

3) Publications 2004-2007

(la colonne de gauche rattache la publication à 1 ou plusieurs axes de recherche de l'équipe.

A : déformations actuelles, failles et séismes ; **B** : Tectonique continentale ; **C** : Reliefs et bassins sédimentaires ; **Z** : autre)

- AB** Armijo, R., Flerit, F., King, G. & Meyer, B., 2004. Linear elastic fracture mechanics explains the past and present evolution of the Aegean, *Earth and Planetary Science Letters*, 217, 85-95.
- A** Armijo, R., Pondard, N., Meyer, B., Ucar, G., de Lepinay, B.M., Malavieille, J., Dominguez, S., Gutscher, M.A., Schmidt, S., Beck, C., Cagatay, N., Cakir, Z., Imren, C., Eris, K., Natalin, B., Ozalaybey, S., Tolun, L., Lefevre, I., Seeber, L., Gasperini, L., Rangin, C., Emre, O. & Sarikavak, K., 2005. Submarine fault scarps in the Sea of Marmara pull-apart (North Anatolian Fault): Implications for seismic hazard in Istanbul, *Geochemistry Geophysics Geosystems*, 6, 29.
- B** Audin, L., Quidelleur, X., Coulie, E., Courtillot, V., Gilder, S., Manighetti, I., Gillot, P.Y., Tapponnier, P. & Kidane, T., 2004. Palaeomagnetism and K-Ar and Ar-40/Ar-39 ages in the Ali Sabieh area (Republic of Djibouti and Ethiopia): constraints on the mechanism of Aden ridge propagation into southeastern Afar during the last 10 Myr, *Geophysical Journal International*, 158, 327-345.
- A** Avallone, A., Briole, P., Agatza-Balodimou, A.M., Billiris, H., Charade, O., Mitsakaki, C., Nercessian, A., Papazissi, K., Paradissis, D. & Veis, G., 2004. Analysis of eleven years of deformation measured by GPS in the Corinth Rift Laboratory area, *Comptes Rendus Geoscience*, 336, 301-311.
- A** Ayele, A., Jacques, E., Kassim, M., Kidane, T., Omar, A., Tait, S., Nercessian, A., de Chabaliere, J.B. & King, G., 2007. The volcano-seismic crisis in Afar, Ethiopia, starting September 2005, *Earth and Planetary Science Letters*, 255, 177-187.
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- A** Bernard, P., Lyon-Caen, H., Briole, P., Deschamps, A., Boudin, F., Makropoulos, K., Papadimitriou, P., Lemeille, F., Patau, G., Billiris, H., Paradissis, D., Papazissi, K., Castarede, H., Charade, O., Nercessian, A., Avallone, A., Pacchiani, F., Zahradnik, J., Sacks, S. & Linde, A., 2006. Seismicity, deformation and seismic hazard in the western rift of Corinth: New insights from the Corinth Rift Laboratory (CRL), *Tectonophysics*, 426, 7-30.
- A** Bhat, H.S., Dmowska, R., King, G.C.P., Klinger, Y. & Rice, J.R., 2007. Off-fault damage patterns due to supershear ruptures with application to the 2001 M-w 8.1 Kokoxili (Kunlun) Tibet earthquake, *Journal of Geophysical Research-Solid Earth*, 112, 19.
- A** Brenguier, F., Shapiro, N.M., Campillo, M., Nercessian, A. & Ferrazzini, V., 2007. 3-D surface wave tomography of the Piton de la Fournaise volcano using seismic noise

