleoceanography* 25, PA2210, 1-15, DOI: 10.1029/2009PA001868, (2010).
- 148- Thevenon F, Williamson D, Bard E, Anselmetti FS, Beaufort L, Cachier H. Combining charcoal and elemental black carbon analysis in sedimentary archives: Implications for past fire regimes, the pyrogenic carbon cycle, and the human-climate interactions. *Global and Planetary Change* 72, 381-389, DOI: 10.1016/j.gloplacha.2010.01.014, (2010).

- 147- Bard E, Hamelin B, Delanghe-Sabatier D. Deglacial melt water pulse 1B and Younger Dryas sea-levels revisited with new onshore boreholes at Tahiti. *Science* 327, 1235-1237 + 15 p. suppl., DOI: 10.1126/science.1180557 (2010).
- 146- Ménot G, Bard E. Geochemical evidence for a large methane release during the last deglaciation from Marmara Sea sediments. *Geochimica et Cosmochimica Acta* 74, 1537-1550, DOI: 10.1016/j.gca.2009.11.022, (2010).
- 145- Siddall M, Abe-Ouchi A, Andersen M, Antonioli F, Bamber J, Bard E, Clark J, Clark P, Deschamps P, Dutton A, Elliot M, Gallup C, Gomez N, Gregory J, Huybers P, Kawamura K, Kelly M, Lambeck K, Lowell T, Mitrovica J, Otto-Bliesner B, Richards D, Stanford J, Stirling C, Stocker T, Thomas A, Thompson B, Törnqvist T, Vazquez Riveiros N, Waelbroeck C, Yokoyama Y. The sea-level conundrum: case studies from palaeo-archives. *Journal of Quaternary Science* 25, 19-25, DOI: 10.1002/jqs.1270, (2010).
- 144- Vidal L, Ménot G, Joly C, Bruneton H, Rostek F, Cagatay N, Major C, Bard E. Marmara Sea hydrology over the last 23000 years: implications for the connection with the Black Sea and the sapropel deposition. *Paleoceanography* 25, PA1205, 1-16, DOI: 10.1029/2009PA001735, (2010).
- 143- Reimer PJ, Baillie MGL, Bard E, Bayliss A, Beck JW, Blackwell PG, Bronk Ramsey C, Buck CE, Burr GS, Edwards RL, Friedrich M, Grootes PM, Guilderson TP, Hajdas I, Heaton TJ, Hogg AG, Hughen KA, Kaiser KF, Kromer B, McCormac FG, Manning SW, Reimer RW, Richards DA, Southon JR, Talamo S, Turney CSM, van der Plicht J, Weyhenmeyer CE. IntCal09 and Marine09 radiocarbon age calibration curves, 0–50,000 years cal BP. *Radiocarbon* 51 (4), 1111–1150, (2009).
- 142- Sepulcre S, Tachikawa K, Vidal L, Thouveny N, Bard E. Preservation state of metastable magnesian calcite in periplatform sediments from the Walton Basin over the last million years. *Geochemistry Geophysics Geosystems (G-cubed)* 10, 1-15, DOI: 10.1029/2009GC002779, (2009).
- 141- Asami R, Felis T, Deschamps P, Hanawa K, Iryu Y, Bard E, Durand N, Murayama M. Evidence for tropical/subtropical South Pacific climate changes during the Younger Dryas and the Bølling–Allerød from geochemical records of fossil Tahiti corals. *Earth and Planetary Science Letters* 288, 96-107, (2009).
- 140- Böning P, Bard E. Millennial/centennial-scale thermocline ventilation changes in the Indian Ocean as reflected by aragonite preservation and geochemical variations in Arabian Sea sediments. *Geochimica et Cosmochimica Acta* 73, 6771-6788, (2009).
- 139- Leduc G, Vidal L, Cartapanis O, Bard E. Modes of Eastern Equatorial Pacific thermocline variability: implications for ENSO dynamics over the last glacial period. *Paleoceanography* 24, PA3204, 1-14, DOI : 10.1029/2008PA001701, (2009).
- 138- Cagatay N, Eris K, Ryan WBF, Sancar U, Polonia A, Akçer S, Biltekin D, Gasperini L, Görür N, Lericolais G, Bard E. Late Pleistocene-Holocene evolution of the northern shelf of the Sea of Marmara. *Marine Geology* 265, 87-100, (2009).
- 137- Bard E, Rickaby R. Migration of the Subtropical Front as a modulator of glacial climate. *Nature* 406, 380-383 + 10 p. suppl., (2009).

- 136- Naughton F, Sanchez Goni M-F, Kageyama M, Bard E, Duprat J, Cortijo E, Malaizé B, Joly C, Rostek F, Turon J-L. Wet to dry climatic trend in northwestern Iberia within Heinrich events. *Earth and Planetary Science Letters* 284, 329-342, (2009).
- 135- Saher MH, Rostek F, Jung SJA, Bard E, Schneider RR, Greaves M, Ganssen GM, Elderfield H, Kroon D. Western Arabian Sea SST in the penultimate and last interglacial: a comparison of U/³⁷C and Mg/Ca palaeothermometry. *Paleoceanography* 24, PA2212, 1-12, DOI : 10.1029/2007PA001557, (2009).
- 134- Leduc G, Vidal L, Tachikawa K, Bard E. ITCZ rather than ENSO signature for abrupt climatic changes across the tropical Pacific? *Quaternary Research* 72, 123-131, (2009).
- 133- Tachikawa K, Vidal C, Sonzogni C, Bard E. Glacial/interglacial sea surface temperature changes in the Southwest Pacific Ocean over the past 360 Kyears. *Quaternary Science Reviews* 28, 1160-1170, (2009).
- 132- Thomas AL, Henderson GM, Deschamps P, Yokoyama Y, Mason AJ, Bard E, Hamelin B, Durand N, Camoin G. Sea-level timing across the penultimate deglaciation: U/Th dating of corals from Tahiti. *Science* 324, 1186-1189, + 11 p. suppl., (2009).
- 131- Dutton A, Bard E, Antonioli F, Esat TM, Lambeck K, McCulloch MT. Phasing and amplitude of sea level and climate change during the penultimate interglacial. *Nature Geoscience* 2, 355-359, + 18 p. suppl., DOI :10.1038/NGEO470, (2009).
- 130- Usoskin IG, Horiuchi K, Solanki S, Kovaltsov GA, Bard E. On the common solar signal in different cosmogenic isotope data sets. *Journal of Geophysical Research* 114, 1-14, DOI:10.1029/2008JA013888, (2009).
- 129- Kölling M, Webster JM, Camoin G, Iryu Y, Bard E, Seard C. SEALEX – Internal reef chronology and virtual drill logs from a spreadsheet-based reef growth model. *Global and Planetary Change* 66, 149-159, DOI: 10.1016/j.gloplacha.2008.07.011, (2009).
- 128- Schouten S, Hopmans H, van der Meer J, Mets A, Bard E, Bianchi T, Diefendorf A, Escala M, Freeman KH, Huguet C, Ingalls A, Ménot G, Nederbragt AJ, Oba M, Pearson A, Pearson E, Rosell-Melé A, Schaeffer P, Smittenberg R, Talbot HM, Uchida M, van Moy B, Yamamoto M, Zhang Z, Sinninghe Damsté JS. An interlaboratory study of TEX86 and BIT analysis using high performance liquid chromatography/mass spectrometry. *Geochemistry Geophysics Geosystems (G-cubed)* 10, 1-13, DOI:10.1029/2008GC002221, (2009).
- 127- Sepulcre S, Durand N, Bard E. Mineralogical determination of reef and periplatform carbonates: calibration and implications for paleoceanography and radiochronology. *Global and Planetary Change* 66, 1-9, DOI: 10.1016/j.gloplacha.2008.07.008, (2009).
- 126- Otto-Bliesner B, Schneider R, Brady EC, Kucera M, Abe-Ouchi A, Bard E, Braconnot P, Crucifix M, Hewitt C, Kageyama M, Martí O, Paul A, Rosell-Melé A, Waelbroeck C, Weber SL, Weinelt M, Yu Y. A comparison of PMIP2 model simulations and the MARGO proxy reconstruction for tropical sea surface temperatures at last glacial maximum. *Climate Dynamics* 32, 799-815, DOI : 10.1007/s00382-008-0509-0, (2009).
- 125- Waelbroeck C, Paul A, Kucera M, Rosell-Melé A, Weinelt M, Schneider R, Mix AC, Abelmann A, Armand L, Bard E, Barker S, Barrows TT, Benway H, Cacho I, Chen M-T, Cortijo E, Crosta X, de Vernal A, Dokken T, Duprat J, Elderfield H, Eynaud F, Gersonde R, Hayes A, Henry M, Hillaire-

