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Liste n°30 : 2005-2007

Publications de l'année 2005

ALLEAUME, S., HELY, C., LE ROUX, J., KORONTZI, S., SWAP, R.J., SHUGART, H.H., JUSTICE, C.O. (2005) - Using MODIS to evaluate heterogeneity of biomass burning in southern african savannahs: a case study in Etosha. - *International Journal of Remote Sensing*, 26/19: 4219-4237. [05101]

ANANOU, B., BARONNET, A., KSARI, Y., MARFAING, J., REGNIER, S., ROCHETTE, P., SULPICE, A., STEPANOV, A. (2005) - Magnetic properties of marine tertiary investigated over a wide temperature range. - *Journal of Magnetism and Magnetic Materials*, 293: 816-825. [05084]

ARNAUD-FASSETTA, G., BRUNETON, H., BERGER, J.F., BEAUDOIN, C., BOES, X., PROVANSAL, M. (2005) - A ~8,000-yr record of paleohydrology and environmental change in fluvial-influenced sediments from Arles-Piton core, upper Rhône Delta, France. - *Zeitschrift für Geomorphologie*, 49/4: 455-484. [05082]

AUTHEMAYOU, C., BELLIER, O., CHARDON, D., MALEKZADE, Z., ABBASSI, M.R. (2005) - Role of the Kazerun fault system in active deformation of the Zagros fold-and-thrust belt (Iran). - *Comptes Rendus Geoscience*, 337: 539-545. [05099]

BARD, E. (2005) - Une antenne du Collège de France au chevet de la surface de la terre. - *Echos Science*, 1: 10-13. [05003]

BARD, E. (2005) - More notes on Global Warming. - *Physics Today*, 58/5: 16-17. [05018]

BARD, E. (2005) - Evolution du climat et de l'océan. In: *Cours et travaux du Collège de France. Annuaire 105e année : Résumés 2004-2005*: 163-171. - [05092]

BARKER, S., CACHO, I., BENWAY, I., TACHIKAWA, K. (2005) - Planktonic foraminiferal Mg/Ca as a proxy for past oceanic temperatures: a methodological overview and data compilation for the Last Glacial Maximum. - *Quaternary Science Reviews*, 24: 821-834. [05059]

BASILE-DOELSCH, I., AMUNDSON, R., STONE, W.E.E., MASIELLO, C.A., BOTTERO, J.Y., COLIN, F., MASIN, F., BORSCHNECK, D., MEUNIER, J.D. (2005) - Mineralogical control of organic carbon dynamics in a volcanic ash soil on La Réunion. - *European Journal of Soil Science*, 56: 689-703. [05035]

BASILE-DOELSCH, I., MEUNIER, J.D., PARRON, C. (2005) - Another continental pool in the terrestrial silicon cycle. - *Nature*, 433: 399-402. [05034]

BEAUFORT, L., (Chief Scientist) (2005) - MD148 - PECTEN Image XIII. - Plouzané: IPEV - Institut Polaire Français. - , 1 CD + 22 pl. + 58 p.- (Les rapports de campagnes à la mer : réf:OCE/2005/03).

BELLIER, O. (2005) - Sumatra, les dessous du tsunami. - *Eruption*, 6: 41-44. [05070]

BLARD, P.H., LAVE, J., PIK, R., QUIDELLEUR, X., BOURLES, D., KIEFFER, G. (2005) - Fossil cosmogenic ³He record from K-Ar dated basaltic flows of Mount Etna volcano (Sicily, 38°N): Evaluation of a new paleoaltimeter. - *Earth and Planetary Science Letters*, 236: 613-631. [05075]

BONNEFILLE, R. (2005) - Continental palaeovegetation changes at hominid sites in East Africa during the Cenozoic. In: *Research conference "Palaeoclimates and Human evolution: Integrating drilling research with paleoanthropology and other geological records"* Front Royal, Virginia, November 17-20, 2005: 2 p. [05069]

- BOOMER, I., VON GRAFENSTEIN, U., GUICHARD, F., BIEDA, S.** (2005) - Modern and Holocene sublittoral ostracod assemblages (Crustacea) from the Caspian Sea: A unique brackish, deep-water environment. - *Palaeogeography Palaeoclimatology Palaeoecology*, 225/1-4: 173-. [05055]
- BOURLES, D.** (2005) - Une nouvelle approche de l'histoire récente de la surface de la terre et de l'homme. - *Echos Science*, 1: 4-5. [05001]
- BRAUCHER, R., BENEDETTI, L., BOURLES, D.L., BROWN, E.T., CHARDON, D.** (2005) - Use of in situ-produced ^{10}Be in carbonate-rich environments: A first attempt. - *Geochimica et Cosmochimica Acta*, 69/6: 1473-1478. [05024]
- BREMOND, L., ALEXANDRE, A., HELY, C., GUIOT, J.** (2005) - A phytolith index as a proxy of tree cover density in tropical areas: calibration with Leaf Area Index along a forest-savanna transect in southeastern Cameroon. - *Global and Planetary Change*, 45: 277-293. [05026]
- BREMOND, L., ALEXANDRE, A., PEYRON, O., GUIOT, J.** (2005) - Grass water stress estimated from phytoliths in West Africa. - *Journal of Biogeography*, 32: 311-327. [05086]
- CARPENA, J., LACOUT, J.L.** (2005) - Les céramiques apatitiques spécifiques. Matériaux à base de phosphates de calcium pour le stockage des déchets radioactifs. - *Actualité chimique*, 285-286: 64-69. [05032]
- CARY, L., ALEXANDRE, A., MEUNIER, J.D., BOEGLIN, J.L., BRAUN, J.J.** (2005) - Contribution of phytoliths to the suspended load of biogenic silica in the Nyong basin rivers (Cameroon). - *Biogeochemistry*, 74: 101-114. [05048]
- CHARDON, D.** (2005) - Accrétion magmatique et déformation continentale - Aléa sismique en domaine convergent - Morphogenèse tropicale à long terme et épirogenèse. - Université Paul Cézanne. Faculté des Sciences et Techniques de Saint Jérôme: Thèse d'habilitation à diriger des recherches. - p. [05061]
- CHAPON, C., BAHAIN, J.J., LUMLEY de, H., PERRENOUD, C., VANDAMME, D.** (2005) - Stratigraphie, sédimentologie et magnétostratigraphie du site Oldowayan de Fejej FJ-1, sud-Omo, Ethiopie : premiers résultats. - *Quaternaire*, 16/3: 143-152. [05072]
- CHARDON, D., BELLIER, O., HERMITTE, D.** (2005) - Réponse au commentaire de M. Mattauer à l'article : Cadre géologique du séisme de Lambesc du 11 juin 1909 (Provence, France) structure et évolution de l'anticlinal de la Trévaresse. - *Bulletin de la Société Géologique de France*, 176/1: 122-123. [05068]
- CHARDON, D., HERMITTE, D., NGUYEN, F., BELLIER, O.** (2005) - First paleoseismological constraints on the strongest earthquake in France (Provence) in the twentieth century. - *Geology*, 33/11: 901-904. [05074]
- CLAUDE, C., SUHR, G., HOFMAN, A.W., KOSCHINSKY, A.** (2005) - U-Th chronology and paleoceanographic record in a Fe-Mn crust from the NE Atlantic over the last 700 ka. - *Geochimica et Cosmochimica Acta*, 69/20: 4845-4854. [05043]
- COLIN, F., BEAUVAIS, A., RUFFET, G., HENOQUE, O.** (2005) - First $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology of lateritic manganese-bearing pisolites: Implications for the Paleogene history of a West African landscape. - *Earth and Planetary Science Letters*, 238: 172-188. [05054]
- DELALANDE, M., BERGONZINI, L., BEAL, F., GARCIN, Y., MAJULE, A., WILLIAMSON, D.** (2005) - Contribution à la détection des pertes souterraines du Lac Masoko (Tanzanie): évidence isotopiques (^{18}O , D). - *Hydrological Sciences Journal*, 50/5: 867-880. [05109]
- DOMINGUEZ, M.I., CARPENA, J., BORSCHNEK, D., CENTENO, M.A., ODRIOZOLA, J.A., ROSE, J.** (2005) - Retention of dust generated in the stainless steel manufacture into hydrothermal cements. In: *Stainless Steel'05, Science and Market*: 135-141. [05073]
- ELBAZ-POULICHET, F., SEIDEL, J.L., JEZEQUEL, D., METZGER, E., PREVOT, F., SIMONUCCI, C., SARAZIN, G., VIOLLIER, E., ETCHEBER, H., JOUANNEAU, J.M., WEBER, O., RADAKOVITCH, O.** (2005) - Sedimentary record of redox-sensitive elements (U, Mn, Mo) in a transitory anoxic basin (the Thau lagoon, France). - *Marine Chemistry*, 95: 271-281. [05020]

- ENGEL, A., ZONDERVAN, I., AERTS, K., **BEAUFORT, L.**, et al. (2005) - Testing the direct effect of CO₂ concentration on a bloom of the coccolithophorid *Emiliania huxleyi* in mesocosm experiments. - *Limnology and Oceanography*, 50/2: 493-507. [05071]
- GARIDEL-THORON de, T.**, ROSENTHAL, Y., BASSINOT, F., **BEAUFORT, L.** (2005) - Stable sea surface temperatures in the western Pacific warm pool over the past 1.75 million years. - *Nature*, 433: 294-298. [05033]
- GASSE, F.** (2005) - Archives continentales et reconstruction des climats passés. - *Echos Science*, 1: 6-9. [05002]
- GASSE, F.** (2005) - Continental palaeohydrology and paleoclimate during the Holocene. - *Comptes Rendus Geoscience*, 337/1-2: 79-86. [05040]
- GATTACCECA, J.**, **ROCHETTE, P.**, DENISE, M., CONSOLMAGNO, G., FOLCO, L. (2005) - An impact origin for the foliation of chondrites. - *Earth and Planetary Science Letters*, 234: 351-368. [05027]
- GAUDIN, A.**, DECARREAU, A., **NOACK, Y.**, GRAUBY, O. (2005) - Clay mineralogy of the nickel laterite ore developed from serpentinitised peridotites at Murrin Murrin, Western Australia. - *Australian Journal of Earth Sciences*, 52: 231-241. [05111]
- 05102 - GAUFFRES, P., **SABATIER, F.** (2005) - Extrem storm surges distributions at Marseilles. In: MEDCOAST 2005. [05102]
- GOIRAN, J.P., **MARRINER, N.**, **MORHANGE, C.**, ABD EL-MAGUIB, M., ESPIC, K., BOURCIER, M., CARBONEL, P. (2005) - Evolution géomorphologique de la façade maritime d'Alexandrie (Egypte) au cours des six derniers millénaires. Geomorphological evolution of Alexandria's maritime façade during the past 6000 years. - *Méditerranée*, 104/1-2 : 61-64. [05107]
- GUIGNARD, P., **BELLIER, O.**, **CHARDON, D.** (2005) - Géométrie et cinématique post-oligocène des failles d'Aix et de la moyenne Durance (Provence, France). - *Comptes Rendus Geoscience*, 337/3: 375-384. [05039]
- GUIOT, J.**, NICAULT, A., RATHGEBER, C., EDOUARD, J.L., GUIBAL, F., PICHARD, G., TILL, C. (2005) - Last-millennium summer-temperature variations in western Europe based on proxy data. - *Holocene*, 15/4: 489-500. [05017]
- GUI TER, F., TRIGANON, V., ANDRIEU-PONEL, V., HEBRARD, J.P., NICLOUD, G., BEAULIEU (de), J.L., **BREWER, S.**, GUIBAL, F. (2005) - First evidence of "in situ" Eemian sediments on the high plateau of Evian (Northern Alps, France): implications for the chronology of the Last Glaciation. - *Quaternary Science Reviews*, 24/1-2: 35-48. [05038]
- HATTE, C., **GUIOT, J.** (2005) - Palaeoprecipitation reconstruction by inverse modelling using the isotopic signal of loess organic matter: application to the Nussloch loess sequence (Rhine valley, Germany). - *Climate Dynamics*. [05030]
- ICPN Working Group: MADELLA, M., **ALEXANDRE, A.**, BALL, T. (2005) - International Code for Phytolith Nomenclature 1.0. - *Annals of Botany*, 96: 253-260. [05112]
- KELLER, C.**, MARCHETTI, M., ROSSI, L., LUGON-MOULIN, N. (2005) - Reduction of cadmium availability to tobacco (*Nicotiana tabacum*) plant using soil amendments in low cadmium-contaminated agricultural soils: a pot experiment. - *Plant and Soil*, 276: 69-84. [05076]
- KELLER, C.**, LUDWIG, C., DAVOLI, F., WOCHELE, J. (2005) - Thermal treatment of metal-enriched biomass produced from heavy metal phytoextraction. - *Environmental Science & Technologie*, 39: 3359-3367. [05077]
- LE ROUX, G., **VERON, A.**, **MORHANGE, C.** (2005) - Lead pollution in the ancient harbours of Marseille. Contamination au plomb dans les ports antiques de Marseilles. - *Méditerranée*, 1.2: 31-35. [05011]
- MAGNY, M., **PEYRON, O.**, BEGEOT, C., **GUIOT, J.** (2005) - Quantitative reconstruction of mid-Holocene climatic variations in the northern Alpine foreland based on lake Morat (Swiss Plateau) and Lake Annecy (French Pre-Alps) data. - *Boreas*, 34: 1-13. (05104)
- MAILLET, G.M.**, RIZZO, E., **REUIL, A.**, **VELLA, C.** (2005) - High resolution electrical resistivity tomography (ERT) in a transition zone environment: Application for detailed internal architecture and infilling processes study of a Rhône River paleo-channel. - *Marine Geophysical Researches*, 26: 317-328. [05078]

- MAHJOUBI, R., KAMEL, S., **NOACK, Y., MICHARD, A., NAHON, D., CARRUESCO, C.** (2005) - Traçage isotopique $^{87}\text{Sr}/^{86}\text{Sr}$ dans un système paralique : cas des carbonates des sédiments superficiels de la lagune de Nador (Maroc nord oriental). - Bulletin de la Société Géologique de France, 176/4: 373-380. [05110]
- MARRINER, N., MORHANGE, C.** (2005) - Under the city centre, the ancient harbour. Tyre and Sidon: heritage to preserve. - Journal of Cultural Heritage, 6: 183-189. [05010]
- MARRINER, N., MORHANGE, C.** (2005) - Save Tyre: CEDRE, CPM UNESCO and AIST geoarchaeological programs. Sauver Tyr : Programmes géoarchéologiques CEDRE, CPM UNESCO et AIST. - Méditerranée, 104/1.2: 129-131. [05013]
- MARRINER, N., MORHANGE, C., BOUDHAGER-FADEL, M., BOURCIER, M., CARBONEL, P.** (2005) - Geoarchaeology of Tyre's ancient northern harbour, Phoenicia. - Journal of Archaeological Science, 32: 1302-1327. [05004]
- MARRINER, N., MORHANGE, C., RYCX, Y., BOUDAGHER-FADEL, M., BOURCIER, M., CARBONEL, P., GOIRAN, J.P., NOUJAIM-CLARK, G.** (2005) - Holocene coastal dynamics along the Tyrian Peninsula Palaeogeography of the northern harbour. In: **MORHANGE, C., SAGHIEH-BEYDOUN, M.** (Eds) - La mobilité des paysages portuaires antiques du Liban: 61-89. - Beyrouth, Liban: Direction générale des antiquités. - (Bulletin Archéologique et d'Architecture Libanaises ; Hors Série II). [05087]
- MARTINOD, J., FUNICIELLO, F., FACCENNA, C., LABANIEH, S., **REGARD, V.** (2005) - Dynamical effects of subducting ridges: insights from 3-D laboratory models. - Geophysical Journal International, 163: 1137-1150. [05108]
- MAZABRAUD, Y., BETHOUX, N., GUILBERT, J., BELLIER, O.** (2005) - Evidence for short-scale stress field variations within interplate centra-western France. - Geophysical Journal International, 160: 161-178. [05036]
- MIRALLES, J., RADAKOVITCH, O., ALOISI, J.C.** (2005) - ^{210}Pb sedimentation rates from the Northwestern Mediterranean margin. - Marine Geology, 216: 155-167. [05058]
- MORHANGE, C.** (2005) - Relative sea-level changes in Marseille's ancient harbors (France) during the Late Holocene. - Zeitschrift für Geomorphologie, suppl.Vol.137: 27-28. [05023]
- MORHANGE, C.** (2005) - Le littoral de Tyr. Un patrimoine archéologique et culturel à sauvegarder. In: **MORHANGE, C., SAGHIEH-BEYDOUN, M.** (Eds) - La mobilité des paysages portuaires antiques du Liban: 129-132. - Beyrouth, Liban: Direction générale des antiquités. - (Bulletin Archéologique et d'Architecture Libanaises ; Hors Série II). [05090]
- MORHANGE, C., CHEVILLOT, P.** (2005) - Cadre naturel du bassin de Marseille et historique des recherches géoarchéologiques sur les rivages du Lacydon. In: **ROTHER, M.P., TREZIGNY, H.** (Ed.) - Marseille et ses alentours: 87-92. - Paris: Maison des Sciences de l'Homme. - (Carte archéologique de la Gaule).[05047]
- MORHANGE, C., ESPIC, K., BOUDAGHER-FADEL, M., DOUMET-SERHAL, C.** (2005) - Les paléoenvironnements du Port Nord de Sidon. Tentative de synthèse. In: **MORHANGE, C., SAGHIEH-BEYDOUN, M.** (Eds) - La mobilité des paysages portuaires antiques du Liban: 135-144. - Beyrouth, Liban: Direction générale des antiquités. - (Bulletin Archéologique et d'Architecture Libanaises ; Hors Série II). [05088]
- MORHANGE, C., GOIRAN, J.P., MARRINER, N.** (Eds) (2005) - Environnements littoraux méditerranéens, héritages et mobilité. Coastal geoarchaeology of the Mediterranean. Aix en Provence : IGUP. 140 p. (Méditerranée ; 104/1-2). [05105]
- MORHANGE, C., GOIRAN, J.P., MARRINER, N.** (2005) - Introduction : Une géoarchéologie des littoraux méditerranéens- Méditerranée, 104/1-2 : 3-4. [05106]
- MORHANGE, C., HAMDAN TAHA, M., HUMBERT, J.B., MARRINER, N.** (2005) - Human settlement and coastal change in Gaza since the Bronze Age. Gaza : évolution des environnements et occupation de l'espace depuis l'âge de Bronze. - Méditerranée, 104/1.2: 75-78. [05014]
- MORHANGE, C., PIRAZZOLI, P.A.** (2005) - Mid-Holocene emergence of southern Tunisian coasts. - Marine Geology, 220: 205-213. [05053]

- MORHANGE, C., SAGHIEH-BEYDOUN, M.** (Eds) (2005) - La mobilité des paysages portuaires antiques du Liban. - Beyrouth, Liban: Direction générale des antiquités. - 243 p.- (Bulletin Archéologique et d'Architecture Libanaïses ; Hors Série II). [05000]
- MORHANGE, C., SAGHIEH-BEYDOUN, M.** (2005) - Etude géoarchéologique de quatre ports antiques du Liban (Byblos, Tyr, Sidon et Beyrouth). Résultats des programmes franco-libanais CEDRE, CNRSL, UNESCO et IUF. In: **MORHANGE, C., SAGHIEH-BEYDOUN, M.** (Ed.) - La mobilité des paysages portuaires antiques du Liban: 7-15. - Beyrouth, Liban: Direction générale des antiquités. - (Bulletin Archéologique et d'Architecture Libanaïses ; Hors Série II). [05089]
- MORON, V., ULLMANN, A.** (2005) - Relationship between sea-level pressure and sea-level height in the Camargue (French Mediterranean Coast). - *International Journal of Climatology*, 25: 1531-1540. (05037)
- NARCISI, B., PETIT, J.R., DELMONTE, B., BASILE-DOELSCH, I., MAGGI, V.** (2005) - Characteristics and sources of tephra layers in the EPICA-Dome C ice record (East Antarctica): Implications for past atmospheric circulation and ice core stratigraphic correlations. - *Earth and Planetary Science Letters*, 239: 253-265. [05052]
- NAUDET, V., REVIL, A.** (2005) - A sandbox experiment to investigate bacteria-mediated redox processes on self-potential signals. - *Geophysical Research Letters*, 32/L11405: 1-4. [05006]
- NIETO, X., REVIL, A., MORHANGE, C., VIVAR, G., RIZZO, E., AGUELO, X.** (2005) - La fachada marítima de Ampurias: estudios geofísicos y datos arqueológicos. - *Empuries*, 54: 71-100. [05045]
- PEYRON, O., BEGEOT, C., BREWER, S., HEIRI, O., MAGNY, M., MILLET, L., RUFFALDI, P., VAN CAMPO, E., YU, G.** (2005) - Late-Glacial climatic changes in Eastern France (Lake Lautrey) from pollen, lake-levels, and chironomids. - *Quaternary Research*, 64: 197-211. [05094]
- PICHEVIN, L., CREMER, M., GIRAUDEAU, J., BERTRAND, P.** (2005) - A 190 ky record of lithogenic grain-size on the Namibian slope: Forging a tight link between past wind-strength and coastal upwelling dynamics. - *Marine Geology*, 218: 81-96. [05049]
- PICHEVIN, L., MARTINEZ, P., BERTRAND, P., SCHNEIDER, R.** (2005) - Nitrogen cycling on the Namibian shelf and slope over the last two climatic cycles: Local and global forcings. - *Paleoceanography*, 20/PA2006: 1-13. [05050]
- PIRAZZOLI, P.A., MORHANGE, C.** (2005) - Interprétation des variations du niveau de la mer à la fin de l'Holocène le long d'une transversale Nord-Sud en Méditerranée centrale. In: Sanjaume, E., Mateu, J.F. (Eds) - *Géomorphologia litoral i Quaternari*: 363-371. - Universitat de València. [05098]
- PROVANSAL, M., SABATIER, F., VELLA, C., ANTONELLI, C., MAILLET, G.** (2005) - Impacts of the fluvial sediments inputs and channel morphology in the mobility of the Rhone delta coast during the Holocene and recent periodS. - *LOICZ Newsletter*, 34: 4-6.- [05113]
- RATHGEBER, C.B.K., MISSON, L., NICAULT, A., GUIOT, J.** (2005) - Bioclimatic model of tree radial growth: application to the french Mediterranean Aleppo pine forest. - *Trees*, 19: 162-176. [05029]
- REGARD, V., BELLIER, O., MARTINOD, J., FACCENNA, C.** (2005) - Analogue experiments of subduction VS. Collision processes: Insight for the Iranian tectonics. - *Journal of Seismology and Earthquake Engineering*, 7/3: 1-9. [08081]
- REGARD, V., BELLIER, O., THOMAS, J.C., BOURLES, D., BONNET, S., ABBASSI, M.R., BRAUCHER, R., MERCIER, J., SHABANIAN, E., SOLEYMANI, S., FEGHHI, K.** (2005) - Cumulative right-lateral fault slip rate across the Zagros-Makran transfer zone: role of the Minab-Zendan fault system in accomodating Arabia-Eurasia convergence in Southeast Iran. - *Geophysical Journal International*, 162: 177-203. [05008]
- REGARD, V., FACCENNA, C., MARTINOD, J., BELLIER, O.** (2005) - Slab pull and indentation tectonics: insights from 3D laboratory experiments. - *Physics of the Earth and Planetary interiors*, 149: 99-113. [05057]
- REVIL, A., CARY, L., FAN, Q., FINIZOLA, A., TROLARD, F.** (2005) - Self-potential signals associated with preferential ground water flow pathways in a buried paleo-channel. - *Geophysical Research Letters*, 32/L07401: 1-4. [05031]

- REVIL, A., LEROY, P., TITOV, K.** (2005) - Characterization of transport properties of argillaceous sediments: Application to the Callovo-Oxfordian argillite. - *Journal of Geophysical Research*, 110/B06202: 1-18. [05005]
- REY, T., LEFEVRE, D., **VELLA, C.** (2005) - Données nouvelles sur les lobes deltaïques du paléogolfe d'Aigues-Mortes à l'Holocène (Petite Camargue, France). - *Holocène*, 16/4: 329-338. [05080]
- RIBES, E., PROVANSAL, M.** (2005) - Suspended sediment transport and trapping processes in the regulated lower Durance River, southeastern France. In: *Geomorphological Processes and Human Impacts in River Bassins* (Proceedings of the International Conference held at Solsona, Catalonia, Spain, May 2004): 101-110. - IAHS. - (IAHS Publ. ; 299). [05097]
- ROBERT, C., DIESTER-HAASS, L., PATUREL, J.** (2005) - Clay mineral assemblages, clastic input and paleoproductivity at ODP Site 1085 off Southwest Africa: A late Miocene-early Pliocene history of Orange river discharges and Benguela current activity, and their relation to global sea level change. - *Marine Geology*, 216: 221-238. [05051]
- ROCHETTE, P., GATTACCECA, J., CHEVRIER, V., HOFFMANN, V., LORAND, J.P., FUNAKI, M., HOCHLEITNER, R.** (2005) - Matching martian crustal magnetization and magnetic properties of Martian meteorites. - *Meteoritics & Planetary Science*, 40/4: 529-540. [05028]
- ROCHETTE, P., MATHE, P.E., ESTEBAN, L., RAKOTO, H., BOUCHEZ, J.L., LIU, Q., TORRENT, J.** (2005) - Non-saturation of the defect moment of goethite and fine-grained hematite up to 57 Teslas. - *Geophysical Research Letters*, 32/L22309: 1-4. [05079]
- SABATIER, F., PROVANSAL, M., FLEURY, J.** (2005) - Discussion of: Paskoff, R., 2004. Potential implications of sea-level rise for France. *Journal of Coastal Research*, 20(2), 424-434. - *Journal of Coastal Research*, 21/4: 860-864. [05083]
- SCHWARTZ, D., THINO, M., GOEPP, S., SCHMITT, C., CASNER, J., ROSIQUE, T., WUSCHER, P., **ALEXANDRE, A., DAMBRINE, E., MARTIN, C., GUILLET, B.** (2005) - Premières datations directes de défrichement protohistoriques sur les chaumes secondaires des Vosges (Rossberg, Haut-Rhin). Approche pédoanthracologique. - *Comptes Rendus Geoscience*, 337: 1250-1256. [05095]
- SIAME, L.L., BELLIER, O., SEBRIER, M., ARAUJO, M.** (2005) - Deformation partitioning in flat subduction setting: Case of the Andean foreland of Western Argentina (28°S-33°S). - *Tectonics*, 24/TC5003: 1-24. [05046]
- SILENZI, S., **BARD, E., MONTAGNA, P., ANTONIOLI, F.** (2005) - 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. [05103]
- STEFANIUK, L., MORHANGE, C., BLANC, P.F., FRANCOU, S., GOIRAN, J.P.** (2005) - Evolution des paysages littoraux dans la dépression sud-ouest de Cumes depuis 4000 ans. La question du port antique. - *Méditerranée*, 104/1.2: 49-59. [05012]
- STEFANIUK, L., MORHANGE, C., SAGHIEH-BEYDOUN, M., FROST, H., BOUDAGHER-FADEL, M., BOURCIER, M., NOUJAIM-CLARK, G.** (2005) - Localisation et étude paléoenvironnementale des ports antiques de Byblos. In: **MORHANGE, C., SAGHIEH-BEYDOUN, M.** (Eds) - *La mobilité des paysages portuaires antiques du Liban*: 19-41. - Beyrouth, Liban: Direction générale des antiquités. - (Bulletin Archéologique et d'Architecture Libanaises ; Hors Série II). [05091]
- TISSERAND, R., GRIVET, M., REBETEZ, M., RAVAT, B., **CARPENA, J., BOUFFARD, S.** (2005) - Kr irradiation effects and annealing behaviour of a monosilicated Nd-substituted fluorapatite studied by X-ray diffraction. - *Nuclear Instruments and Methods in Physics Research B*, 239: 164-170. [05021]
- TITOV, K., **REVIL, A., KONOSAVSKY, P., STRAFACE, S., TROISI, S.** (2005) - Numerical modelling of self-potential signals associated with a pumping test experiment. - *Geophysical Journal International*, 162: 641-650. [05007]
- ULLMANN, A., PONS, F., MORON, V.** (2005) - Tool kit helps digitize tide gauge records. - *Eos*, 86/38: 342-343. [05056]

- VALERO, H.P., **SARACCO, G.** (2005) - 3-D seismic endoscopy: multiscale analysis and dynamic azimuthal filtering of borehole waves. - *Geophysical Journal International*, 161: 813-828. [05019]
- VASSALLO, R., RITZ, J.F., **BRAUCHER, R.**, CARRETIER, S. (2005) - Dating faulted alluvial fans with cosmogenic ¹⁰Be in the Gurvan Bogd mountain range (Gobi-Altay, Mongolia): climatic and tectonic implications. - *Terra Nova*, 17/3: 278-286. [05095]
- VELLA, C., FLEURY, T.J., **RACCASI, G.**, PROVANSAL, M., **SABATIER, F.**, BOURCIER, M. (2005) - Evolution of the Rhône delta plain in the Holocene. - *Marine Geology*, 69/222-223: 235-265. [05044]
- VINCENS, A., **BUCHET, G.**, WILLIAMSON, D., **TAIEB, M.** (2005) - A 23,000 yr record from Lake Rukwa (8°S, SW Tanzania): New data on vegetation dynamics and climate in Central Eastern Africa. - *Review of Palaeobotany and Palynology*, 137: 147-162. [05042]
- WANG, Y., CLEMENS, S., **BEAUFORT, L.**, BRACONNOT, P., GANSSEN, G., JIAN, Z., KERSHAW, P., SARNTHEIN, M. (2005) - Evolution and variability of the Asian monsoon system: state of the art and outstanding issues. - *Quaternary Science Reviews*, 24/5-6: 595-630. [05041]
- WEHLAND, F., STANCU, A., **ROCHETTE, P.**, DEKKERS, M.J., APPEL, E. (2005) - Experimental evaluation of magnetic interaction in pyrrhotite bearing samples. - *Physics of the Earth and Planetary interiors*, 153: 181-190. [05085]
- YELLEN, J., BROOKS, A., HELGREN, D., TAPPEN, M., AMBROSE, S., **BONNEFILLE, R.**, FEATHERS, J., LUDWIG, K., RENNE, P., STEWART, K. (2005) - The archaeology of Aduma middle stone age sites in the Awash Valley, Ethiopia. - *PaleoAnthropology*, 10: 25-100. [05067]