Marcel C, Huang C-C, Jansen E, Juggins S, Kallel N, Kiefer T, Kienast M, Labeyrie L, Leclaire H, Londeix L, Mangin S, Matthiessen J, Marret F, Meland M, Morey AE, Mulitza S, Pflaumann U, Pisias NG, Radi T, Rochon A, Rohling EJ, Sbaaffi L, Schäfer-Neth C, Solignac S, Spero H, Tachikawa K, Turon JL. Constraints on the magnitude and patterns of ocean cooling at the Last Glacial Maximum. *Nature Geoscience* 2, 127-132, + 138 p. suppl., DOI: 10.1038/NGEO411, (2009).

124- Eris KK, Ryan WBF, Cagatay MN, Lericolais G, Sancar U, Menot G, Bard E. Reply to Comment on « the timing and evolution of the post-glacial transgression across the Sea of Marmara shelf, south of Istanbul » by Hiscott et al., *Marine Geology* 254, 230-236, (2008).

123- Tachikawa K, Sépulcre S, Toyofuku T, Bard E. Assessing influence of diagenetic carbonate dissolution on planktonic foraminiferal Mg/Ca in the South-eastern Arabian Sea over the past 450 k years: Comparison between *Globigerinoides ruber* and *Globigerinoides sacculifer*. *Geochemistry Geophysics Geosystems (G-cubed)* 9 (4), Q04037, 1-16, DOI :10.1029/2007GC001904, (2008).

122- Bard E, Delaygue G. Comment on « Are there connections between the Earth's magnetic field and climate? » by Courtillot et al. (2007), *Earth and Planetary Science Letters* 265, 302-307, (2008).

121- Blanchet CL, Thouveny N, Vidal L, Leduc G, Tachikawa K, Bard E, Beaufort L. Terrigenous input response to glacial/interglacial climatic over southern Baja California: a rock magnetic approach. *Quaternary Science Reviews* 26, 3118-3133, (2007).

120- Pichevin L, Bard E, Martinez P, Billy I. Evidence of ventilation changes in the Arabian Sea during the Late Quaternary: implication for denitrification and nitrous oxide emission. *Global and Biogeochemical Cycles* 21, GB4008, 1-12, DOI :10.1029/2006GB002852, (2007).

119- Buck C, Bard E. A calendar chronology for mammoth and horse extinction in North America based on Bayesian radiocarbon calibration. *Quaternary Science Reviews* 26, 2031-2035, (2007).

118- Bard E, Raisbeck G, Yiou F, Jouzel J. Comment on « Solar activity during the last 1000 yr inferred from radionuclide records » by Muscheler et al. (2007). *Quaternary Science Reviews* 26, 2301-2308, (2007).

117- Eris KK, Ryan WBF, Cagatay MN, Sancar U, Lericolais G, Menot G, Bard E, The timing and evolution of the post-glacial transgression across the Sea of Marmara shelf, south of Istanbul, *Marine Geology* 243, 57-76, (2007).

116- Böning P, Bard E, Rose E. Towards direct micron-scale XRF elemental maps and quantitative profiles of wet marine sediments. *Geochemistry Geophysics Geosystems (G-cubed)* 8 (5), 1-14, DOI : 10.1029/2006GC001480, (2007).

115- de Garidel-Thoron T, Rosenthal Y, Beaufort L, Bard E, Sonzogni C, Mix A, A multiproxy assessment of the equatorial Pacific hydrography during the last 30 ky. *Paleoceanography* 22, PA3204, 1-18, DOI :10.1029/2006PA001269, (2007).

114- Leduc G, Vidal L, Tachikawa K, Rostek F, Sonzogni C, Beaufort L, Bard E. Moisture transport across Central America as a positive feedback on abrupt climatic changes. *Nature* 445, 908-911 + 25 p. suppl. (2007). (E. Bard co-corresponding author).

113- Rickaby REM, Bard E, Sonzogni C, Rostek F, Beaufort L, Barker S, Rees G, Schrag D. Coccolith chemistry reveals secular variations in the global ocean carbon cycle ? *Earth and Planetary Science Letters* 253, 83-95, (2007).

- 112- Stanford JD, Rohling EJ, Hunter, S, Roberts AP, Rasmussen SO, Bard E, McManus J, Fairbanks RG. Meltwater injections and deep circulation in the North Atlantic. *Paleoceanography* 21, PA4103, 1-9, DOI:10.1029/2006PA001340, (2006).
- 111- Ménot G, Bard E, Rostek F, Weijers JWH, Hopmans EC, Schouten S, Sinninghe Damsté JS. Early reactivation of European rivers during the last deglaciation. *Science* 313, 1623-1625 + 6 p. suppl. (2006). (E. Bard co-corresponding author).
- 110- Siddall M, Bard E, Rohling EJ, Hemleben C. Sea-level reversal during Termination II. *Geology* 34, 817-820 (2006).
- 109- Bard E, Frank M. Climate change and solar variability: what's new under the Sun. *Earth and Planetary Science Letters* 248, 1-14, (2006).
- 108- Reimer PJ, Baillie MGL, Bard E, Beck JW, Blackwell PG, Buck CE, Burr GS, Edwards RL, Friedrich M, Guilderson TP, Hogg AG, Hughen KA, Kromer B, McCormac G, Manning S, Reimer RW, Southon JR, Stuiver M, van der Plicht J, Weyhenmeyer CE. Comment on “Radiocarbon Calibration Curve Spanning 0 to 50,000 Years B.P. Based on Paired $^{230}\text{Th}/^{234}\text{U}/^{238}\text{U}$ and ^{14}C Dates on Pristine Corals” by R.G. Fairbanks et al. and “Extending The Radiocarbon Calibration Beyond 26,000 Years Before Present Using Fossil Corals” by T.-C. Chiu et al. *Quaternary Science Reviews* 25, 855-862, (2006).
- 107- Bard E, Rostek F, Ménot-Combes G. Chronologie des variations climatiques rapides pendant la dernière période glaciaire. *Comptes Rendus de l'Académie des Sciences (C.R. Palevol)* 5, 13-19, (2006).
- 106- Siddall M, Stocker TF, Blunier T, Spahni R, McManus J, Bard E. Using a maximum simplicity paleoclimate model to simulate millennial variability during the last four glacial periods. *Quaternary Science Reviews* 25, 3185-3197, (2006).
- 105- Silenzi S, Bard E, Montagna P, Antonioli F. Isotopic and elemental records in a non-tropical coral (*Cladocora caespitosa*): Discovery of a new high-resolution climate archive for the Mediterranean Sea. *Global and Planetary Change* 49, 94-120, (2005).
- 104- Bard E, Ménot-Combes G, Rostek F. Present status of radiocarbon calibration and comparison records based on polynesian corals and Iberian Margin sediments. *Radiocarbon* 46, 1189-1203, (2004).
- 103- van der Plicht J, Beck JW, Bard E, Baillie MGL, Blackwell PG, Buck CE, Friedrich M, Guilderson TP, Hughen KA, Kromer B, McCormac FG, Bronk Ramsey C, Reimer PJ, Reimer RW, Remmele S, Richards DA, Southon JR, Stuiver M, Weyhenmeyer CE. NOTCAL04 comparison-calibration ^{14}C records 26–50 cal kyr BP. *Radiocarbon* 46, 1225-1238, (2004).
- 102- Hughen KA, Baillie MGL, Bard E, Beck JW, Bertrand C, Blackwell PG, Buck CE, Burr G, Cutler KB, Damon PE, Edwards RL, Fairbanks RG, Friedrich M, Guilderson TP, Kromer B, McCormac G, Manning S, Bronk Ramsey C, Reimer PJ, Reimer RW, Remmele S, Southon JR, Stuiver M, Talamo S, Taylor FW, van der Plicht J, Weyhenmeyer CE. MARINE04 marine radiocarbon age calibration 26-0 ka BP. *Radiocarbon* 46, 1059-1086, (2004).
- 101- Reimer PJ, Baillie MGL, Bard E, Bayliss A, Beck JW, Bertrand C, Blackwell PG, Buck CE, Burr GS, Cutler KB, Damon PE, Edwards RL, Fairbanks RG, Friedrich M, Guilderson TP, Hog AG,

- Hughen KA, Kromer B, McCormac G, Manning S, Bronk Ramsey C, Reimer RW, Remmele S, Southon JR, Stuiver M, Talamo S, Taylor FW, van der Plicht J, Weyhenmeyer CE. INTCAL04 terrestrial radiocarbon age calibration. *Radiocarbon* 46, 1029-1058, (2004).
- 100- Bard E, Greenhouse effect and ice ages: historical perspective. *Comptes Rendus de l'Académie des Sciences (C.R. Geosciences)* 336, 603-638, (2004).
- 99- Thévenon F, Bard E, Williamson D, Beaufort L. Biomass burning records from the West Equatorial Pacific over the last 360 kyr: Methodological, climatic and anthropic implications. *Palaeogeography, Palaeoclimatology and Palaeoecology* 213, 83-99, (2004).
- 98- Paterne M, Ayliffe LK, Arnold M, Cabioch G, Tisnérat-Labordé N, Hatté C, Douville E, Bard E. Paired ^{14}C and $^{230}\text{Th}/\text{U}$ datings on surface corals from Marquesas and Vanuatu (sub-equatorial Pacific) in the 3000 to 15,000 cal yr range. *Radiocarbon* 46, 551-566, (2004).
- 97- Antonioli F, Bard E, Silenzi S, Potter E-K, Improtta S. 215-kyr sea-level oscillations from marine and continental layers in Argentarola cave speleothems (Italy). *Global and Planetary Changes* 43, 57-78, (2004).
- 96- Rosenthal Y, Perron-Cashman S, Lear CH, Bard E, Barker S, Billups K, Bryan M, Delaney ML, deMenocal PB, Dwyer GS, Elderfield H, German CR, Greaves M, Lea DW, Marchitto Jr. TM, Pak DK, Ravelo AC, Paradis GL, Russell AD, Schneider R, Scheindrich K, Stott L, Tachikawa K, Tappa E, Thunell R, Wara M, Weldeab S, Wilson P. Inter-laboratory comparison study of Mg/Ca and Sr/Ca measurements in planktonic foraminifera for paleoceanographic research. *Geochemistry Geophysics Geosystems (G-cubed)* 5 (4), 1-29, DOI:10.1029/2003GC000650, (2004).
- 95- Bard E, Rostek F, Ménot-Combes G. Radiocarbon calibration beyond 20,000 B.P. by means of planktonic foraminifera of the Iberian Margin. *Quaternary Research* 61 (2), 204-214, (2004).
- 94- Rosell-Melé A, Bard E, Emeis KC, Grieger B, Hewitt C, Müller PJ, Schneider RR. Sea surface temperature glacial anomalies in the global ocean estimated from the alkenone UK37' index: comparison with GCMs. *Geophysical Research Letters* 31, L03208, 1-4, (2004).
- 93- Bard E, Rostek F, Ménot-Combes G. A better radiocarbon clock. *Science* 303, 178-179, (2004).
- 92- Bard E, Kromer B. Absolute and radiocarbon chronologies of the Younger Dryas cold period. In Widemann F, Taborin Y eds. *Geophysical and archaeological chronologies for the Upper Palaeolithic*, Bari Edipuglia, 375-379, (2003).
- 91- Schulte S, Bard E. Past changes of biologically mediated dissolution of calcite above the chemical lysocline documented in Indian Ocean sediments. *Quaternary Science Reviews* 22, 1757-1770, (2003).
- 90- Reimer PJ, Hughen KA, Guilderson TP, McCormac Baillie MGL, Bard E, Barratt P, Beck JW, Buck CE, Damon PE, Friedrich M, Kromer B, Bronk-Ramsey C, Reimer RW, Remmele S, Southon JR, Stuiver M, van der Plicht J. Preliminary report of the first workshop of the INTCAL04 radiocarbon calibration/comparison working group. *Radiocarbon* 44, 653-661, (2002).
- 89- Bard E. Climate shock: Abrupt changes over millennial time scales. *Physics Today* 55 (12), 32-38, (2002).