Publications de l'année 2006

- ALEXANDRE, A., BASILE-DOELSCH, I., SONZOGNI, C., SYLVESTRE, F., PARRON, C., MEUNIER, J.D., COLIN, F.** (2006) - Oxygen isotope analyses of fine silica grains using laser-extraction technique: Comparison with oxygen isotope data obtained from ion microprobe analyses and application to quartzite and silcrete cement investigation. - *Geochimica et Cosmochimica Acta*, 70: 2827-2835. [06027]
- AUDEMARD, F., SINGER, A., SOULAS, J.P.,** and the Neotectonics Section of the Funvisis Earth Sciences Department, including **BELLIER, O.** (2006) - Quaternary faults and stress regime of Venezuela. - *Revista de la Asociacion Geologica Argentina*, 61/4: 480-491. [06176]
- AUFFAN, M., DECOME, L., ROSE, J., ORSIERE, T., DE MEO, M., BRIOIS, V., CHANNEAC, C., OLIVI, L., BERGE-LEFRANC, J.L., BOTTA, A., WIESNER, M.R., BOTTERO, J.Y.** (2006) - In vitro Interactions between DMSA-coated maghemite nanoparticles and human fibroblasts: A physicochemical and cyto-genotoxic study. - *Environmental Science & Technology*, 40: 4367-4373. [06076]
- AUTHEMAYOU, C., BELLIER, O., CHARDON, D., MALEKZADE, Z., ABBASSI, M., SHABANIAN, E.** (2006) - The transfer of strike-slip partitioned motion of oblique convergence across the Zagros Fold-and-Thrust Belt. - *Journal of Seismology and Earthquake Engineering*, 8/1: 17-27. [06055]
- AUTHEMAYOU, C., CHARDON, D., BELLIER, O., MALEKZADE, Z., SHABANIAN, E., ABBASSI, M.R.** (2006) - Late Cenozoic partitioning of oblique plate convergence in the Zagros fold-and-thrust belt (Iran). - *Tectonics*, 25/TC3002: 1-21. [06058]
- BARD, E.** (2006) - L'Europe du Nord se réchauffera moins qu'elle ne le devrait. - *La recherche*, 399: 62. [06090]
- BARD, E.** (Dir.) (2006) - *L'Homme face au climat.* - Collège de France, Odile Jacob. - , 448 p. [06091]
- BARD, E.** (2006) - *L'Homme et le climat, une liaison dangereuse.* - Gallimard. - 128 p. [06092]
- BARD, E.** (2006) - La tentation de refroidir la planète. - *Le Monde*, 1-2 Octobre 2006: 18. [06095]
- BARD, E.** (2006) - Variations climatiques naturelles et anthropiques. - *Géosciences*, 3: 30-35. [06017]
- BARD, E.** (2006) - Préface. In: Lambert, G., Chappellaz, J., Foucher, J.P., et al. (Eds) - *Le méthane et le destin de la terre. Les hydrates de méthane : rêve ou cauchemar ?*: 5-11. - EDP Sciences. [06148]
- BARD, E., FRANK, M.** (2006) - Climate change and solar variability: what's new under the Sun. - *Earth and Planetary Science Letters*, 248: 1-14. [06096]
- BARD, E., ROSTEK, F., MENOT-COMBES, G.** (2006) - Chronologie des variations climatiques rapides pendant la dernière période glaciaire. - *Comptes Rendus Palevol*, 5: 13-19. [06021]
- BASIC, N., KELLER, C., FONTANILLAS, P., VITTOZ, P., BESNARD, G., GALLAND, N.** (2006) - Cadmium hyperaccumulation and reproductive traits in natural *Thlaspi caerulescens* populations. - *Plant Biology*, 8: 64-72. [06023]
- BASIC, N., SALAMIN, KELLER, C., GALLAND, N., BESNARD, G.** (2006) - Cadmium hyperaccumulation and genetic differentiation of *Thlaspi caerulescens* populations. - *Biochemical Systematics and Ecology*, 34: 667-677. [06102]
- BASILE-DOELSCH, I.** (2006) - Si stable isotopes in the Earth's surface: A review. - *Journal of Geochemical Exploration*, 88/1-3: 252-256. [06040]

- BAYER, R., CHERY, J., TATAR, M., VERNANT, P., ABBASSI, M.R., MASSON, F., NILFOROUSHAN, F., DOERFLINGER, E., **REGARD, V., BELLIER, O.** (2006) - Active deformation in Zagros-Makran transition zone inferred from GPS measurements. - *Geophysical Journal International*, 165: 373-381. [06009]
- BELLIER, O.**, SEBRIER, M., SEWARD, D., BEAUDOUIN, T., VILLENEUVE, M., PUTRANO, E. (2006) - Fission track and fault kinematics analyses for new insight into the Late cenozoic tectonic regime changes in West-Central Sulawesi (Indonesia). - *Tectonophysics*, 413: 201-220. [06007]
- BERNHARD, P., MAUL, J., BERG, T., WEGELIN, F., OTT, U., SUDEK, C., SPIECKER, H., **MERCHEL, S.**, SCHONHENSE, G. (2006) - Nondestructive full-field imaging XANES-PEEM analysis of cosmic grains. - *Physical Review B*, 74/075401: 1-8. [06130]
- BEAUVAIS, A.** (2006) - Altérations latéritiques, cuirassement ferrugineux, évolution morphoclimatique. Structure géoélectrique des altérations latéritiques et morphogénèse. Géochronologie des altérations latéritiques. - Université Paul Cézanne: Thèse d'habilitation à diriger des recherches. [06116]
- BLANCHET, C.L., THOUVENY, N., GARIDEL-THORON de, T.** (2006) - Evidence for multiple paleomagnetic intensity lows between 30 and 50 ka BP from a western Equatorial Pacific sedimentary sequence. - *Quaternary Science Reviews*, 25: 1039-1052. [06022]
- BLARD, P.H., BOURLES, D.**, LAVE, J., PIK, R. (2006) - Applications of ancient cosmic-ray exposures: Theory, techniques and limitations. - *Quaternary Geochronology*, 1: 59-73. [06086]
- BLARD, P.H.**, PIK, R., LAVE, J., **BOURLES, D.**, BURNARD, P.G., YOKOCHI, R., MARTY, B., TRUSDELL, F. (2006) - Cosmogenic ³He production rates revisited from evidences of grain size dependent release of matrix-sited helium. - *Earth and Planetary Science Letters*, 247/3-4: 222-235. [06070]
- BORBA-ROSCHEL, M., **ALEXANDRE, A.**, VARAJAO, A.F.D.C., **MEUNIER, J.D.**, VARAJAO, C.A.C., COLIN, F. (2006) - Phytoliths as indicators of pedogenesis and paleoenvironmental changes in Brazilian cerrado. - *Journal of Geochemical Exploration*, 88/1-3: 172-176. [06033]
- BOTTERO, J.Y., ROSE, J.**, WIESNER, M.R. (2006) - Nanotechnologies: Tools for sustainability in a new wave of water treatment processes. - *Integrated Environmental Assessment and Management*, 2/4: 391-395. [06190]
- BRANT, J.A., **LABILLE, J., BOTTERO, J.Y.**, WIESNER, M.R. (2006) - Characterizing the impact of preparation method on Fullerene cluster structure and chemistry. - *Langmuir*, 22: 3878-3885. [06107]
- BRAUCHER, R., BLARD, P.H., BENEDETTI, L., BOURLES, D.L.** (2006) - Extending ¹⁰Be applications to carbonate-rich and mafic environments. - *GSA Special Paper*, 415: 17-28. [06160]
- BRECHIGNAC, F., **BOTTERO, J.Y.** (Eds) (2005) - Gestion des risques et vulnérabilité des territoires. Séminaire IFR 112-IRSN, 2 juin 2005. - IRSN. - , 1CD+86 p.- (Actes de séminaire IRSN ; 2006/70). [08.104]
- BREWER, S., HELY-ALLEAUME, C., CHEDDADI, R., BEAULIEU de, J.L., LAURENT, J.M., LE CUZIAT, J.** (2006) - Postglacial history of atlantic oakwoods : context, dynamics and controlling factors. - *Botanical Journal of Scotland*, 57/1+2: 41-57. [06178]
- BRUNEL, C., **SABATIER, F.** (2006) - Recul du rivage et montée de la mer sur les plages contrôlées par la houle et sur les plages de poche. In: IX^e Journées Nationales Génie Civil - Génie Côtier, 12-14 septembre 2006, Brest: 391-399. [06183]
- CAMOIN, G.F., GAUTREB, P.** (2006) - Microbialites and microbial communities: Biological diversity, biogeochemical functioning, diagenetic processes, tracers of environmental changes. - *Sedimentary Geology*, 185: 126-130.<http://hal-insu.archives-ouvertes.fr/hal-00091718/fr/> [06189]
- CARY, L., TROLARD, F.** (2006) - Effects of irrigation on geochemical processes in a paddy soil and in ground waters in Camargue (France). - *Journal of Geochemical Exploration*, 88/1-3: 177-180. [06034]
- CASQUILHO, J.P., **VERON, A.**, MARTINS, A.F. (2006) - NMR spectra simulation of the magnetic reorientation of alyotropic nematic polymer cell in the Freedericksz and a non-Freedericksz twist geometry. - *Modelling and simulation in materials science and engineering*, 14/2 : 299-312. [06***]

- CHARDON, D., CHEVILLOTTE, V.** (2006) - Morphotectonique evolution of the New Caledonia ridge (Pacific Southwest) from post-obduction tectonosedimentary record. - *Tectonophysics*, 420: 473-491. [06132]
- CHARDON, D., CHEVILLOTTE, V., BEAUVAIS, A., GRANDIN, G., BOULANGE, B.** (2006) - Planation, bauxites and epeirogeny: One or two paleosurfaces on the West African margin. - *Geomorphology*, 82: 273-282. [06177]
- CHAURAND, P., ROSE, J., DOMAS, J., BOTTERO, J.Y.** (2006) - Speciation of Cr and V within BOF steel slag reused in road constructions. - *Journal of Geochemical Exploration*, 88/1-3: 10-14. [06030]
- CHENNAOUI AOUJJEHANNE, H., JAMBON, A., BOUROT DENISE, M., ROCHETTE, P.** (2006) - The Benguerir meteorite: Report and description of a new Moroccan fall. - *Meteoritics & Planetary Science*, 41/8, Supplement: 1-7. [06097]
- CHEVILLOTTE, V., CHARDON, D., BEAUVAIS, A., MAURIZOT, P., COLIN, F.** (2006) - Long-term tropical morphogenesis of New Caledonia (Southwest Pacific): Importance of positive epeirogeny and climate change. - *Geomorphology*, 81: 361-375. [06134]
- CHEVRIER, V., MATHE, P.E., ROCHETTE, P., GRAUBY, O., BOURRIE, G., TROLARD, F.** (2006) - Iron weathering products in a CO₂=(H₂O or H₂O₂) atmosphere: Implications for weathering processes on the surface of Mars. - *Geochimica et Cosmochimica Acta*, 70: 4295-4317. [06066]
- CHEVRIER, V., MATHE, P.E., ROCHETTE, P., GUNNLAUGSSON, H.P.** (2006) - Magnetic study of an Antarctic weathering profile on basalt: Implications for recent weathering on Mars. - *Earth and Planetary Science Letters*, 244: 501-514. [06019]
- CHEVRIER, V., ROY, R., LE MOUELIC, S., BORSCHNECK, D., MATHE, P.E., ROCHETTE, P.** (2006) - Spectral characterization of weathering products of elemental iron in a Martian atmosphere: Implications for Mars hyperspectral studies. - *Planetary and Space Science*, 54: 1034-1045. [06067]
- CONLEY, D.J., SOMMER, M., MEUNIER, J.D., KACZOREK, SACONNE, L.** (2006) - Silicon in the terrestrial biogeosphere. In: Ittekkot, V., Unger, D., Humborg, C., et al. (Eds.) - *The Silicon Cycle. SCOPE 66: Human perturbations and impacts on aquatic systems*: 13-28. - Washington: Island Press. [06162]
- CONSOLMAGNO, G.J., MACKE SJ, R.J., ROCHETTE, P., BRITT, D.T., GATTACCECA, J.** (2006) - Density, magnetic susceptibility, and the characterization of ordinary chondrite falls and showers. - *Meteoritics & Planetary Science*, 41/3: 331-342. [06015]
- COSIO, C., VOLLENWEIDER, P., KELLER, C.** (2006) - Localization and effects of cadmium in leaves of a cadmium-tolerant willow (*Salix viminalis* L.). I. Macrolocalization and phytotoxic effects of cadmium. - *Environmental and Experimental Botany*, 58: 64-74. [06100]
- CRISPIN, J., ALEXANDRE, A., SONZOGNI, C., SYLVESTRE, F.** (2006) - A new protocol for oxygen isotope analysis of authigenic and biogenic fine silica grains using laser-extraction technique. - *Journal of Geochemical Exploration*, 88/1-3: 423-426. [06044]
- D'ORAZIO, M., FOLCO, L., WELTEN, K.C., CAFFEE, M.W., PERCHIAZZI, N., ROCHETTE, P.** (2006) - Miller butte 03002: a new rare iron meteorite (IID) from Antarctica. - *European Journal of Mineralogy*, 18: 727-738. [06149]
- DELMONTE, B., PETIT, J.R., BASILE-DOELSCH, I., JAGOUTZ, E., MAGGI, V.** (2006) - Late Quaternary interglacials in East Antarctica from ice core dust records. In: Siroko, F., Litt, T., Claussen, M. (Eds) - *The climate of past interglacials*: 53-76. - Elsevier. [06145]
- DESPLANQUES, V., CARY, L., MOURET, J.C., TROLARD, F., BOURRIE, G., GRAUBY, O., MEUNIER, J.D.** (2006) - Silicon transfert in a rice field in Camargue. - *Journal of Geochemical Exploration*, 88/1-3: 190-193. [06035]
- DEVILLERS, B., PROVANSAL, M., MORHANGE, C.** (2006) - Morphogenèse et détritisme holocène en milieu semi-aride : le bassin versant du Gialias (Chypre). In: Allée, P., Lespez, L. (Eds) - *L'érosion. Entre société, climat et paléoenvironnement. Table ronde en l'honneur du Professeur René Neboit-Guilhot, Clermont -Ferrand, 25 au 27 mars 2004*: 407-414. - Presses Universitaires Blaise Pascal. - (Nature et Sociétés). [06053]