- 88- Delanghe D, Bard E, Hamelin B. New TIMS constraints on the uranium-238 and uranium-234 in seawaters from the main ocean basins and the Mediterranean Sea. *Marine Chemistry* 80, 79-93, (2002).
- 87- Bard E, Delaygue G, Rostek F, Antonioli F, Silenzi S, Schrag DP. Hydrological conditions over the western Mediterranean basin during the deposition of the cold sapropel 6 event. *Earth and Planetary Science Letters* 202, 481-494 (2002).
- 86- Pailler D, Bard E. High frequency paleoceanographic changes during the past 140,000 years recorded by the organic matter in sediments off the Iberian Margin. *Palaeogeography, Palaeoclimatology and Palaeoecology* 181, 431-452, (2002).
- 85- Sicre M-A, Bard E, Ezat U, Rostek F. Alkenones distributions in the North Atlantic and Nordic sea surface waters. *Geochemistry, Geophysics and Geosystems (G-cubed)* 3 (2), 2001GC000159, 1-13, DOI: 10.1029/2001GC000159 (2002).
- 84- Bard E, Antonioli F, Silenzi S. Sea-level during the penultimate interglacial period based on a submerged stalagmite from Argentarola Cave (Italy). *Earth and Planetary Science Letters* 196, 135-146, (2002).
- 83- Pailler D, Bard E, Rostek F, Zheng Y, Mortlock R, Van Geen A. Burial of redox-sensitive metals and organic matter in the equatorial Indian Ocean linked to precession. *Geochimica et Cosmochimica Acta* 66, 849-865, (2002).
- 82- Camoin G, Ebren P, Eisenhauer A, Bard E, Faure G. A 300,000 years coral reef record of sea level changes, Mururoa Atoll (French Polynesia). *Palaeogeography, Palaeoclimatology and Palaeoecology* 175, 325-341, (2001).
- 81- Rosell-Melé A, Bard E, Emeis K-C, Grimalt JO, Müller P, Schneider RR, Blanz T, Bouloubassi I, Epstein B, Fahl K, Fluegge A, Freeman K, Goni M, Güntner U, Hartz D, Hellebust S, Herbert T, Ikehara M, Ishiwatari R, Kawamura K, Kenig F, de Leeuw J, Lehman S, Mejanelle L, Ohkouchi N, Pancost RD, Pelejero C, Prahl F, Quinn J, Rontani J-F, Rostek F, Rullkötter J, Sachs J, Sawada K, Schulz-Bull D, Sikes E, Sonzogni C, Ternois Y, Versteegh G, Volkman J and Wakeham S. Precision of the current methods to measure the alkenone proxy UK37' and absolute abundance in sediments: results of an interlaboratory comparison study. *Geochemistry, Geophysics and Geosystems (G-cubed)* 2, 2000GC000141, 1-28, (2001).
- 80- Bard E. Extending the calibrated radiocarbon record. *Science* 292, 2443-2444, (2001).
- 79- Clark PU, Mix A, Bard E. Ice sheets and sea-level of the Last Glacial Maximum. *Eos Trans. of AGU* 82 (22), 241-246-247, (2001).
- 78- Bard E. Paleoceanographic implications of the difference in deep-sea sediment mixing between large and fine particles. *Paleoceanography* 16, 235-239, (2001).
- 77- Cardinal D, Hamelin B, Bard E, Pätzold J. Sr/Ca, U/Ca and $\delta^{18}\text{O}$ records in massive corals from Bermuda: Relationships with sea surface temperatures. *Chemical Geology* 176, 215-235, (2001).
- 76- Delaygue G, Bard E, Rollion C, Jouzel J, Stiévenard M, Duplessy J-C, Ganssen G. Oxygen isotope/salinity relationship in the northern Indian Ocean. *Journal of Geophysical Research* 106 (C3), 4565-4574, (2001).

- 75- Bard E. Comparison of alkenone estimates with other temperature proxies. *Geochemistry, Geophysics and Geosystems (G-cubed)* 2, 2000GC000050, 1-12, (2001).
- 74- Mix AC, Bard E, Schneider RR. Environmental Processes of the Ice age: Land, Oceans, Glaciers (EPILOG). *Quaternary Science Reviews* 20, 627-657, (2001).
- 73- Siani G, Paterne M, Arnold M, Bard E, Métivier B, Tisnerat N, Bassinot F. Radiocarbon reservoir ages in the Mediterranean Sea and Black Sea. *Radiocarbon* 42, 271-280, (2000).
- 72- Mix AC, Bard E, Eglinton G, Keigwin LD, Ravelo AC, Rosenthal Y. Alkenones and multi-proxy strategies in paleoceanographic studies. *Geochemistry, Geophysics and Geosystems (G-cubed)* 1, 2000GC000056, 1-22, (2000).
- 71- Bard E, Rostek F, Turon J-L, Gendreau S. Hydrological impact of Heinrich events in the subtropical northeast Atlantic. *Science* 289, 1321-1324 + 2 p. suppl. (2000).
- 70- Delaygue G, Jouzel J, Masson V, Koster R, Bard E. Validity of the isotopic thermometer in central Antarctica: limited impact of glacial precipitation seasonality and moisture origin. *Geophysical Research Letters* 27 (17), 2677-2680, (2000).
- 69- Bard E, Raisbeck G, Yiou F, Jouzel J Solar irradiance during the last 1200 yr based on cosmogenic nuclides. *Tellus B* 52, 985-992, (2000).
- 68- Budziak D, Schneider R, Rostek F, Müller PJ, Bard E, Wefer G. Late Quaternary insolation forcing on total organic carbon and C37 alkenone variations in the Arabian Sea. *Paleoceanography* 15, 307-321, (2000).
- 67- Lambeck K, Bard E. Sea-level change along the French Mediterranean coast since the time of the Last Glacial Maximum. *Earth and Planetary Science Letters* 175, 202-222 (2000).
- 66- Cayre O, Bard E. The last deglaciation in the Eastern Arabian Sea: Planktonic foraminiferal and alkenone records. *Quaternary Research* 52, 337-342, (1999).
- 65- Schulte S, Rostek F, Bard E, Rullkötter J, Marchal O. Variations of oxygen-minimum and primary productivity recorded in sediments of the Arabian Sea. *Earth and Planetary Science Letters* 173, 205-221, (1999).
- 64- Bard E. Ice age temperatures and geochemistry. *Science* 284, 1133-1134, (1999).
- 63- Rosell-Melé A, Bard E, Emeis KC, Farrimond P, Grimalt J, Müller PJ, Schneider RR. Project takes a new look at past sea surface temperatures. *Eos Trans. of AGU* 79 (33) 393-394, (1998).
- 62- Duplessy J-C, Arnold M, Bard E, Cortijo E, Labeyrie L, Laj C, Lehman B, Mazaud A, Paterne M, Tisnerat N, Vidal L. Le carbone 14: progrès récents et limitations de la méthode de datation. In Causse C, Gasse F eds. *Hydrogéologie et Géochimie Isotopique*. Paris ORSTOM, 229-250, (1998).
- 61- Montaggioni L, Bard E. Continuous record of reef growth over the past 14 ky on the mid-Pacific island of Tahiti. Comment and Reply. *Geology* 26, 479-480, (1998).
- 60- Stuiver M, Reimer PJ, Bard E, Beck JW, Burr GS, Hughen KA, Kromer B, McCormac G, van der Plicht J, Spurk M. INTCAL98 radiocarbon age calibration, 24,000-0 cal BP. *Radiocarbon* 40, 1041-1083, (1998).

- 59- Bard E. Geochemical and geophysical implications of the radiocarbon calibration. *Geochimica et Cosmochimica Acta* 62, 2025-2038, (1998).
- 58- Bard E, Arnold M, Hamelin B, Tisnerat-Laborde N, Cabioch G. Radiocarbon calibration by means of mass spectrometric $^{230}\text{Th}/^{234}\text{U}$ and ^{14}C ages of corals. An updated data base including samples from Barbados, Mururoa and Tahiti. *Radiocarbon* 40, 1085-1092, (1998).
- 57- Sonzogni C, Bard E, Rostek F. Tropical sea surface temperature during the last glacial period: a view based on alkenones in Indian Ocean. *Quaternary Science Reviews* 17, 1185-1201, (1998).
- 56- Rostek F, Bard E, Beaufort L, Sonzogni C, Ganssen G. Sea surface temperature and productivity records for the past 240 kyr in the Arabian Sea. *Deep Sea Research II* 44, 1461-1480, (1997).
- 55- Bard E, Raisbeck G, Yiou F, Jouzel J Solar modulation of cosmogenic nuclide production over the last millennium: comparison between ^{14}C and ^{10}Be records. *Earth and Planetary Science Letters* 150, 453-462, (1997).
- 54- Bard E. Nuclide production by cosmic rays during the Last Ice Age. *Science* 277, 532-533, (1997)
- 53- Sonzogni C, Bard E, Rostek F, Dollfus D, Rosell-Melé A, Eglinton G. Temperature and salinity effects on alkenones ratios measured in sediments from the Indian Ocean. *Quaternary Research* 47, 344-355, (1997).
- 52- Montaggioni L, Cabioch G, Camoin G, Bard E, Ribaud-Laurenti A, Faure G, Déjardin P, Récy J. Continuous record of reef growth over the past 14 ky on the mid-Pacific island of Tahiti. *Geology* 25, 555-558, (1997).
- 51- Sonzogni C, Bard E, Rostek F, Lafont R, Rosell-Melé A, Eglinton G. Core-top calibration of the alkenone index versus sea surface temperature in the Indian Ocean. *Deep Sea Research II* 44, 1445-1460, (1997).
- 50- Bard E, Rostek F, Sonzogni C. Interhemispheric synchrony of the last deglaciation inferred from alkenone palaeothermometry. *Nature* 385, 707-710, (1997).
- 49- Bard E, Jouannic C, Hamelin B, Pirazzoli P, Arnold M, Faure G, Sumosusastro PA, Syaefudin. Pleistocene sea levels and tectonic uplift based on radiometric dating of coral terraces at Sumba Island, Indonesia. *Geophysical Research Letters* 23, 12, 1473-1476, (1996).
- 48- Bard E, Hamelin B, Arnold M, Montaggioni L, Cabioch G, Faure G, Rougerie F. Sea level record from Tahiti corals and the timing of deglacial meltwater discharge. *Nature* 382, 241-244, + 2 p. suppl. (1996).
- 47- Grönlund K, Oskarsson N, Johnsen SJ, Clausen HB, Hammer CU, Bond G, Bard E. Ash layers from Iceland in the Greenland GRIP ice core correlated with oceanic and land sediments. *Earth and Planetary Science Letters* 135, 149-155, (1995).
- 46- Bard E, Kromer B. The Younger Dryas: absolute and radiocarbon chronologies. *Proceedings of the Royal Dutch Academy of Science* 44, 161-167, (1995).

- 45- Goslar T, Arnold M, Bard E, Kuc T, Pazdur MF, Ralska-Jasiewiczowa M, Rozanski K, Tisnerat N, Walanus A, Wicik B, Wieckowski K. High concentration of atmospheric ^{14}C during the Younger Dryas cold episode. *Nature* 377, 414-417, (1995)
- 44- Austin WEN, Bard E, Hunt JB, Kroon D, Peacock JD. The ^{14}C age of the Icelandic Vedde Ash: implications for Younger Dryas marine reservoir age corrections. *Radiocarbon* 37, 53-62, (1995).
- 43- Rostek F, Ruhland G, Bassinot F, Beaufort L, Müller PJ, Bard E. Fluctuations of the Indian monsoon regime during the last 170,000 years: evidence from sea surface temperature, salinity and organic carbon records. In Global Precipitations and Climate Change. M. Desbois & F. Désalmand (eds). NATO ASI Serie I, 26, 27-51, (1994).
- 42- Bard E, Cornu S, Pätzold J. Paleotemperature of the last interglacial based on $\delta^{18}\text{O}$ of mollusks. In Duplessy JC & Spyridakis M (eds): Long Term Climatic Variations - Data and Modeling. Springer-Verlag. NATO ASI Serie I, vol 22, 259-266, (1994).
- 41- Bard E, Arnold M, Mangerud M, Paterne M, Labeyrie L, Duprat J, Mélières MA, Sonstegaard E, Duplessy JC. The North Atlantic atmosphere-sea surface ^{14}C gradient during the Younger Dryas climatic event. *Earth and Planetary Science Letters* 126, 275-287, (1994).
- 40- Duplessy JC, Bard E, Labeyrie L, Duprat J, Moyes J. Oxygen isotope records and salinity changes in the Northeastern Atlantic during the last 18000 yrs. *Paleoceanography* 8, 341-350, (1993).
- 39- Bard E, Arnold M, Fairbanks RG, Hamelin B. $^{230}\text{Th}/^{234}\text{U}$ and ^{14}C ages obtained by mass spectrometry on corals. *Radiocarbon* 35, 191-199, (1993).
- 38- Cornu S, Pätzold J, Bard E, Meco J, Cuerda-Barcelo J. Paleotemperature of the last interglacial period based on $\delta^{18}\text{O}$ of *Strombus bubonius* from the western Mediterranean Sea. *Palaeogeography, Palaeoclimatology and Palaeoecology* 103, 1-20, (1993).
- 37- Rostek F, Ruhland G, Bassinot F, Müller PJ, Labeyrie L, Lancelot Y, Bard E. Reconstructing sea surface temperature and salinity using $\delta^{18}\text{O}$ and alkenone records. *Nature* 364, 319-321, (1993).
- 36- Bradley R, Bard E, Farqhar G, Joussaume S, Lautenschlager M, Molino B, Raschke E, Shackleton N, Sirocko F, Stauffer B, White J. Evaluating strategies for reconstructing past global changes - what and where are the gaps. In Eddy JA, Oeschger H eds: Global Changes in the Perspective of the Past, J. Wiley Ltd, 103-120, (1993).
- 35- Goslar T, Kuc T, Ralska-Jasiewiczowa M, Rozanski K, Arnold M, Bard E, van Geel B, Pazdur M, Szeroczynska K, Wicik B, Wieckowski K, Walanus A. High-resolution lacustrine record of the Late glacial/Holocene transition in central Europe. *Quaternary Science Reviews* 12, 287-294, (1993).
- 34- Bard E, Stuiver M, Shackleton NJ. How accurate are our chronologies of the past ? In Eddy JA, Oeschger H eds: Global Changes in the Perspective of the Past, J. Wiley Ltd, 103-120, (1993).
- 33- Duplessy JC, Arnold M, Bard E, Labeyrie L, Duprat J, Moyes J. Glacial to interglacial changes in ocean circulation. In Taylor RE, Long A, Kra RS eds : Radiocarbon After Four Decades - An Interdisciplinary Perspective, Springer-Verlag, New-York, 62-74, (1992).