- DOELSCH, E., **BASILE-DOELSCH, I., ROSE, J., MASION, A., BORSCHNECK, D., HAZEMANN, J.L., SAINT MACARY, H., BOTTERO, J.Y.** (2006) - New combination of EXAFS spectroscopy and density fractionation for the speciation of Chromium within and andosol. - *Environmental Science & Technology*, 40: 7602-7608. [06147]
- DURAND, N., AHMAD, S.M., **HAMELIN, B., GUNNELL, Y., CURMI, P.** (2006) - Origin of Ca in South Indian calcretes developed on metamorphic rocks. - *Journal of Geochemical Exploration*, 88/1-3: 275-278. [06041]
- FACCENNA, C., **BELLIER, O., MARTINOD, J., PIROMALLO, C., REGARD, V.** (2006) - Slab detachment beneath eastern Anatolia: A possible cause for the formation of the North Anatolian fault. - *Earth and Planetary Science Letters*, 242: 85-97. [06006]
- FINIZOLA, A., **REVIL, A., RIZZO, E., PISCITELLI, S., RICCI, T., MORIN, J., ANGELETTI, B., MOCOCHAIN, L., SORTINO, F.** (2006) - Hydrogeological insights at Stromboli volcano (Italy) from geoelectrical, temperature, and CO₂ soil degassing investigations. - *Geophysical Research Letters*, 33/L17304: 1-4. [06063]
- FOLCO, L., **ROCHETTE, P., GATTACCECA, J., PERCHIAZZI, N.** (2006) - In situ identification, pairing, and classification of meteorites from Antarctica through magnetic susceptibility measurements. - *Meteoritics & Planetary Science*, 41/3: 343-353. [06016]
- FRAYSSE, F., CANTAIS, F., POKROVSKY, O.S., SCHOTT, J., **MEUNIER, J.D.** (2006) - Aqueous reactivity of phytoliths and plant litter: Physico-chemical constraints on terrestrial biogeochemical cycle of silicon. - *Journal of Geochemical Exploration*, 88/1-3: 202-205. [06037]
- FRAYSSE, F., POKROVSKY, O.S., SCHOTT, J., **MEUNIER, J.D.** (2006) - Surface properties, solubility and dissolution kinetics of bamboo phytoliths. - *Geochimica et Cosmochimica Acta*, 70: 1939-1951. [06028]
- GARCIA-GARCIA, A., ORANGE, D., LORENSON, T., **RADAKOVITCH, O., TESI, T., MISEROCCHI, S., BERNE, S., FRIEND, P.L., NITTROUER, C., NORMAND, A.** (2006) - Shallow gas off the Rhône prodelta, Gulf of Lions. - *Marine Geology*, 234/5-6: 215-232. [06153]
- GARCIN, Y., VINCENS, A., WILLIAMSON, D., GUIOT, J., BUCHET, G.** (2006) - Wet phases in tropical southern Africa during the last glacial period. - *Geophysical Research Letters*, 33/L07703: 1-4. [06013]
- GARCIN, Y., WILLIAMSON, D., TAIEB, M., VINCENS, A., MATHE, P.E., MAJULE, A.** (2006) - Centennial to millennial changes in maar-lake deposition during the last 45,000 years in tropical Southern Africa (Lake Masoko, Tanzania). - *Palaeogeography Palaeoclimatology Palaeoecology*, 239: 334-354. [06062]
- GARNIER, J.M., CIFFROY, P., BENYAHYA, L.** (2006) - Implications of short and long-term (30 days) sorption on the desorption kinetic of trace metals (Cd, Zn, Co, Mn, Fe, Ag, Cs) associated with river suspended matter. - *Science of the Total Environment*, 366: 350-360. [06166]
- GASSE, F.** (2006) - Climate and hydrological changes in tropical Africa during the past million years. - *Comptes Rendus Palevol*, 5/1-2: 35-44. [06127]
- GATTACCECA, J., BOUSTIE, M., WEISS, B.P., ROCHETTE, P., LIMA, E.A., FONG, L.E., BAUDENBACHER, F.J.** (2006) - Investigating impact demagnetization through laser impacts and SQUID microscopy. - *Geology*, 34/5: 333-336. [06048]
- GAUFFRES, P., **SABATIER, F.** (2006) - Extrem storm surges distributions and practical applications at Marseilles (France). In: *The 7th International Conference on Hydroinformatics Advanced applications of modelling*, 4-8 September 2006, Nice, France: 1601-1608. [06113]
- HAMMER, D., **KELLER, C., McLAUGHLIN, J., HAMON, R.** (2006) - Fixation of metals in soil constituents and potential remobilization by hyperaccumulating and non-hyperaccumulating plants: Results from an isotopic dilution study. - *Environmental Pollution*, 143: 407-415. [06049]
- HANSEN, J.W., CHALLINOR, A., INES, A., WHEELER, T., **MORON, V.** (2006) - Translating climate forecasts into agricultural terms: advances and challenges. - *Climate Research*, 33: 27-41. [06144]

- HELY, C., ALLEAUME, S.** (2006) - Fire regimes in dryland landscapes. In: D'Odorico, P., Porporato, A. (Eds) - Drylands ecohydrology: 283-301. - The Netherlands: Kluwer Academic. [06109]
- HELY, C., BREMOND, L., ALLEAUME, S., SMITH, B., SYKES, M.T., GUIOT, J.** (2006) - Sensitivity of african biomes to changes in the precipitation regime. - *Global Ecology and Biogeography*, 15: 258. [06079]
- HILL, T.M., KENNETT, J.P., PAK, D.K., BEHL, R.J., **ROBERT, C., BEAUFORT, L.** (2006) - Pre-Bolling warming in Santa Barbara Basin, California: surface and intermediate water records of early deglacial warmth. - *Quaternary Science Reviews*, 25: 2835-2845. [06157]
- HILL, T.M., KENNETT, J.P., VALENTINE, D.L., YANG, Z., REDDY, C.M., NELSON, R.K., BEHL, R.J., **ROBERT, C., BEAUFORT, L.** (2006) - Climatically driven emissions of hydrocarbons from marine sediments during deglaciation. - *Proceedings of the National Academy of Science*, 103/37: 13570-13574. [06163]
- HIPPOLYTE, J.C., BROCARD, G., TARDY, M., NICOUD, G., **BOURLES, D., BRAUCHER, R., MENARD, G., SOUFFACHE, B.** (2006) - The recent fault scarps of the Western Alps (France): Tectonic surface ruptures or gravitational sacking scarps? A combined mapping, geomorphic, levelling, and ¹⁰Be dating approach. - *Tectonophysics*, 418: 255-276. [06026]
- JARDANI, A., **REVIL, A., ALKOA, F., SCHMUTZ, M., FLORSCH, N., DUPONT, J.P.** (2006) - Least squares inversion of self-potential (SP) data and application to the shallow flow of ground water in sinkholes. - *Geophysical Research Letters*, 33/L19306: 1-5. [06128]
- JARDANI, A., **REVIL, A., DUPONT, J.P.** (2006) - Self-potential tomography applied to the determination of cavities. - *Geophysical Research Letters*, 33/L13401: 1-4. [06057]
- JAYANANDA, M., **CHARDON, D., PEUCAT, J.J., CAPDEVILA, R.** (2006) - 2.61 Ga potassic granites and crustal reworking in the western Dharwar craton, southern India: Tectonic, geochronologic and geochemical constraints. - *Precambrian Research*, 150: 1-26. [06133]
- JIANG, W., GUO, Z., SUN, X., WU, H., CHU, G., YUAN, B., HATTE, C., **GUIOT, J.** (2006) - Reconstruction of climate and vegetation changes of Lake Bayanchagan (Inner Mongolia): Holocene variability of the East Asian monsoon. - *Quaternary Research*, 65: 411. [06080]
- JOIN, J.L., ROBINEAU, B., **AMBROSI, J.P.** (2006) - Système hydrogéologique d'un massif minier ultrabasique de Nouvelle-Calédonie. - *Comptes Rendus Geoscience*, 337/16: 1500-1508. [06139]
- KAGEYAMA, M., LAINE, A., ABE-OUCHI, A., BRACONNOT, P., CORTIJO, E., CRUCIFIX, M., VERNAL de, A., **GUIOT, J., HEWITT, C.D., KITOH, A., KUCERA, M., MARTI, O., OHGAI, R., OTTO-BLIESNER, B., PELTIER, W.R., ROSELL-MELE, A., VETTORETTI, G., WEBER, S.L., YU, Y., MARGO Project members** (2006) - Last Glacial Maximum temperatures over the North Atlantic, Europe and western Siberia: a comparison between PMIP models, MARGO sea-surface temperatures and pollen-based reconstructions. - *Quaternary Science Reviews*, 25: 2082-2102. [06167]
- KEENE, W.C., LOBERT, J.L., CRUTZEN, P.J., MABEN, P.J., SCHARFFE, J.R., LANDMANN, T., **HELY, C., BRAIN, C.** (2006) - Emissions of major gaseous and particulate species during experimental burns of southern african biomass. - *Journal of Geophysical Research*, 111/D04301: 1-18. [06111]
- KELLER, C.** (2006) - Efficiency and limitations of phytoextraction by high biomass plants: the example of willows. In: Prasad, M.N.V., Ravi Naidou, Sajwan, K.S. (Eds) - Trace elements in the environment: biogeochemistry, biotechnology, and bioremediation: 611-630. - CRC Press. [06087]
- KELLER, C., DIALLO, S., COSIO, C., BASIC, N., GALLAND, N.** (2006) - Cadmium tolerance and hyperaccumulation by *Thlaspi caerulescens* populations grown in hydroponics are related to plant uptake characteristics in the field. - *Functional Plant Biology*, 33: 673-684. [06056]
- KIDANE, T., PLATZMAN, E., EBINGER, C., ABEBE, C., **ROCHETTE, P.** (2006) - Paleomagnetism constraints on continental break-up processes: observations from the Main Ethiopian Rift. In: Yirgu, G., Ebinger, C.J., Maguire, P.K.H. (Eds) - The Afar volcanic Province within the East African Rift System: 165-183 p. - London: The Geological Society - Geological Society, London, Special Publications ; 259). [06173]

- LABILLE, J., BRANT, J.A., VILLIERAS, F., PELLETIER, M., THILL, A., MASION, A., WIESNER, M.R., BOTTERO, J.Y., ROSE, J.** (2006) - Affinity of C60 Fulleren with water. - *Fullerenes, Nanotubes, and Carbon Nanostructures*, 14: 307-314. [06108]
- LAMBERT, A., REY, V., SAMAT, O., PROVANSAL, M.** (2006) - Watertable monitoring on a beach equipped with a dewatering system: relationship between watertable elevation and beach morphology, preliminary results. In: Parker, G.G., M.H. (Ed.) - *River, coastal and Estuarine morphodynamics: RCEM 2005: 365-375*. - London: Taylor & Francis. - (Proceedings of the 4th IAHR Symposium on River, Coastal and Estuarine Morphodynamics, 4-7 October 2005, Urbana, Illinois, USA). [06077]
- LASLANDES, B., SYLVESTRE, F., SIFEDDINE, A., TURCQ, B., ALBUQUERQUE, A.L., ABRAO, J.** (2006) - Enregistrement de la variabilité hydroclimatique au cours des 6500 dernières années sur le littoral de Cabo Frio (Rio de Janeiro, Brésil). - *Comptes Rendus Geoscience*, 338: 667-6675. [06078]
- LEDUC, G., THOUVENY, N., BOURLES, D.L., BLANCHET, C.L., CARCAILLET, J.T.** (2006) - Authigenic ¹⁰Be/⁹Be signature of the Laschamp excursion: A tool for global synchronisation of paleoclimatic archives. - *Earth and Planetary Science Letters*, 245: 19-28. [06025]
- LINDE, N., BINLEY, A., TRYGGVASON, A., PEDERSEN, L.B., REVIL, A.** (2006) - Improved geophysical characterization using joint inversion of cross-hole electrical resistance and ground-penetrating radar traveltime data. - *Water Resources Research*, 42/W12404: 1-16. [06171]
- LEROY, P., REVIL, A., COELHO, D.** (2006) - Diffusion of ionic species in bentonite. - *Journal of Colloid and Interface Science*, 296: 248-255. [06020]
- LUTERBACHER, J. et al., dont GUIOT, J.** (2006) - Mediterranean Climate Variability Over the Last Centuries: a Review. In: Lionello, P., Malanotte-Rizzoli, P., Boscolo, R. (Eds) - *The Mediterranean Climate: an overview of the main characteristics and issues: 27-48*. - Amsterdam: Elsevier. [06106]
- MADELLA, M., ALEXANDRE, A., BALL, T.** (2006) - International Code for phytolith nomenclature 1.0. - *Annals of Botany*, 96: 253-260. [06084]
- MAILLET, G.M., SABATIER, F., ROUSSEAU, D., PROVANSAL, M., FLEURY, J.** (2006) - Connections entre le Rhône et son delta (partie 1) : évolution du trait de côte du delta du Rhône depuis le milieu du XIX^e siècle. Connections between the Rhône River and its delta (part 1): changes in the Rhône delta coastline since the mid-19th century. - *Geomorphologie*, 2: 111-124. [06068]
- MAILLET, G.M., VELLA, C., PROVANSAL, M., SABATIER, F.** (2006) - Connections entre le Rhône et son delta (partie 2) : évolution de l'embouchure du Rhône depuis le début du XVIII^e siècle. Connections between the Rhône River and its delta (part 2): changes in the Rhône River mouth since the beginning of the 18th century. - *Geomorphologie*, 2: 125-140. [06069]
- MAILLET, G.M., VELLA, C., BERNE, S., FRIEND, P.L., AMOS, C.L., FLEURY, T.J., NORMAND, A.** (2006) - Morphological changes and sedimentary processes induced by the december 2003 flood event at the present mouth of the Grand Rhône River (southern France). - *Marine Geology*, 234/1-4: 159-177. [06141]
- MARRINER, N., MORHANGE, C.** (2006) - Geoarchaeological evidence for dredging in Tyre's ancient harbour, Levant. - *Quaternary Research*, 65: 164-171. [06003]
- MARRINER, N., MORHANGE, C.** (2006) - Paleoenvironmental evolution of Tyre's ancient northern harbour AIST and UNESCO CPM projects. In: Allée, P., Lespez, L. (Eds) - *L'érosion. Entre société, climat et paléoenvironnement. Table ronde en l'honneur du Professeur René Neboit-Guilhot, Clermont -Ferrand, 25 au 27 mars 2004: 467-472*. - Presses Universitaires Blaise Pascal. - (Nature et Sociétés). [06051]
- MARRINER, N., MORHANGE, C.** (2006) - The 'Ancient Harbour Parasequence' : Anthropogenic forcing of the stratigraphic highstand record. - *Sedimentary Geology*, 186: 13-17. [06014]
- MARRINER, N., MORHANGE, C.** (2006) - Sidon's ancient harbours. - *Archaeology and History in the Lebanon*, 24: 138-149. [06120]