- 32- Goslar T, Kuc T, Pazdur M, Ralska-Jasiewiczowa M, Rozanski K, Szeroczynska K, Walanus A, Wicik B, Wieckowski K, Arnold M, Bard E. Possibilities of reconstruction of radiocarbon level changes during the Late Glacial by laminated sequence of the Gosciaz Lake. *Radiocarbon* 34, 826-832, (1992).
- 31- Bard E, Fairbanks RG, Hamelin B. How accurate are the U-Th ages obtained by mass spectrometry on coral terraces. In Kukla G & Went E eds: Start of a Glacial, NATO ASI serie I, vol. 3., Springer-Verlag, 15-21, (1992).
- 30- Bard E, Fairbanks RG, Arnold M, Hamelin B. $^{230}\text{Th}/^{234}\text{U}$ and ^{14}C ages obtained by mass spectrometry on corals from Barbados (West Indies), Isabela (Galapagos) and Mururoa (French Polynesia). In Bard E, Broecker WS eds: The Last Deglaciation: Absolute and Radiocarbon Chronologies, *NATO ASI series*, serie I, vol 2. Springer Verlag, 103-112, (1992).
- 29- Mazaud A, Laj C, Bard E, Arnold M, Tric E. A geomagnetic calibration of the radiocarbon time-scale. In Bard E & Broecker WS eds: The Last Deglaciation: Absolute and Radiocarbon Chronologies, *NATO ASI series*, serie I, vol 2. Springer Verlag, 163-169, (1992).
- 28- Raisbeck GM, Yiou F, Jouzel J, Petit JR, Barkov NI, Bard E. ^{10}Be deposition at Vostok, Antarctica, during the last 50,000 years and its relationship to possible cosmogenic production variations during this period. In Bard E & Broecker WS eds: The Last Deglaciation: Absolute and Radiocarbon Chronologies, *NATO ASI series*, I vol 2. Springer Verlag, 127-140, (1992).
- 27- Bard E, Fairbanks RG, Hamelin B, Zindler A, Hoang CT. Uranium-234 anomalies in corals older than 150,000 yr. *Geochimica et Cosmochimica Acta* 55, 2385-2390, (1991).
- 26- Mazaud A, Laj C, Bard E, Arnold M, Tric E. Geomagnetic field control of ^{14}C production over the last 80 ky: Implications for the radiocarbon time-scale. *Geophysical Research Letters* 18, 1885-1888, (1991).
- 25- Hamelin B, Bard E, Zindler A, Fairbanks RG. $^{234}\text{U}/^{238}\text{U}$ mass spectrometry of corals: How accurate is the U-Th age of the last interglacial period. *Earth and Planetary Science Letters* 106, 169-180, (1991).
- 24- Duplessy JC, Bard E, Arnold M, Shackleton NJ, Duprat J, Labeyrie LD. How fast did the ocean-atmosphere system run during the last deglaciation. *Earth and Planetary Science Letters* 103, 27-40, (1991).
- 23- Bard E, Arnold M, Duplessy JC. Reconciling the sea level record of the last deglaciation with the $\delta^{18}\text{O}$ spectra from deep sea cores. *Quaternary Proceedings* 1, 67-73, (1991).
- 22- Bard E, Hamelin B, Fairbanks RG. U/Th ages obtained by mass spectrometry in corals from Barbados: sea level during the past 130,000 years. *Nature* 346, 456-458, (1990).
- 21- Bard E, Hamelin B, Fairbanks RG, Zindler A, Arnold M., Mathieu G. U/Th and ^{14}C ages of corals from Barbados and their use for calibrating the ^{14}C timescale beyond 9000 years BP. *Nuclear Instruments and Methods in Physics Research B* 52, 461-468, (1990).
- 20- Bard E, Hamelin B, Fairbanks RG, Zindler A. Calibration of the ^{14}C timescale over the past 30,000 years using mass spectrometric U-Th ages from Barbados corals. *Nature* 345, 405-410, (1990).

- 19- Bard E, Labeyrie L, Pichon JJ, Labracherie M, Arnold M, Duprat J, Moyes J, Duplessy JC. The last deglaciation in the Southern and Northern Hemispheres: a comparison based on $\delta^{18}\text{O}$, sea surface temperature estimates and accelerator ^{14}C dating from deep sea sediments. In Bleil U, Thiede J, eds: Geological History of the Polar Oceans, NATO ASI series, serie C. Kluwer Academic, Dordrecht, 405-415, (1990).
- 18- Bard E, Fairbanks R, Arnold M, Duprat J, Moyes J, Duplessy JC. Sea-level estimates during the last deglaciation based on $\delta^{18}\text{O}$ and accelerator mass spectrometry ^{14}C -ages measured in *Globigerina bulloides*. *Quaternary Research* 31, 381-391, (1989).
- 17- Arnold M, Bard E, Maurice P, Valladas H, Duplessy JC. ^{14}C dating with the Gif-sur-Yvette Tandetron accelerator: status report and study of isotopic fractionation in the sputter ion source. *Radiocarbon* 31, 284-290, (1989).
- 16- Bard E, Arnold M, Toggweiler R, Maurice P, Duplessy JC. Bomb C-14 in the Indian Ocean measured by accelerator mass spectrometry. Oceanographic implications. *Radiocarbon* 31, 510-522, (1989).
- 15- Labracherie M, Labeyrie L, Duprat J, Bard E, Arnold M, Pichon JJ, Duplessy JC. The last deglaciation in the Southern Ocean. *Paleoceanography* 4, 629-638, (1989).
- 14- Bard E, Labeyrie L, Arnold M, Labracherie M, Pichon JJ, Duprat J, Duplessy JC. AMS- ^{14}C ages measured in deep sea cores from the Southern Ocean: implications for sedimentation rates during isotope stage 2. *Quaternary Research* 31, 309-317, (1989).
- 13- Mazaud A, Laj C, Bard E. A phenomenological model for reversals of the geomagnetic field. In Lowes FJ et al. eds: Geomagnetism and Paleomagnetism, NATO ASI series, Kluwer Academic, Dordrecht, 205-214, (1989).
- 12- Duplessy JC, Arnold M, Bard E, Juillet-Leclerc A, Kallel N, Labeyrie L. AMS ^{14}C study of transient events and of the ventilation rate of the Pacific intermediate water during the last deglaciation. *Radiocarbon* 31, 493-502, (1989).
- 11- Bard E. Correction of accelerator mass spectrometry ^{14}C ages measured in planktonic foraminifera: Paleoceanographic implications. *Paleoceanography* 3, 635-645, (1988).
- 10- Duplessy JC, Bard E, Arnold M, Maurice P. Determination of carbon-14 by accelerator mass spectrometry: oceanographic implications. In Guay JC, Guegueniat P, Pentreath RJ eds: Radionuclides: A Tool for Oceanography, Elsevier Sci. Pub. 64-73, (1988).
- 9- Bard E, Arnold M, Östlund HG, Maurice P, Monfray P, Duplessy JC. Penetration of bomb radiocarbon in the tropical Indian ocean by means of accelerator mass spectrometry. *Earth and Planetary Science Letters* 87, 379-389, (1988).
- 8- Bard E, Arnold M, Maurice P, Duprat J, Moyes J, Duplessy JC. Retreat velocity of the North-Atlantic polar front during the last deglaciation determined by ^{14}C accelerator mass spectrometry. *Nature* 328, 791-794, (1987).
- 7- Arnold M, Bard E, Maurice P, Duplessy JC. C-14 dating with the Gif sur Yvette Tandetron accelerator: status report. *Nuclear Instruments and Methods in Physics Research B* 29, 120-123, (1987).

- 6- Bard E, Arnold M, Duprat J, Moyes J, Duplessy JC. Reconstruction of the last deglaciation: deconvolved records of $\delta^{18}\text{O}$ profiles, micropaleontological variations and accelerator mass spectrometric ^{14}C dating. *Climate Dynamics* 1, 101-112, (1987).
- 5- Duplessy JC, Bard E, Arnold M, Maurice P. A.M.S. ^{14}C -chronology of the deglacial warming of the north Atlantic Ocean. *Nuclear Instruments and Methods in Physics Research B* 29, 223-227, (1987).
- 4- Bard E, Arnold M, Maurice P, Duplessy JC. Bomb radiocarbon in the ocean by means of accelerator mass spectrometry: technical aspect. *Nuclear Instruments and Methods in Physics Research B* 29, 297-301, (1987).
- 3- Lapicque G, Livingston HD, Lambert CE, Bard E, Labeyrie LD. Interpretation of $^{239,240}\text{Pu}$ in Atlantic sediments with a non-steady state input model. *Deep Sea Research* 34, 1841-1850, (1987).
- 2- Bard E, Arnold M, Duprat J, Moyes J, Duplessy JC. Bioturbation effects on abrupt climatic changes recorded in deep sea sediments. Correlation between $\delta^{18}\text{O}$ profiles and accelerator ^{14}C dating. In Berger WH, Labeyrie LD eds: *Abrupt Climatic Change. Evidence and Implications*, NATO ASI series, Reidel Publishing Co. 263-278, (1987).
- 1- Duplessy JC, Arnold M, Maurice P, Bard E, Duprat J, Moyes J. Direct dating of the oxygen-isotope record of the last deglaciation by ^{14}C accelerator mass spectrometry. *Nature* 320 (6060), 350-352, (1986).