- MARRINER, N., MORHANGE, C., DOUMET-SERHAL, C.** (2006) - Geoarchaeology of Sidon's ancient harbours, Phoenicia. - *Journal of Archaeological Science*, 33: 1514-1535. [06071]
- MARRINER, N., MORHANGE, C., DOUMET-SERHAL, C., CARBONEL, P.** (2006) - Geoscience rediscovers Phoenicia's buried harbours. - *Geology*, 34/1: 1-4. [06002]
- MATHE, V., LEVEQUE, F., MATHE, P.E., CHEVALLIER, C., PONS, Y.** (2006) - Soil anomaly mapping using a caesium magnetometer : limits in the low magnetic amplitude case. - *Journal of Applied Geophysics*, 58: 202-217. [06114]
- MENOT, G., BARD, E., ROSTEK, F., WEIJERS, J.W.H., HOPMANS, E.C., SCHOUTEN, S., SINNINGHE DAMSTE, J.S.** (2006) - Early reactivation of european rivers during the last deglaciation. - *Science*, 313: 1623. [06088]
- MEUNIER, J.D., KELLER, C., RADAKOVITCH, O., ROSE, J.** (Eds) (2006) - Extended abstracts presented at the 7th Symposium on the Geochemistry of the Earth's Surface (GES-7). - Elsevier. - , 462 p.- (Journal of Geochemical Exploration Special Issue ; 88/1-3). [06000]
- MIRALLES, J., ARNAUD, O., RADAKOVITCH, O., MARION, C., CAGNAT, X.** (2006) - Radionuclide deposition in the Rhône River Prodelta (NW Mediterranean Sea) in response to the December 2003 extreme flood. - *Marine Geology*, 234/5-6: 179-189. [06152]
- MIRALLES, J., VERON, A.J., RADAKOVITCH, O., DESCHAMPS, P., TREMBLAY, T., HAMELIN, B.** (2006) - Atmospheric lead fallout over the last century recrded in Gulf of Lions sediments (Mediterranean Sea). - *Marine Pollution Bulletin*, 52: 1364-1371. [06135]
- MOCOCHAIN, L., CLAUZON, G., BIGOT, J.Y., BRUNET, P.** (2006) - Geodynamic evolution of the peri-Mediterranean karst during the Messinian and the Pliocene: evidence from the Ardèche and Rhône Valley systems canyons, Southern France. - *Sedimentary Geology*, 188-189: 219-233. [06029]
- MOCOCHAIN, L., BIGOT, J.Y., CLAUZON, G., FAVERJON, M., BRUNET, P.** (2006) - La grotte de Saint-Marcel (Ardèche) : un référentiel pour l'évolution des endokarsts méditerranéens depuis 6 Ma. - *Karstologia*, 48: 33-50. [06165]
- MORAN, K., BACKMAN, J., BRINKHUIS, H., CLEMENS, S.C., CRONIN, T., DICKENS, G.R., EYNAUD, F., GATTACCECA, J., et al.** (2006) - The Cenozoïque paleoenvironment of the Arctic Ocean. - *Nature*, 441/7093: 601-605. [06046]
- MORHANGE, C., HAMDAN-TAHA, M., HUMBERT, J.B.** (2006) - La mobilité des paysages de Gaza depuis l'âge du Bronze. Etat de la question et premières pistes de recherche. In: Allée, P., Lespez, L. (Eds) - *L'érosion. Entre société, climat et paléoenvironnement. Table ronde en l'honneur du Professeur René Neboit-Guilhot, Clermont -Ferrand, 25 au 27 mars 2004*: 383-390. - Presses Universitaires Blaise Pascal. - (Nature et Sociétés). [06052]
- MORHANGE, C., MARRINER, N., LABOREL, J., TODESCO, M., OBERLIN, C.** (2006) - Rapid sea-level movements and nonruptive crustal deformations in the Phlegrean Fields caldera, Italy. - *Geology*, 34/2: 93-96. [06008]
- MORHANGE, C., MARRINER, N., PIRAZZOLI, P.A.** (2006) - Evidence of Late-Holocene tsunami events in Lebanon. - *Zeitschrift für Geomorphologie. Supplement*, 146: 81-95. [06150]
- MORHANGE, C., PIRAZZOLI, P.A., MARRINER, N., MONTAGGIONI, L.F., NAMMOUR, T.** (2006) - Late Holocene relative sea-level changes in Lebanon, East Mediterranean. - *Marine Geology*, 230: 99-114. [06061]
- MORON, V., ROBERTSON, A.W., WARD, M.N.** (2006) - Seasonal predictability and spatial coherence of rainfall characteristics in the tropical setting of Senegal. - *Monthly Weather Review*, 134: 3248-3262. [06121]
- MORON, V.** (2006) - Erratum : Relationship between sea-level pressure and sea-level height in the Camargue (French Mediterranean Coast). - *International Journal of Climatology*, 26: 987. [06138]
- NGAKO, V., NJONFANG, E., AKA, F.T., AFFATON, P., NNANGE, J.M.** (2006) - The North-South Paleozoic to Quaternary trend of alkaline magmatism from Niger-Nigeria to Cameroon: Complex interaction between hotspots and Precambrian faults. - *Journal of African Earth Sciences*, 45: 241-256. [06082]

- NJANKO, T., NEDELEC, A., **AFFATON, P.** (2006) - Synkinematic high-K calc alkaline plutons associated with Pan-African Cameroon shear zone (W-Tibati area): Petrology and geodynamic significance. - *Journal of African Earth Sciences*, 44: 494-510. [06081]
- NJONFANG, E., NGAKO, V., KWEKAM, M., **AFFATON, P.** (2006) - Les orthogneiss calco-alcalins de Fouban-Bankim : témoins d'une zone interne de marge active panafricaine en cisaillement. - *Comptes Rendus Geoscience*, 338: 606-616. [06083]
- OLLIVIER, P., RADAKOVITCH, O., HAMELIN, B.** (2006) - Unusual variations of dissolved As, Sb and Ni in the Rhône River during flood events. - *Journal of Geochemical Exploration*, 88/1-3: 394-398. (06043)
- PAILLOU, P., REYNARD, B., MALEZIEUX, J.M., DEJAX, J., HEGGY, E., **ROCHETTE, P.**, REIMOLD, W.U., MICHEL, P., BARATOUX, D., RAZIN, P., COLIN, J.P. (2006) - An extended field of crater-shaped structures in the Gilf Kebir region, Egypt: Observations and hypotheses about their origin. - *Journal of African Earth Sciences*, 46: 281-299. [06085]
- PALLAS, R., RODES, A., **BRAUCHER, R., CARCAILLET, J.**, ORTUNO, M., BORDONAU, J., **BOURLES, D.**, VILAPLANA, J.M., MASANA, E., SANTANACH, P. (2006) - Late Pleistocene And Holocene glaciation in the Pyrenees: A critical review and new evidence from ¹⁰Be exposure ages, south-central Pyrenees. - *Quaternary Science Reviews*, 25: 2937-2963. [06180]
- PERRIER, N., AMBROSI, J.P.**, COLIN, F., GILKES, R.J. (2006) - Biogeochemistry of a regolith: The New Caledonian Koniambo ultramafic massif. - *Journal of Geochemical Exploration*, 88/1-3: 54-58. [06031]
- PERRIER, N.**, AMIR, H., COLIN, F. (2006) - Occurrence of mycorrhizal symbioses in the metal-rich lateritic soils of the Koniambo Massif, New Caledonia. - *Mycorrhiza*, 16: 449-458.-DOI:10.1007/s00572-006-0057-6. [06173]
- PEYRON, O.**, JOLLY, D., BRACONNOT, P., **BONNEFILLE, R., GUIOT, J.**, WIRRMANN, D., **CHALIE, F.** (2006) - Quantitative reconstructions of annual rainfall in Africa 6000 years ago: Model data comparison. - *Journal of Geophysical Research*, 111/D24110: 1-9. [06181]
- RACCASI, G., PROVANSAL, M.** (2006) - Conséquences des aménagements sur la morphologie du Rhône à l'aval de Beaucaire. - *Archives des Sciences*, 59: 161-172. [06187]
- REGARD, V., BELLIER, O., BRAUCHER, R., GASSE, F., BOURLES, D.**, MERCIER, J., THOMAS, J.C., ABBASSI, M.R., **SHABANIAN, E.**, SOLEYMANI, S. (2006) - ¹⁰Be dating of alluvial deposits from Southeastern Iran (the Hormoz Strait area). - *Palaeogeography Palaeoclimatology Palaeoecology*, 242: 36-53. [06137]
- REIMER, P.J., BAILLIE, M.G.L., McCORMAC, G., REIMER, R.W., **BARD, E.**, BECK, J.W., BLACKWELL, P.G., BUCK, C.E., BURR, G.S., EDWARDS, R.L., FRIEDRICH, M., GUILDERSON, T.P., HOGG, A.G., HUGHEN, K.A., KROMER, B., MANNING, S., SOUTHON, J.R., STUIVER, M., VAN DER PLICHT, J., WEYHENMEYER, C.E. (2006) - Comment on "Radiocarbon calibration curve spanning 0 to 50,000 years B.P. based on paired ²³⁰Th/²³⁴U/²³⁸U and ¹⁴C 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. [06093]
- REIMER, P.J., **BARD, E.**, BUCK, C.E., GUILDERSON, T.P., HOGG, A.G., HUGHEN, K.A., KROMER, B., REIMER, R.W., SOUTHON, J.R., TURNEY, C.S.M., VAN DER PLICHT, J., WEYHENMEYER, C.E., RAMSEY, C.B. (2006) - IntCal and the future of radiocarbon calibration. - *PAGES News*, 14/3: 9-10. [06158]
- REVEL-ROLLAND, M., **DE DECKER, P.**, DELMONTE, B., HESSE, P.P., MAGEE, J.W., **BASILE-DOELSCH, I.**, GROUSSET, F., BOSCH, D. (2006) - Eastern Australia: A possible source of dust in East Antarctica interglacial ice. - *Earth and Planetary Science Letters*, 249/1: 1-13. [06105]
- REVIL, A.**, LINDE, N. (2006) - Chemico-electromechanical coupling in microporous media. - *Journal of Colloid and Interface Science*, 302: 682-694. (06099)
- REVIL, A., LEROY, P.**, GHORBANI, A., FLORSCH, N., NIEMEIJER, A.R. (2006) - Compaction of quartz sands by pressure solution using a Cole-Cole distribution of relaxation times. - *Journal of Geophysical Research*, 111/B09205: 1-11.- doi 10.1029/2005jb004151, 2006. [06172]

- RIETMEIJER, F.J.M., NUTH, J.A., **ROCHETTE, P.**, MARFAING, J., PUN, A., KARNER, M. (2006) - Deep metastable eutectic condensation in Al-Fe-SiO₂-H₂O vapors: Implications for natural Fe-aluminosilicates. - *American Mineralogist*, 91: 1688-1698. [06098]
- RITZ, J.F., VASSALLO, R., **BRAUCHER, R.**, BROWN, E.T., CARRETIER, S., **BOURLES, D.L.** (2006) - Using in-situ-produced ¹⁰Be to quantify active tectonics in the Gurvan Bogd mountain range (Gobi-Altay, Mongolia). - *GSA Special Paper*, 415: 87-110. [06161]
- ROBERT, C.**, DEGIOVANNI, C., JAUBERT, R., LEROY, V., REYSS, J.L., SALIEGE, J.F., **THOUVENY, N.**, VERNAL de, A. (2006) - Variability of sedimentation and environment in the Berre coastal lagoon (SE France) since the first millenium: Natural and anthropogenic forcings. - *Journal of Geochemical Exploration*, 88/1-3: 440-444. [06045]
- ROCHETTE, P.** (2006) - Crustal magnetization of Mars controlled by lithology or cooling rate in reversing dynamo. - *Geophysical Research Letters*, 33/L02202: 1-4. [06005]
- ROCHETTE, P.**, GATTACCECA, J., CHEVRIER, V., MATHE, P.E., MENVIELLE, M., and the MAPPA SCIENCE TEAM (2006) - Magnetism, iron minerals, and life on Mars. - *Astrobiology*, 6/3: 423-436. [06054]
- ROSE, J.**, BENARD, A., EL MRABET, S., MASIION, A., BRIOIS, V., OLIVI, L., **BOTTERO, J.Y.** (2006) - Evolution of iron speciation during hydration of C4AF. - *Waste Management*, 26: 720-724. [06170]
- ROSENTHAL, Y., **GARIDEL-THORON de, T.**, **BEAUFORT, L.** (Eds) (2006) - Late Quaternary paleoceanography of the northwestern Pacific: Results from IMAGES program. - - , 1-154 p.- (*Global and Planetary Change*: 53,1-2). [06184*]
- ROSENTHAL, Y., **GARIDEL-THORON de, T.**, **BEAUFORT, L.** (2006) - Editorial : Late Quaternary paleoceanography of the northwestern Pacific: Results from IMAGES program. - *Global and Planetary Change*, 53/1-2: 1-4. [06185]
- ROUSSEAU, D.D., HATTE, C., **GUIOT, J.**, DUZER, D., SCHEVIN, P., KUKLA, G. (2006) - Reconstruction of the Grande Pile Eemian using inverse modeling of biomes and δ¹³C. - *Quaternary Science Reviews*, 25: 2806-2819. [06168]
- RYNER, M.A., **BONNEFILLE, R.**, HOLMGREN, K., MUZUKA, A. (2006) - Vegetation change in Empakaai Crater, northern Tanzania, at 14,800-9300 cal yr BP. - *Review of Palaeobotany and Palynology*, 140: 163-174. [06104]
- SABATIER, F.**, PONS, F. (2006) - Analyse et interprétation des profils bathymétriques du SMNLR (2003). - CETE Méditerranée et CEREGE pour le Service Maritime et de Navigation du Languedoc-Roussillon. - 79 p. [06018]
- SABATIER, F.**, MAILLET, G., PROVANSAL, M., FLEURY, T.J., SUANEZ, S., **VELLA, C.** (2006) - Sediment budget of the Rhône delta shoreface since the middle of the 19th century. - *Marine Geology*, 234/1-4: 143-157. [06140]
- SALGADO, A.A.R., **BRAUCHER, R.**, COLIN, F., NALINI Jr, H.A., VARAJAO, A.F.D.C., VARAJAO, C.A.C. (2006) - Denudation rates of the Quadrilaeo Ferrito (Minas Gerais, Brazil): Preliminary results from measurements of solute fluxes in rivers and in situ-produced cosmogenic ¹⁰Be. - *Journal of Geochemical Exploration*, 88/1-3: 313-317. [06011]
- SAMAT, O.**, **SABATIER, F.**, **LAMBERT, A.** (2006) - Erosion of the sandy bottom in front of a seawall (Véran site, Gulf of Lions, Mediterranean coast). In: Sanchez-Arcilla, A. (Ed.) - *Coastal dynamics 2005. Proceedings of the 5th international conference, April 4-8, 2005, Barcelona, Spain*: 1-13. - ASCE. - (CD05). [06074]
- SAMMUT, M.L.**, **NOACK, Y.**, **ROSE, J.** (2006) - Zinc speciation in steel plant atmospheric emissions: A multi-technical approach. - *Journal of Geochemical Exploration*, 88/1-3: 239-242. [06038]
- SARACCO, G.**, MOREAU, F., **MATHE, P.E.**, **HERMITTE, D.**, MICHEL, J.M. (2006) - Localization and characterization of archeological objects in magnetic survey by the help of the complex wavelet transform. - *Geophysical Journal International*. [06024]
- SEBRIER, M., **SIAME, L.L.**, ZOUINE, E.M., WINTER, T., MISSENARD, Y., LETURMY, P. (2005) - Active tectonics in the Moroccan High Atlas. - *Comptes Rendus Geoscience*, 338: 65-79. [06060]

- SHUGART, H.H., CAYLOR, K.K., **HEL**Y, C., SWAP, R.J., DOWTY, P.R. (2006) - Dynamic climate and land-use change in the woodland and savanna ecosystems of subtropical Africa. In: Laurance, W.F., Pere, C.A. (Eds) - Emerging threats to tropical forests: 53-66. - Chicago: University of Chicago Press. [06110]
- SIAME, L.L., BELLIER, O., SEBRIER, M.** (2006) - Active tectonics in the Argentine precordillera and Western sierras pampeanas. - Revista de la Asociacion Geologica Argentina, 61/4: 604-619. [06174]
- SIAME, L.L., BOURLES, D.L., BROWN, E.T.** (Eds) (2006) - In-situ-produced cosmogenic nuclides and quantification of geological processes. - Boulder, USA : GSA. - Geological Society of America Special Paper ; 415. [06159]
- SIAME, L.L., SEBRIER, M., BELLIER, O., BOURLES, D.** (2006) - Can cosmic ray exposure dating reveal the normal faulting activity of the Cordillera Blanca fault, Peru? - Revista de la Asociacion Geologica Argentina, 61/4: 536-544. [06175]
- SIDDALL, M., **BARD, E.**, ROHLING, E.J., HEMLEBEN, C. (2006) - Sea-level reversal during Termination II. - *Geology*, 34/10: 817-820. [06089]
- SIDDALL, M., STOKER, T.F., BLUNIER, T., SPAHNI, R., McMANUS, J., **BARD, E.** (2006) - Using a maximum simplicity paleoclimate model to simulate millennial variability during the last four glacial periods. - *Quaternary Science Reviews*, 25/23-24 : 3185-3197. [06164]
- SOLOVITCH-VELLA, N., GARNIER, J.M.** (2006) - Comparative kinetic desorption of ⁶⁰Co, ⁸⁵Sr and ¹³⁴Cs from a contaminated natural silica sand column: Influence of varying physicochemical conditions and dissolved organic matter. - *Environmental Pollution*, 141/1: 98-106. [06155]
- SOLOVITCH-VELLA, N., GARNIER, J.M., CIFFROY, P.** (2006) - Influence of the colloid type on the transfer of ⁶⁰Co and ⁸⁵Sr in silica sand and column under varying physicochemical conditions. - *Chemosphere*, 65: 324-331. [06154]
- STANFORD, J.D., ROHLING, E.J., HUNTER, S.E., ROBERTS, A.P., RASMUSSEN, S.O., **BARD, E.**, McMANUS, J., FAIRBANKS, R.G. (2006) - Timing of meltwater pulse 1a and climate responses to meltwater injections. - *Paleoceanography*, 21/PA4103: 1-9. doi:10.1029/2006PA001340[06169]
- STEFANIUK, L., MUNZI, P., REVIL, A., BRUN, J.P., MORHANGE, C.** (2005) - Mobilité du littoral domitien (Cumes, Campanie, Italie) et dynamique anthropique depuis 4000 ans. In: L'érosion entre société, climat et paléoenvironnement, GEOLAB, Clermont-Ferrand 25-27 mars 2004: 473-480. - Presses Universitaire Blais Pascal. - Nature et Société). [06112]
- SUSKI, B., REVIL, A., TITOV, K., KONOSAVSKY, P., VOLTZ, M., DAGES, C., HUTTEL, O.** (2006) - Monitoring of an infiltration experiment using the self-potential method. - *Water Resources Research*, 42/W08418: 1-11. [06126]
- TECHER, I., KHOURY, H.N., SALAMEH, E., RASSINEUX, F., CLAUDE, C., CLAUER, N., PAGEL, M., LANCELOT, J., HAMELIN, B., JACQUOT, E.** (2006) - Propagation of high-alkaline fluids in argillaceous formation: Case study of the Khushaym Matruk natural analogue (central Jordan). - *Journal of Geochemical Exploration*, 90/1-2: 53-67. [06188]
- TECHER, I., ROUSSET, D., CLAUER, N., LANCELOT, J., BOISSON, J.Y.** (2006) - Chemical and isotopic characterization of water-rock interactions in shales induced by the intrusion of a basaltic dike: a natural analogue for radioactive waste disposal. - *Applied Geochemistry*, 21/2: 203-222. [06186]
- THILL, A., ZEYONS, O., SPALLA, O., CHAUVAT, F., **ROSE, J., AUFFAN, M., FLANK, A.M.** (2006) - Cytotoxicity of CeO₂ nanoparticles for *Escherichia coli*. Physico-chemical insight of the cytotoxicity mechanism. - *Environmental Science & Technology*, 40: 6151-6156. [06075]
- TRAORE, D., **BEAUVAIS, A., AUGÉ, T., CHABAUX, F., PARISOT, J.C., CATHELINÉAU, M., PEIFFERT, C., COLIN, F.** (2006) - Platinum and palladium mobility in supergene environment: The residual origin of the Pirogues River mineralization, New Caledonia. - *Journal of Chemical Exploration*, 88: 350-354. [06042]

- TROLARD, F., BOURRIE, G. (2006) - Structure of fougérite and green rusts and a thermodynamic model for their stabilities. - *Journal of Geochemical Exploration*, 88/1-3: 249-251. [06039]
- VALLET-COULOMB, C., GASSE, F., ROBISON, L., FERRY, L. (2006) - Simulation of the water and isotopic balance of a closed tropical lake at a daily time step (Lake Ihotry, South-West of Madagascar). - *Journal of Geochemical Exploration*, 88/1-3: 153-156. [06032]
- VALLET-COULOMB, C., GASSE, F., ROBISON, L., FERRY, L., VAN CAMPO, E., CHALIE, F. (2006) - Hydrological modeling of tropical closed Lake Ihotry (SW Madagascar): Sensitivity analysis and implications for paleohydrological reconstructions over the past 4000 years. - *Journal of Hydrology*, 331: 257-271. [06125]
- VAN GEEN, A., ZHENG, Y., CHENG, Z., HE, Y., DHAR, R.K., GARNIER, J.M., ROSE, J., SEDDIQUE, A., HOQUE, M.A., AHMED, K.M. (2006) - Impact of irrigating rice paddies with groundwater containing arsenic in Bangladesh. - *Science of the Total Environment*, 367: 769-777. [06156]
- VASSAS, C., POURCELOT, L., VELLA, C., CARPENA, J., PUPIN, J.P., BOUISSET, P., GUILLOT, L. (2006) - Mechanisms of enrichment of natural radioactivity along the beaches of the Camargue. - *Journal of Environmental Radioactivity*, 91: 146-159. [06124]
- VELLA, C. (2006) - Evolution paléogéographique du littoral de Fos et du delta du Rhône : implications archéologiques. In: Rivet, L., Sciallano, M. (Eds) - *Vivre, produire et échanger : reflets méditerranéens*: 103-114. - Montagnac: Mergoïl. [06123]
- VERNAZZA, P., BRUNETTO, R., STRAZZULLA, G., FULCHIGNONI, M., ROCHETTE, P., MEYER-VERNET, N., ZOUGANELIS, I. (2006) - Asteroid colors: a novel tool for magnetic field detection? The case of Vesta. - *Astronomy & Astrophysics*, 451: L43-L46. [06047]
- VERON, A., GOIRAN, J.P., MORHANGE, C., MARRINER, N., EMPEREUR, J.Y. (2006) - Pollutant lead reveals the pre-Hellenistic occupation and ancient growth of Alexandria, Egypt. - *Geophysical Research Letters*, 33/L06409: 1-4. [06012]
- VINCENS, A., BREMOND, L., BREWER, S., BUCHET, G., DUSSOUILLEZ, P. (2006) - Modern pollen-based biome reconstructions in East Africa expanded to southern Tanzania. - *Review of Palaeobotany and Palynology*, 140: 187-212. [06072]
- VINCENS, A., TIERCELIN, J.J., BUCHET, G. (2006) - New Oligocene-early Miocene microflora from the southwestern Turkana Basin. Paleoenvironmental implications in the northern Kenya Rift. - *Palaeogeography Palaeoclimatology Palaeoecology*, 239: 470-486. [06103]
- VOLLENWEIDER, P., COSIO, C., GUNTARDT-GOERG, M.S., KELLER, C. (2006) - Localization and effects of cadmium in leaves of a cadmium-tolerant willow (*Salix viminalis* L.). Part II. Microlocalization and cellular effects of cadmium. - *Environmental and Experimental Botany*, 58: 25-40. [06101]

Publications de l'année 2007

ANDRIEU-PONEL, V., TEXIER, D., BRULHET, J., BEAULIEU de, J.L., BEGEOT, C., CHEDDADI, R., GANDOUIN, E., GOODESS, C., GUITER, F., **HAMELIN, B.**, LOTRE, M.F., MAGNY, M., MASSON-DELMOTTE, V., PAILLARD, D., PETIT-MAIRE, N., PONEL, P., PONS-BRANCHU, E., REILLE, M., RUFFALDI, P., THORNE, M.C., VAN VLIET LANOË, B. (2007) - Climate and environmental evolution scenarios for the Meuse/Haute-Marne region, France. - *Mémoire de la Société Géologique de France*, n.s./178: 115-134. [07118]

BARBONI, D., BREMOND, L., BONNEFILLE, R. (2007) - Comparative study of modern phytolith assemblages from inter-tropical Africa. - *Palaeogeography Palaeoclimatology Palaeoecology*, 246: 454-470. [07011]

BARD, E. (2007) - Rôle du CO₂ et des facteurs d'origine terrestre. In: La modélisation du climat et le rôle du CO₂, avec Hervé Le Treut et Edouard Bard (Séance de l'Académie des Sciences : Ecouter en ligne(01:08:53). Support visuel de la communication (Pdf) suivi du Débat

BARDY, M., BONHOMME, C., **FRITSCH, E.**, MAQUET, J., HAJJAR, R., ALLARD, T., DERENNE, S., CALAS, G. (2007) - Al speciation in tropical podzols of the upper Amazon Basin: A solid-state ²⁷Al MAS and MQMAS NMR study. - *Geochimica et Cosmochimica Acta*, 71: 3211-3222. [07067]

BASILE-DOELSCH, I., AMUNDSON, R., STONE, W.E.E., **BORSCHNECK, D., BOTTERO, J.Y.**, MOUSTIER, S., MASIN, F., COLIN, F. (2007) - Mineral control of carbon pools in a volcanic soil horizon. - *Geoderma*, 137: 477-489. [07004]

BEAUFORT, L., COUAPPEL, M., BUCHET, N., CLAUSTRE, H. (2007) - Calcite production by Coccolithophores in the South East Pacific Ocean: from desert to jungle. - *Biogeosciences Discussions*, 4: 3267-3299. [07082]

BEAUFORT, L., PROBERT, I., BUCHET, N. (2007) - Effects of acidification and primary production on coccolith weight: implications for carbonate transfer from the surface to the deep ocean. - *Geochemistry Geophysics Geosystems*, 8/8: 1-18. [07120]

BEAUVAIS, A., PARISOT, J.C., SAVIN, C. (2007) - Ultramafic rock weathering and slope erosion processes in a South West Pacific tropical environment. - *Geomorphology*, 83: 1-13. doi:10.1016/j.geomorph.2006.06.016 [07010]

BELLIER, O. (2007) - Qu'est-ce qui fait trembler la terre ? - [en ligne] Disponible sur : http://www.futura-sciences.com/fr/comprendre/dossiers/doc/t/geologie/r/provence-alpes-cote-dazur/d/tremblements-de-terre_750/c3/221/p1/ - Date : 06/10/2007 [07087]

BEZAEVA, N.S., **ROCHETTE, P., GATTACCECA, J., SADYKOV, R.A., TRUKHIN, V.I.** (2007) - Pressure demagnetization in the Martian crust: Ground truth from SNC meteorites. - *Geophysical Research Letters*, 34/L23202: 1-4. [07094]

BERTRAND, G., **BELLIER, O.**, BOLLINGER, M., DUROUCHOUX, C., HOLLENDER, F., MEYER, B., SABOURAULT, P., SCHLUPP, A., SEBRIER, M., HERNIOT, P. (2007) - NéoPal : Base de données nationale des déformations néotectoniques et des paléoséismes. - 7ème Colloque National AFPS 2007, Ecole Centrale, Paris, : 7 p.- [07051]

BLANCHET, C.L., THOUVENY, N., VIDAL, L., LEDUC, G., TACHIKAWA, K., BARD, E., BEAUFORT, L. (2007) - Terrigenous input response to glacial/interglacial climatic variations over southern Baja California: a rock magnetic approach. - *Quaternary Science Reviews*, 26: 3118-3133. [07092]

BÖNING, P., BARD, E., ROSE, J. (2007) - Toward direct, micron-scale XRF elemental maps and quantitative profiles of wet marine sediments. - *Geochemistry, Geophysics and Geosystems*, 8/5: 1-14.- doi:10.1029/2006GC001480 [07026]