Livres:

- _ Bard E (sous la direction de). L'Océan, le climat et nous : un équilibre fragile ? Editions Le Pommier & Universcience, 168 pp. (2011).
- _ Collectif incluant E. Bard. Climat: Une planète et des Hommes. Editions Le Cherche Midi, 335 pp. (2011).
- _ Gaudin C, Bard E (sous la direction de). Clôture de la 4^e année polaire internationale. Rapport de l'OPECST. *Presses du Sénat et de l'Assemblée Nationale*, 219 pp. (2009).
- _ Abel O, Bard E, Berger A, Besnier JM, Guesnerie, R Serres M, Ethique et changement climatique. Editions Le Pommier, 204 pp. (2009).
- _ Collectif incluant E. Bard. Les géosciences au service de l'Homme : comprendre l'avenir. Editions Hirlé, 200 pp. (2007).
- _ Collectif incluant E. Bard. Quel temps fera-t-il demain ? Editions Tallandier, 217 pp. (2007).
- _ Bard E (sous la direction de). L'Homme face au climat. Collège de France, Editions Odile Jacob, 448 pp. (2006).
- _ Bard E. L'Homme et le climat, une liaison dangereuse. Editions Gallimard n°482, 128 pp. (2005).
- _ Bard E. Evolution du climat et de l'océan. Editions Fayard, 75 pp. (2003).

_ Bard E, Broecker WS (sous la direction de). The Last Deglaciation: Absolute and Radiocarbon Chronologies. NATO ASI serie I, vol 2, Editions Springer-Verlag, 344 pp. (1992).

Autres articles et chapitres (inclus la vulgarisation scientifique):

Bard E. Une nouvelle horloge pour les archéologues. *Archéologia* 591, 10-11, (2020).

Bard E. Climate Tales. *in Memory*, Eds. P. Tortell et al., PWIAS, UBC Press, pp. 31-37, (2018).

Bard E. De la nécessité d'une vision géologique du changement climatique. *Géologues (Société Géologique de France)* 192, 8-11 (2017).

Vidal L, Rhoujjati A, Adallal R, Jouve G, Bard E, Benkaddour A, Chapron E, Courp T, Dezileau L, Garcia M, Hebert B, Simonneau A, Sonzogni C, Sylvestre F, Tachikawa K, Vallet-Coulomb C, Viry E. Past hydrological variability in the Moroccan Middle Atlas inferred from lakes and lacustrine sediments. *In The Mediterranean Region under Climate Change*. IRD éditions/AllEnvi. 1, 57-69 (2016).

Bard E. Variations of sea-surface ^{14}C reservoir ages (SSRA) and their paleoclimatic implications: From a chronometric problem to a new paleoceanographic proxy. *Nova Acta Leopoldina NF* 121, 408, 29-34 (2015).

Köhler P, Völker C, Knorr G, Bard E. High latitude impacts on deglacial CO₂: Southern Ocean westerly winds and northern hemisphere permafrost thawing. *Nova Acta Leopoldina NF* 121, 408, 135-140 (2015).

Lea DW, Kienast M, de Garidel-Thoron T, Kageyama M, Paul A, Bard E. COMPARE 2013: Constraining tropical ocean cooling during the Last Glacial Maximum. *PAGES Magazine* 22 (1), 43, (2014).

Bard E. Evolution du niveau de la mer. *Fiches Scientifiques de l'Institut Océanographique de Monaco*, 1-7, <http://institut-ocean.org/> (2013).

Bard E. Le dernier réchauffement climatique. *La Recherche* 474, 54-56 (2013).

Capron E, Landais A, Tzedakis PC, Bard E, Blunier T, Dahl-Jensen D, Dokken T, Gersonde R, Parrenin F, Schulz M, Vinther B, Waelbroeck C. Dating and synchronizing paleoclimatic records over the last interglacial. *PAGES News* 21 (1), 26-27 (2013).

Bard E. Préface de « Sahara : Les grands changements climatiques naturels » de N. Petit-Maire. Editions Errance, 9-10 (2012).

Bard E. Influence du Soleil sur le climat. *L'Astronomie* 125, 8-44 (juillet-août, 2011).

Bard E. Influence du Soleil sur le climat. *Lettre du Collège de France* 31, 32-35 (juin, 2011).

Bard E. L'océan mondial. *in «L'Océan, le climat et nous : un équilibre fragile ?»* Editions Le Pommier & Universcience, 6-45 (2011).

Bard E. Les changements climatiques récents sont-ils dus au Soleil. *in* « Climat: Une planète et des Hommes ». Editions Le Cherche Midi, 188-197 (2011).

Bard E. Introduction sur les forçages naturels. *in* «Le climat à découvert ». Editions du CNRS, 189-190 (2011).

Chappellaz J, Petit JR, Grousset F, Bard E. Inclusions minérales et gazeuses dans les glaces. *in* «Le climat à découvert ». Editions du CNRS, 123-124 (2011).

Sicre MA, Khodri M, Mignot J, Allard P, Balkanski Y, Bard E. Effet des éruptions volcaniques sur le climat, *in* «Le climat à découvert ». Editions du CNRS, 201-203 (2011).

Bard E. J'ai le devoir de prendre part au débat sur le climat. *La Recherche* 439, 68-69 (2010).

Bard E. Préface du livre « Sur les origines de l'effet de serre et du changement climatique». Editions *La Ville Brûle*, 7-16 (2010).

Leduc G, Vidal L, Cartapanis C, Bard E, Modes of eastern equatorial Pacific thermocline variability : implications for ENSO variability over the last glacial period. *PAGES News* 18 (1), 34-36 (2010).

Bard E. L'océan atténue le réchauffement. *Les Dossiers de La Recherche* 36, 71-73 (2009).

Bard E. Changement climatique : certitudes, incertitudes et idées fausses, *in* «Ethique et changement climatique», Editions Le Pommier, 59-79 (2009)

Bard E. Climat, glaces et océans : quelles évolutions à court et long termes, *in* « Clôture de la 4^e année polaire internationale ». Rapport de l'OPECST. *Presses du Sénat et de l'Assemblée Nationale*, 113-117 (2009).

Bard E. Les variations climatiques du passé et de l'avenir, *in* « Les géosciences au service de l'Homme : comprendre l'avenir», Editions Hirlé, 177-195 (2007).

Bard E. *in* « Quel temps fera-t-il demain ? », Editions Tallandier, 107-120; 167-174 (2007).

Bard E. Bac to basics: l'effet de serre. *La Recherche*, hors-série n°3, 46-53, (2007).

Bard E. L'océan et le changement climatique. *La Lettre de l'Académie des sciences* n° 21, 15-19 (2007).

Bard E. La circulation de l'Océan Atlantique et les surprises du climat. *in* « L'Homme face au climat ». Collège de France, Editions Odile Jacob, 49-84 (2006).

Bard E. Préface du livre « Le méthane et le destin de la Terre » de G. Lambert et coll. Editions EDP Sciences, 5-11 (2006).