- BONNEFILLE, R.** (2007) - Rainforest responses to past climatic changes in tropical Africa. In: Bush, B., Flenley, J.R. (Eds) - Tropical rainforest responses to climatic change: 117-170 p. - Springer . [07043]
- BONNEFILLE, R.** (2007) - Histoire forestière et climatique au Burundi d'après l'analyse pollinique des tourbières. In: Deslauriers, C., Juhé-Beaulaton, D. (Eds) - Afrique, terre d'histoire: 35-49. - Paris: Karthala. [07065]
- BOURGOIS, J., BIGOT-CORMIER, F., BOURLES, D., BRAUCHER, R., DAUTEUIL, O., WITT, C., MICHAUD, F.** (2007) - Tectonic Record of Strain Buildup and Abrupt Coseismic Stress Release Across the Northwestern Peru Coastal Plain, Shelf, and Continental Slope During the Past 200 kyr. - *Journal of Geophysical Research*, 112/B04104: 333-346. [07099]
- BREWER, S., ALLEAUME, S., GUIOT, J., NICAULT, A.** (2007) - Historical droughts in Mediterranean regions during the last 500 years: a data/model approach. - *Climate of the Past*, 3: 355-366. [07074]
- BREWER, S., GUIOT, J., BARBONI, D.** (2007) - Use of pollen as climate proxies. In: Elias, S.A. (Eds) - *Encyclopedia of Quaternary Science*: 2497-2508. - Elsevier. [07116]
- BREWER, S., GUIOT, J., TORRE, F.** (2007) - Mid-Holocene climate change in Europe: a data-model comparison. - *Climate of the Past*, 3: 499-512. [07075]
- BRUNEL, C., SABATIER, F.** (2007) - Pocket beach vulnerability to sea-level rise. - *Journal of Coastal Research*, SI50: 604-609. [07103]
- BUSCHAERT, S., GIANNESINI, S., LAVASTRE, V., BENEDETTI, L., GAUCHER, E.C., LACROIX, M., LAVIELLE, B., MICHELOT, J.L., FRANCE-LANORD, C., BOURLES, D., LANCELLOT, J., BENABDERRAHMANE, H., DEWONK, S., VINSOT, A.** (2007) - The contribution of water geochemistry to the understanding of the regional hydrogeological system. - *Mémoire de la Société Géologique de France*, n.s./178: 91-114. [07117]
- CAMOIN, G.F., IRYU, Y., McINROY, D.B., and the IODP Expedition 310 Scientists** (2007) - IODP Expedition 310 reconstructs sea level, climatic, and environmental changes in the South Pacific during the last deglaciation. - *Scientific Drilling*, 50: 4-12. [07066]
- CHAURAND, P., ROSE, J., BRIOIS, V., OLIVI, L., HAZEMANN, J.L., PROUX, O., DOMAS, J., BOTTERO, J.Y.** (2007) - Environmental impacts of steel slag reused in road construction: A crystallographic and molecular (XANES) approach. - *Journal of Hazardous Materials B*, 139: 537-542.- [07023]
- CHAURAND, P., ROSE, J., BRIOIS, V., SALOME, M., PROUX, O., NASSIF, V., OLIVI, L., SUSINI, J., HAZEMANN, J.L., BOTTERO, J.Y.** (2007) - New methodological approach for the vanadium K-edge X-ray absorption near-edge. Structure interpretation: Application to the speciation of vanadium in oxide phases from steel slag. - *Journal of Physical Chemistry B*, 111: 5101-5110.- [07022]
- COSENZA, P., GHORBANI, A., FLORSCH, N., REVIL, A.** (2007) - Effects of drying on the low-frequency electrical properties of Tournemire argillites. - *Pure and Applied Geophysics*, 164: 1-24.- [07032]
- COUAPPEL, M.J.J., BEAUFORT, L., JONES, B.G., CHIVAS, A.R.** (2007) - Late Quaternary marginal marine paleoenvironments of northern Australia as inferred from cluster analysis of coccolith assemblages. - *Marine Micropaleontology*, 65: 213-231. [07089]
- CRESPY, A., REVIL, A., BOLEVE, A.** (2007) - Influence of the Dukhin and Reynolds numbers on the apparent zeta potential of granular porous media. - *Journal of Colloid and Interface Science*, 305: 188-194.- [07035]
- CUSHING, M., BAIZE, S., BELLIER, O., NECHTSCHHEIN, S., SEBRIER, M., VOLANT, P., NOCQUET, J.M., LOMAX, A., DERVIN, P.** (2007) - Apport des surveillances instrumentales de la Faille de la Moyenne Durance pour l'évaluation de l'aléa sismique. - In : 7ème Colloque National AFPS 2007, Ecole Centrale, Paris, : 8 p.- [07050]
- DAMNATI, B., ICOLE, M., TAIEB, M., WILLIAMSON, D.** (2007) - The application of organic carbon and carbonate stratigraphy to the reconstruction of lacustrine palaeoenvironments from Lake Magadi, Kenya. - *Palaeoecology of Africa*, 28: 155-168. [07057]

- DAN, S., STIVE, M., WALSTRA, D.J., **SABATIER, F.** (2007) - Sediment Budget of the Danube Delta Coastal Zone. In: Coastal Sediments'07: 1-13. - ASCE. [07107]
- DEVILLERS, B.**, EXCOFFON, P., **MORHANGE, C.**, BONNET, S., BERTONCELLO, F. (2007) - Relative sea-level changes and coastal evolution at Forum julii (Fréjus, Provence). - Comptes Rendus Geoscience, 339: 329-336.- doi: 10.1016/j.crte.2007.03.004 [07020]
- DJOUADI, Z., **GATTACCECA, J.**, D'HENDECOURT, L., **ROCHETTE, P.**, JONES, A.P., DAVOISNE, C., LEROUX, H., BORG, J. (2007) - Ferromagnetic inclusions in silicate thin films: insights into the magnetic properties of cosmic grains. - Astronomy & Astrophysics, 468: L9-L12. [07110]
- DUFOUR, S.** (2007) - Effects of channel confinement on pioneer woody vegetation structure, composition and diversity along the River Drôme (SE France). - Earth Surface Processes and Landforms, 32: 1244-1256.- [07053]
- ELIE, M., **TECHER, I.**, TROTIGNON, L., KHOURY, H., SALAMEH, E., **VANDAMME, D.**, BOULVAIS, P., FOURCADE, S. (2007) - Cementation of kerogen-rich marls by alkaline fluids released during weathering of thermally metamorphosed marly sediments. Part II: Organic matter evolution, magnetic susceptibility and metals (Ti, Cr, Fe) at the Khushaym Matruk natural analogue (Central Jordan). - Applied Geochemistry, 22: 1311-1328. [07091]
- FOURCADE, S., TROTIGNON, L., BOULVAIS, P., **TECHER, I.**, ELIE, M., **VANDAMME, D.**, SALAMEH, E., KHOURY, H. (2007) - Cementation of kerogen-rich marls by alkaline fluids released during weathering of thermally metamorphosed marly sediments. Part I: Isotopic (C,O) study of the Khushaym Matruk natural analogue (Central Jordan). - Applied Geochemistry, 22: 1293-1310. [07114]
- FRITSCH, E.**, HERBILLON, A.J., DO NACIMENTO, N.R., GRIMALDI, M., **MELFI, A.J.** (2007) - From plinthic acrisols to plinthosols and gleysols: iron and groundwater dynamics in the tertiary sediments of the upper Amazon basin. - European Journal of Soil Science, 58: 989-1006.-doi: 10.1111/j.1365-2389.2006.00877.x [07042]
- GARCIN, Y.**, **VINCENS, A.**, **WILLIAMSON, D.**, **BUCHET, G.**, **GUIOT, J.** (2007) - Abrupt resumption of the African Monsoon at the Younger Dryas - Holocene climatic transition. - Quaternary Science Reviews, 26: 690-704. [07012]
- GARCIN, Y.**, **WILLIAMSON, D.**, BERGONZINI, L., **RADAKOVITCH, O.**, **VINCENS, A.**, **BUCHET, G.**, **GUIOT, J.**, **BREWER, S.**, **MATHE, P.E.**, MAJULE, A. (2007) - Solar and anthropogenic imprints on Lake Masoko (southern Tanzania) during the last 500 years. - Journal of Paleolimnology, 37: 475-490.- doi: 10.1007/s10933-006-9033-6 [07021]
- GARIDEL-THORON de, T.**, chief Scientist, **BUCHET, N.**, **GALLY, Y.**, **LICARI, L.**, MORIN, X., UJIE, Y. (Eds) (2007) - VT92 / GYRAFOR -B. - Plouzané: IPEV - Institut Polaire Français. 148 p.- (Les rapports de campagnes à la mer : réf:OCE/2008/01). [*]
- GARIDEL-THORON de, T.**, ROSENTHAL, Y., **BEAUFORT, L.**, **BARD, E.**, **SONZOGNI, C.**, MIX, A.C. (2007) - A multiproxy assessment of the western equatorial Pacific hydrography during the last 30 kyr. - Paleoceanography, 22/PA3204: 1-18. [07086]
- GATTACCECA, J.**, BOUROT-DENISE, M., BRANDSTAETTER, F., FOLCO, L., **ROCHETTE, P.** (2007) - The Asco meteorite (1805): New petrographic description, chemical data, and classification. - Meteoritics & Planetary Science, 42/8: A173-A176. [07093]
- GATTACCECA, J.**, LAMALI, A., **ROCHETTE, P.**, BOUSTIE, M., BERTHE, L. (2007) - The effect of explosive-driven shocks on the natural remanent magnetization and the magnetic properties of rocks. - Physics of the Earth and Planetary interiors, 162: 85-98.- [07045]
- GOUIRAND, I., **MORON, V.**, ZORITA, E. (2007) - Teleconnection between ENSO and North Atlantic in an ECHO-G simulation of the 1000-1990 period. - Geophysical Research Letters, 34/L06705: 1-5. DOI: 10.1029/2006GL028852, 2007 [07006]
- GIRAUDEAU, J., **BEAUFORT, L.** (2007) - Coccolithophores: From extant populations to fossil assemblages. In: Hilaire-Marcel, C., Vernal de, A. (Ed.) - Proxies in late Cenozoic Paleoceanography: 427-457 p. - Elsevier - (Developments in Marine Geology ; 1). [07123]

- GIULIANI, S., **RADAKOVITCH, O.**, FRIGNANI, M., BELLUCCI, L.G. (2007) - Short time scale variations of $^{234}\text{Th}/^{238}\text{U}$ disequilibrium related to mesoscale variability on the continental slope of the Gulf of Lions (France). - *Marine Chemistry*, 106: 403-418. [07069]
- GUIOT, J.**, VERNAL de, A. (2007) - Transfer functions: Methods for quantitative paleoceanography based on microfossils. - *Developments in Marine Geology*, 1: 523-563. [07102]
- GUIOT, J.**, HARGREAVES, J., WEBER, S.L., BRACONNOT, P. (2007) - Modelling Late Quaternary climate. Preface. - *Climate of the Past*, special issue : 1-4. [07090]
- GUNNELL, Y., **BRAUCHER, R.**, **BOURLES, D.**, ANDRE, G. (2007) - Quantitative and qualitative insights into bedrock landform erosion on the South Indian craton using cosmogenic nuclides and apatite fission tracks. - *GSA Bulletin*, 119/5/6: 576-585.- doi: 10.1130/B25945.1 [07019]
- HALOUANI, N., **SABATIER, F.**, GUEDDARI, M., **FLEURY, J.** (2007) - Evolution du trait de côte de Tabarka-Bouterfess, Nord-Ouest de la Tunisie. - *Méditerranée*, 108: 131-137.- [07054]
- HARGREAVES, J., WEBER, S.L., BRACONNOT, P., **GUIOT, J.** (2007) - Modelling Late Quaternary climate. - *Climate of the Past*, Special issue. [http://www.clim-past.net/special_issue4.html]
- HELY, C.**, CAYLOR, K.K., DOWTY, P., ALLEAUME, S., SWAP, R.J., SHUGART, H.H., JUSTICE, C.O. (2007) - A temporally explicit production efficiency model for fuel load allocation in Southern Africa. - *Ecosystems*, 10: 1116-1132. [07096]
- JOLIVET, M., RITZ, J.F., VASSALLO, R., LARROQUE, C., **BRAUCHER, R.**, TODBILEG, M., CHAUVET, A., SUE, C., ARNAUD, N., DE VICENTE, R., ARZHANIKOVA, A., ARZHANIKOV, S. (2007) - Mongolian summits : An uplifted, flat, old but still preserved erosion surface. - *Geology*, 35/10: 871-874. [07115]
- KAMAGATE, B., SEGUIS, L., FAVREAU, G., SEIDEL, J.L., DESCLOITRES, M., **AFFATON, P.** (2007) - Processus et bilan des flux hydriques d'un bassin versant de milieu tropical de socle au Bénin (Donga, haut Ouémé). - *Comptes Rendus Geoscience*, 339: 418-429.-doi:10.1016/j.crte.2007.04.003 [07059]
- KIRMAN, S.**, STRASBERG, D., GRONDIN, V., COLIN, F., GILLES, G., **MEUNIER, J.D.** (2007) - Biomass an litterfall in an native lowland rainforest: Marelongue Reserve, La Réunion Island, Indian Ocean. - *Forest Ecology and Mangement*, 252: 257-266. [07078]
- LAMBERT, A.**, REY, V., **PROVANSAL, M.**, **SAMAT, O.**, **SABATIER, F.** (2007) - Lutte contre l'érosion littorale : efficacité des méthodes de stabilisation par drainage de plage, le cas de la baie d'Agay, Var. - *Méditerranée*, 108: 105-117. [07105]
- LASSETTRE, N.S., PIEGAY, H., **DUFOUR, S.**, ROLLET, A.J. (2007) - Decadal changes in distribution and frequency of wood in a free meandering river, the Ain River, France. - *Earth Surfaces Processes and Landforms*, 32: 1-15. [07101]
- LE PICHON, X., RANGIN, X., **BELLIER, O.** (2007) - Tectonique récente de la Provence : rôle des couches ductiles. - Aix en Provence: Collège de France - CEREGE, 2007. - 15 p. [07046]
- LEDUC, G.**, VIDAL, L., TACHIKAWA, K., ROSTEK, F., SONZOGNI, C., **BEAUFORT, L.**, **BARD, E.** (2007) - Moisture transport across Central America as a positive feedback on abrupt climatic changes. - *Nature*, 445: 908-911+25.- doi:10.1038/nature05578 [07028]
- LEROY, P.**, **REVIL, A.**, ALTMANN, S., TOURNASSAT, C. (2007) - Modelling the composition of the pore water in a clay-rock geological formation (Callovo-Oxfordian, France). - *Geochimica et Cosmochimica Acta*, 71: 1087-1097.- [07036]
- LINDE, N., JOUGNOT, D., **REVIL, A.**, MATTHAI, S.K., ARORA, T., RENARD, D., DOUSSAN, C. (2007) - Streaming current generation in two-phase flow conditions. - *Geophysical Research Letters*, 34/L03306: 1-5.- [07.001]
- LEVI, C., LABEYRIE, F., BASSINOT, F., GUICHARD, F., CORTIJO, E., WELBROECK, C., CAILLON, N., DUPRAT, J., **GARIDEL-THORON de, T.**, ELDERFIELD, H. (2007) - Low-latitude hydrological cycle and rapid climate changes during the last deglaciation. - *Geochemistry, Geophysics, Geosystems*, 8/5: 1-11. [07083]

- LINDE, N., **REVIL, A.**, BOLEVE, A., DAGES, C., CASTERMANT, J., **SUSKI, B.**, VOLTZ, M. (2007) - Estimation of the water table throughout a catchment using self-potential and piezometric data in a Bayesian framework. - *Journal of Hydrology*, 334: 88-98.- [07034]
- LUCAS, Y., BERTHELEIN, J., BOUDOT, J.P., BOURRIE, G., GERARD, F., **MEUNIER, J.D.**, TROLARD, F. (2007) - Cycles du silicium, de l'aluminium et du fer. In: Académie des Sciences, PEDRO, G.,(Dir.) - Cycles biogéochimiques et écosystèmes continentaux: 75-99. - Les Ulis: EDP Sciences. - (Rapport sur la Science et la Technologie, N° 27). [07119]
- MALEKZADE, Z., ABBASSI, M.R., **BELLIER, O.**, **AUTHEMAYOU, C.** (2007) - Strain partitioning in West-Central Zagros fold and Thrust Belt: Implication for seismic hazard analysis. - *Journal of Seismology and Earthquake Engineering*, 9/3: 85-98. [07122]
- MARRINER, N.**, **MORHANGE, C.** (2007) - Geoscience of ancient Mediterranean harbours. - *Earth-Science Reviews*, 80: 137-194.[07003]
- MARRINER, N.**, **MORHANGE, C.** (2007) - Ports antiques et paléo-environnements de Tyr. 5 000 ans d'occupation humaine. - *Les Dossiers d'archéologie*, HS/13: 2-5. [07063]
- MARRINER, N.**, **MORHANGE, C.** (2007) - Tyr. Les ports antiques redécouverts. - *Archéologia*, 448: 44-54. [07085]
- MARRINER, N.**, **MORHANGE, C.**, **MEULE, S.** (2007) - Holocene morphogenesis of Alexander the Great's isthmus at Tyre in Lebanon. - *Proceedings of the National Academy of Science*, 104: 9218-9223.- [07041]
- MERCHEL, S.**, BERGER, A. (2007) - Determination of nitrogen in boron carbide by instrumental photon activation analysis. - *Analytical and Bioanalytical Chemistry*, 388: 385-389. [07095]
- MERCHEL, S.**, **BRAUCHER, R.**, **BENEDETTI, L.**, GRAUBY, O., **BOURLES, D.** (2008) - Dating carbonate rocks with in-situ produced cosmogenic ¹⁰Be: Why it often fails. - *Quaternary Geochronology*, 3: 299-307.- doi:10.1016/j.quageo.2008.01.008 [08036]
- MESMAY de, R., GROSSI, V., **WILLIAMSON, D.**, KAJULA, S., DERENNE, S. (2007) - Novel mono-, di- and tri-unsaturated very long chain (C37-C43) n-alkenes in alkenone-free lacustrine sediments (Lake Masoko, Tanzania). - *Organic Geochemistry*, 38: 323-333. [07111]
- MOCOCHAIN, L.**, **CLAUZON, G.**, **BELLIER, O.**, BIGOT, J.Y., **BRAUCHER, R.** (2007) - Messinian salinity crisis event on mediterranean karst : example on mid'Rhône valley limestone plateau. In: *Time in Karst*, 14-18 mars 2007: 1-5. - Postojna, Slovenia: - (Acta Carstologica ; 36/1 p.228). [07025]
- MORHANGE, C.** (2007) - Les paysages littoraux depuis l'âge du Bronze. In: Haldiman, M.A., Humbert, J.B., Martiniani-Reber, M., et al. (Eds) - *Gaza à la croisée des civilisations. I Contexte archéologique et historique: n. p. - Chaman* . [07040]
- MORHANGE, C.**, GASSIN, J.M. (2007) - Méditerranée. 250 millions d'années d'évolution. - *La Nerthe*. - 119 p. [07041*]
- MORHANGE, C.**, **MARRINER, N.**, **SABATIER, F.**, **VELLA, C.** (Eds) (2007) - Risques littoraux en Méditerranée. - PUP. - , 149 p.- (Méditerranée ; 108). [07109*]
- MORHANGE, C.**, **PROVANSAL, M.** (Eds) (2007) - Geoarchaeology // Géoarchéologie. - Groupe Français de Géomorphologie. - 103 p.- (Géomorphologie ; 1). [07044*]
- MORON, V.**, ROBERTSON, A.W., WARD, M.N., CAMBERLIN, P. (2007) - Spatial coherence of tropical rainfall at the regional scale. - *Journal of Climate*, 20/21: 5244-5263. [07077]
- NEDELEC, A., **AFFATON, P.**, FRANCE-LANORD, C., CHARRIERE, A., ALVARO, J. (2007) - Sedimentology and chemostratigraphy of the Bwipe Neoproterozoic cap dolostones (Ghana, Volta Basin): A record of microbial activity in a peritidal environment. - *Comptes Rendus Geoscience*, 339: 223-239.-doi:10.1016/j.crte.2005.06.002 [07056]

- NEDELEC, A., **AFFATON, P.**, FRANCE-LANORD, C., CHARRIERE, A., ALVARO, J. (2007) - Erratum to "Sedimentology and chemostratigraphy of the Bwipe Neoproterozoic cap dolostones (Ghana, Volta Basin): A record of microbial activity in a peritidal environment" [CR Geoscience 339 (2007) 223-239]. - Comptes Rendus Geoscience, 339: 516-518.-doi:10.1016/j.crte.2007.05.004 [07056b]
- NGUYEN, F., GARAMBOIS, S., **CHARDON, D.**, **HERMITTE, D.**, **BELLIER, O.**, JONGMANS, D. (2007) - Subsurface electrical imaging of anisotropic formations affected by a slow active reverse fault, Provence, France. - Journal of Applied Geophysics, 62: 338-353. [07070]
- OSLISLY, R., ATEBA, L., BETOUGEDA, R., KINYOCK, P., MBIDA, C., NLEND, P., **VINCENS, A.** (2006) - Premiers résultats de la recherche archéologique sur le littoral du Cameroun entre Kribi et Campo. In: Préhistoire en Afrique. Acts of the XIVth UISPP Congress, University of Liège, Belgium, 2-8 September 2001: 127-134. - Oxford: Archaeopress. [07064]
- RAMSTEIN, G., KAGEYAMA, M., **GUIOT, J.**, WU, H., **HELTY, C.**, KRINNER, G., **BREWER, S.** (2007) - How cold was Europe at the Last Glacial Maximum? A synthesis of the progress achieved since the first PMIP model-data comparison. - Climate of the Past, 3: 331-339. [07076]
- REVIL, A.** (2007) - Thermodynamics of ions and water transport in porous media. - Journal of Colloid and Interface Science, 307: 254-264.- [07033]
- REVIL, A.** (2007) - Comment on "Effect of the flow state on streaming current" by Osamu Kuwano, Masao Nakatani, and Shingo Yoshida. - Geophysical Research Letters, 34/L09311: 1-3.- doi:10.1029/2006GL028806, 2007 [07038]
- ROBINEAU, B., JOIN, J.L., **BEAUVAIS, A.**, **PARISOT, J.C.**, SAVIN, C. (2007) - Geoelectrical imaging of a thick regolith developed on ultramafic rocks: groundwater influence. - Australian Journal of Earth Sciences, 54: 773-781.- DOI:10.1080/08120090701305277 [07047]
- RICKABY, R.E.M., **BARD, E.**, **SONZOGNI, C.**, **ROSTEK, K.**, **BEAUFORT, L.**, BARKER, S., REES, G., SCHRAG, D.P. (2007) - Coccolith chemistry reveals secular variations in the global ocean carbon cycle. - Earth and Planetary Science Letters, 253: 83-95.- doi:10.1016/j.epsl.2006.10.016 [07027]
- SABATIER, F.**, CHAIBI, M., CHAUVELON, P. (2007) - Transport éolien par vent de mer et alimentation sédimentaire des dunes de Camargue. - Méditerranée, 108: 83-90. [07104]
- SAMAT, O.**, **SABATIER, F.**, **LAMBERT, A.** (2007) - Bathymetric impacts of a seawall on a microtidal beach (North of the Gulf of Lions, Mediterranean coast). - Méditerranée, 108: 119-124. [07106]
- SARACCO, G.**, MOREAU, F., **MATHE, P.E.**, **HERMITTE, D.**, MICHEL, J.M. (2007) - Multiscale tomography of buried magnetic structures: its use in the localization and characterization of archaeological structures. - Geophysical Journal International, 171/1: 87-103.-doi:10.1111/j.1365-246X.2007.03501.x [07048]
- SCHMIDT, S., JOUANNEAU, S., WEBER, O., LECROART, P., **RADAKOVITCH, O.**, GILBERT, F., JEZEQUEL, D. (2007) - Sedimentary process in the Thau Lagoon (France): From seasonal to century time scales. - Estuarine Coastal and Shelf Science, 72: 534-542.- doi: 10.1016/j.ecss.2006.11.019 [07015]
- SCOTTI, O., LARROQUE, C., BAUMONT, D., VIRIEUX, J., COURBOULEX, F., DELOUIS, B., DESCHAMPS, A., VALLEE, M., ANGELIER, J., BETHOUX, N., **BELLIER, O.** (2007) - Définition de scénarii sismiques pour la région de Nice, France. In: 7ème Colloque National AFPS 2007, Ecole Centrale, Paris: 8 p. - AFPS . [07049]
- SHIELDS, G.A., DEYNOUX, M., CULVER, S.J., BRASIER, M.D., **AFFATON, P.**, **VANDAMME, D.** (2007) - Neoproterozoic glaciomarine and cap dolostone facies of the Southwestern Touadéni basin (Walidiala Valley), Senegal/Guinea, NW Africa). - Comptes Rendus Geoscience, 339: 186-199.-doi:10.1016/j.crte.2006.10.002 [07058]
- SHIELDS, G.A., DEYNOUX, M., STRAUSS, H., PAQUET, H., **NAHON, D.** (2007) - Barite-bearing cap dolostones of the Taoudéni Basin, northwest Africa: Sedimentary and isotopic evidence for methane seepage after a Neoproterozoic glaciation. - Precambrian Research, 153: 209-235. [07068]
- SIAME, L.**, CHU, H.T., **CARCAILLET, J.**, **BOURLES, D.**, **BRAUCHER, R.**, LU, W.C., ANGELIER, J., DUSSOULIEZ, P. (2007) - Glacial retreat history of Nanhuta Shan (north-east Taiwan) from preserved glacial features: the cosmic ray exposure perspective. - Quaternary Science Reviews, 26/17-18: 2185-2200. [07100]

- SNIEDER, R., HUBBARD, S., HANEY, M., BAWDEN, G., HATCHELL, P., **REVIL, A.**, and DOE Geophysical Monitoring Working Group (2007) - Advanced noninvasive geophysical monitoring techniques. - *Annual Review of Earth and Planetary Sciences*, 35: 653-683.- [07037]
- STRAFACE, S., FALLICO, C., TROISI, S., RIZZO, E., **REVIL, A.** (2007) - An inverse procedure to estimate transmissivity from heads and SP signals. - *Ground Water*, 45:doi:10.1111/j;1745-6584.2007.00310.x.- [07039]
- ULLMANN, A., MORON, V.** (2007) - Configurations atmosphériques de vastes échelles spatiales et variabilité des surcotes dans le Golfe du Lion. *Cybergeo, Environnement, Nature, Paysage*, article 406, mis en ligne le 05 novembre 2007, modifié le 05 novembre 2007, consulté le 13 janvier 2008 (<http://www.cybergeo.eu/index12443.html>). [07108]
- ULLMANN, A., PIRAZZOLI, P.A., TOMASSIN, A.** (2007) - Sea surges in Camargue: Trends over the 20th century. - *Continental Shelf Research*, 27: 922-934.- [07052]
- UMER, M., LAMB, H.F., **BONNEFILLE, R.**, LEZINE, A.M., TIERCELIN, J.J., GIBERT, E., CAZET, J.P., WATRIN, J. (2007) - Late Pleistocene and Holocene vegetation history of the Bale Mountains, Ethiopia. - *Quaternary Science Reviews*, 26: 2229-2246. [07073]
- VAN DE MOORTELE, B., REYNARD, B., **ROCHETTE, P.**, JACKSON, M., BECK, P., GILLET, P., McMILLAN, P.F., McCAMMON, C.A. (2007) - Shock-induced metallic iron nanoparticles in olivine-rich Martian meteorites. - *Earth and Planetary Science Letters*, 262: 37-49. [07072]
- VARAJAO, A.F.D.C., DA COSTA, G.M., VARAJAO, C.A.C., **MEUNIER, J.D.**, COLIN, F. (2007) - Iron -bearing phases in a peat-derived duricrust from Brazil. - *European Journal of Soil Science*, 58: 1096-1106. [07071]
- VASSALO, R., JOLIVET, M., RITZ, J.F., **BRAUCHER, R.**, LARROQUE, C., SUE, C., TODBILEG, M., JAVKHLANBOLD, D. (2007) - Uplift age and rates of the Gurban Bogd system (Gobi-Altay) by apatite fission track analysis. - *Earth and Planetary Science Letters*, 259: 333-346. [07098]
- VASSALO, R., RITZ, J.F., **BRAUCHER, R.**, JOLIVET, M., CARRETIER, S., LARROQUE, C., CHAUVET, A., SUE, C., TODBILEG, M., **BOURLES, D.**, ARZHANNIKOVA, A., ARZHANNIKOV, S. (2007) - Transpressional tectonics and stream terraces of the Gobi-Altay, Mongolia. *Transpressional tectonics and stream terraces of the Gobi-Altay, Mongolia*. - *Tectonics*, 26/TC5013: 1-24. [07097]
- VINCENS, A., GARCIN, Y., BUCHET, G.** (2007) - Influence of rainfall seasonality on African lowland vegetation during the Late Quaternary: pollen evidence from Lake Masoko, Tanzania. - *Journal of Biogeography*, 34: 1274-1288. [07084]
- VINCENS, A., LEZINE, A.M., BUCHET, G., LEWDEN, D., LE THOMAS, A.,** and contributors (2007) - African pollen database inventory of tree and shrub pollen types. - *Review of Palaeobotany and Palynology*, 145: 135-141.- doi:10.1016/j.revpalbo.2006.09.004 [07029]
- VOLLENWEIDER, P., COSIO, C., GUNTARD-GOERG, M., **KELLER, C.** (2007) - Detecting Cadmium in willow leaves. - *Microscopy and Analysis*, 106: 17.- [07055]
- WATRIN, J., LEZINE, A.M., GAJEWSKI, K., **VINCENS, A.** (2007) - Pollen-plant-climat relationships in sub-Saharan Africa. - *Journal of Biogeography*, 34: 489-499.- [07002]
- WU, H., **GUIOT, J., BREWER, S.**, GUO, Z. (2007) - Climatic changes in Eurasia and Africa at the last glacial maximum and mid-Holocene: reconstruction from pollen data using inverse vegetation modelling. - *Climate Dynamics*, doi: 10.1007/s00382-007-0231-3 doi: 10.1007/s00382-007-0231-3 [07018]
- WU, H., **GUIOT, J., BREWER, S.**, GUO, Z., PENG, C. (2007) - Dominant factors controlling glacial and interglacial variations in the treeline elevation in tropical Africa. - *Proceedings of the National Academy of Science*, 104/23: 9720-9724.- [07014]

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