Bard E. La variabilité climatique extrême des périodes glaciaires, *in* « *La Science au Présent* », *Encyclopaedia Universalis*, 105-108, (2006).

Bard E. L'Europe du Nord se réchauffera moins qu'elle ne le devrait. *La Recherche* 399, 62 (2006).

Bard E. Variations climatiques naturelles et anthropiques. *BRGM Géosciences* 3, 30-35, (2006).

Reimer PJ, Bard E, Buck C, Guilderson TP, Hogg A, Hughen K, Kromer B, Reimer R, Southon J, Turney CSM, van der Plicht J, Weyhenmeyer CE, Ramsey CB, IntCal and the future of radiocarbon calibration. *PAGES News* 14 (3), 9-10 (2006).

Bard E, More notes on global warming. *Physics Today* 58, 16-17, (2005).

Bard E. Neuf clés pour comprendre l'effet de serre. *Les Dossiers de La Recherche* 17, 8-13, (2004).

Bard E. Coups de Soleil sur la planète. *Les Dossiers de La Recherche* 17, 26-29, (2004).

Bard E. Le climat va-t-il basculer ? *Les Dossiers de La Recherche* 17, 34-40, (2004).

Bard E, Ménot-Combes G, Delaygue G. Des dates fiables pour les 50.000 dernières années. *Pour La Science*, dossier 42, 54-59, (2004).

Bard E. Le climat peut-il basculer ? *La Recherche* 373, 30-37, (2004).

Bard E. La Méditerranée au cœur du réchauffement climatique. *Terres Marines* 20, 10-13, (2002).

Bard E. L'effet de serre. *La Recherche* 356, 50-53, (2002).

Bard E. Les humeurs du Soleil changent notre climat. *La Recherche* 352, 17-18, (2002).

Bard E. Citation for the presentation of the 2000 V.M. Goldschmidt Award to Geoffrey Eglinton. *Geochimica et Cosmochimica Acta* 65, 1003-1004, (2001).

Bard E. La datation au carbone 14 fait peau neuve. *La Recherche* 323, 52-56, (1999).

Bard E. Aux origines des temps anciens. *Terres Marines* 13, 32-36, (1997).

Bard E. Le niveau marin depuis 20,000 ans enregistré par les coraux. *Lettre du Programme International Géosphère Biosphère-Programme Mondial de Recherches sur le Climat* (PIGB-PMRC), n°5, (1996).

<http://www.cnrs.fr/cw/dossiers/dosclim1/rechfran/4theme/paleo/niveaumer.html>

Hamelin B, Bard E. Datations par le carbone 14: une meilleure justesse. *La Recherche* 229, 244-246, (1991).

Quelques interviews et articles de presse:

Le Monde, 25 avril 2020. La pandémie de Covid-19 préfigure en accéléré la propagation du réchauffement climatique.

Le Monde, 8 décembre 2016. Dans la vallée de Chamonix le chauffage au bois est le principal coupable de la pollution.

La Provence, p. 6, 17 septembre 2016. Le technopôle de l'Arbois se dote d'un 2^e accélérateur de particules.

Le Monde, p. 7, 25 novembre 2015. Edouard Bard, Vigie climatique.

L'Express Dimanche, p. 1-13, 6 septembre 2015. Maurice n'échappera pas au réchauffement climatique.

La Provence, p. 1, 3 juin 2015. L'inertie des politiques relève de l'égoïsme.

Libération, p. 42-43, 20 septembre 2013. La décennie 2000 est la plus chaude.

Libération, p. 34-35, 12 avril 2013. L'entrée en sel de la mer Noire.

La Provence, p. 8, 29 janvier 2013. Climat, pollution : bientôt un outil de point au technopôle.

Le Monde, p. 9, 30 mars 2012. L'Antarctique très vulnérable au réchauffement.

Libération, p. 21, 17 avril 2012. Climat : le CO₂ définitivement grillé.

Le Monde, p. 3, 7 avril 2012. Le film de la déglaciation reconstitué.

La Provence, p. 3, 15 février 2012. La dotation qui fera de l'Arbois un acteur mondial.

Le Point, p. 68-69, 2 juin 2011. L'archéologue des océans.

La Provence, p. 3, 16 mars 2011. Un chercheur aixois élu à l'Académie des sciences.

Le Monde, p. 18, 16 janvier 2010. La dernière déglaciation inscrite dans les coraux tahitiens.

Le Monde, p. 19, 22 mai 2010. Pédagogie de la complexité plutôt que démagogie de la simplicité.

Le Soir (Belgique), p. 15, 6 janvier 2010. Le réchauffement climatique est réel et l'Homme en est le principal responsable.

Le Monde, p. 18, 18 juillet 2009. La sévérité des ères glaciaires serait déterminée par l'océan.

La Marseillaise, p. 3-4, 6 décembre 2009. Edouard Bard pose les enjeux du sommet de l'ONU sur le climat.

Dirigeant n°87, p. 27, septembre 2009. Un homme de son « temps ».

L'Echo (Belgique), p. 11, 24 avril 2008. La paléoclimatologie nous parle.

L'Agglo d'Aubagne, p. 26-27, février 2008. Le réchauffement climatique.

La Libre Belgique, p. 17, 14 février 2008. Accepter des actions qui nous coûtent.

La Provence, p. 5, 22 janvier 2008. Un chercheur aixois au cœur du réchauffement climatique.

La Provence, p. 12, 29 septembre 2007. Le climatologue Edouard Bard au chevet de la Terre.

La Marseillaise, 17 avril 2007. Changement climatique.

Le Figaro, p. 12, 3-4 février 2007. Comme si Paris était déplacée à la latitude de Bordeaux.

Le Monde, p. 7, 23 février 2007. Un coup de froid sur le Groenland modifie les pluies sous les tropiques.

Libération, p. 38-39, 27-28 janvier 2007. La menace d'un changement climatique dangereux se confirme.

Nouvel Observateur, p. 16, 14 décembre 2006. Sceptique professionnel.

Libération, p. 5, 11 octobre 2006. +2°C, un seuil à ne pas dépasser.

Le Monde, p. 18, 1-2 octobre 2006. La tentation de refroidir la planète.

Journal du CNRS, n°193, p. 31, février 2006. L'archéologue du climat.
<http://www2.cnrs.fr/presse/journal/2667.htm>

Elle, p. 155-158, 26 décembre 2005. Sale temps pour la terre.

Athena (Belgique) n°215, p. 134, novembre 2005. Un lauréat multidisciplinaire.

Le Soir (Belgique), 14 octobre 2005. Du réchauffement de la planète à la dérive des vendanges dans le Bordelais.

Le Vif L'Express (Belgique), n°41, p. 25-26, 14 octobre 2005. Le tapis qui change le monde.

Journal du CNRS, n°174-175, juillet-août 2004. Confessions d'une stalagmite.
<http://www2.cnrs.fr/presse/journal/1549.htm>

Metro, 11 juin 2003. Menaces sur le climat de la planète ?

La Provence, p.6, 4 décembre 2002. Un Aixois au chevet du climat de la terre. Un peu de Collège de France en Provence ?

Libération, p. 40-41, 23-24 novembre 2002. Le changement de climat est pour la deuxième moitié du siècle.

Le Monde, p. 18, 13 novembre 2002. Climat: vers un changement climatique majeur ?

Le Monde, p. X, 28 février 1997. Les climatologues s'interrogent sur les mécanismes thermiques.

Libération, p. 37, 25 novembre 1992. Le seigneur des coraux.