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- AB** Chevalier, M.L., Ryerson, F.J., Tapponnier, P., Finkel, R.C., Van der Woerd, J., Li, H.B. & Liu, Q., 2005b. Slip-rate measurements on the Karakorum Fault may imply secular variations in fault motion, *Science*, 307, 411-414.
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- A** Daeron, M., Klinger, Y., Tapponnier, P., Elias, A., Jacques, E. & Sursock, A., 2005. Sources of the large AD 1202 and 1759 Near East earthquakes, *Geology*, 33, 529-532.
- A** Daeron, M., Klinger, Y., Tapponnier, P., Elias, A., Jacques, E. & Sursock, A., 2007. 12,000-year-long record of 10 to 13 paleoearthquakes on the Yammouneh fault, Levant fault system, Lebanon, *Bulletin of the Seismological Society of America*, 97, 749-771.
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- A** Doubre, C., Manighetti, I., Dorbath, C., Dorbath, L., Jacques, E. & Delmond, J.C., 2007. Crustal structure and magmato-tectonic processes in an active rift (Asal-Ghoubbet, Afar, East Africa): 1. Insights from a 5-month seismological experiment, *Journal of Geophysical Research-Solid Earth*, 112, 22.
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- A** Feuillet, N., Nostro, C., Chiarabba, C. & Cocco, M., 2004a. Coupling between earthquake swarms and volcanic unrest at the Alban Hills Volcano (central Italy) modeled through elastic stress transfer, *Journal of Geophysical Research-Solid Earth*, 109, 16.
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- BC** Gestain, V., Nalpas, T., Rouby, D. & Barrier, L., 2004. Role of synkinematic ductile levels on the evolution of compressive zones - analogue modelling, *Bulletin De La Societe Geologique De France*, 175, 351-359.
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- A** Hofstetter, R., Klinger, Y., Amrat, A.Q., Rivera, L. & Dorbath, L., 2007. Stress tensor and focal mechanisms along the Dead Sea fault and related structural elements based on seismological data, *Tectonophysics*, 429, 165-181.
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- A** Houlié, N., Briole, P., Bonforte, A. & Puglisi, G., 2006b. Large scale ground deformation of Etna observed by GPS between 1994 and 2001 (vol 33, art no L02309, 2006), *Geophysical Research Letters*, 33, 1.

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- A** King, G., Klinger, Y., Bowman, D. & Tapponnier, P., 2005. Slip-partitioned surface breaks for the M-w 7.8 2001 Kokoxili earthquake, China, *Bulletin of the Seismological Society of America*, 95, 731-738.
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- A** Klinger, Y., Michel, R. & King, G.C.P., 2006. Evidence for an earthquake barrier model from Mw similar to 7.8 Kokoxili (Tibet) earthquake slip-distribution, *Earth and Planetary Science Letters*, 242, 354-364.
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- B** Lacassin R., Arnaud N., Leloup P.H., Armijo R., Meyer B. 2007, Exhumation of metamorphic rocks in N Aegean: the path from shortening to extension and extrusion, *eEarth Discussions*, 2, 1-35.
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- B** Lacassin, R., Valli, F., Arnaud, N., Leloup, P.H., Paquette, J.L., Li, H.B., Tapponnier, P., Chevalier, M.L., Guillot, S., Maheo, G. & Xu, Z.Q., 2004b. Reply to Comment on "Large-scale geometry, offset and kinematic evolution of the Karakorum fault, Tibet", *Earth and Planetary Science Letters*, 229, 159-163.
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- B** Leloup, P.H., Arnaud, N., Sobel, E.R. & Lacassin, R., 2005. Alpine thermal and structural evolution of the highest external crystalline massif: The Mont Blanc, *Tectonics*, 24, 34.
- B** Li, H.B., Valli, F., Liu, D.Y., Xu, Z.Q., Yang, J.S., Arnaud, N., Tapponnier, P., Lacassin, R., Chen, S.Y. & Qi, X.X., 2007. Initial movement of the Karakorum Fault in western Tibet: constraints from SHRIMP U-Pb dating of zircons, *Chinese Science Bulletin*, 52, 1089-1100.
- AB** Li, H.B., Van der Woerd, J., Tapponnier, P., Klinger, Y., Qi, X.X., Yang, J.S. & Zhu, Y.T., 2005. Slip rate on the Kunlun fault at Hongshui Gou, and recurrence time of

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- A** Rigo, A., de Chabali er, J.B., Meyer, B. & Armijo, R., 2004. The 1995 Kozani-Grevena (northern Greece) earthquake revisited: an improved faulting model from synthetic aperture radar interferometry, *Geophysical Journal International*, 157, 727-736.
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- A** Sarti, F., Briole, P. & Pirri, M., 2006. Coseismic fault rupture detection and slip measurement by ASAR precise correlation using coherence maximization: Application to a north-south blind fault in the vicinity of Bam (Iran), *Ieee Geoscience and Remote Sensing Letters*, 3, 187-191.
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- A** van der Woerd, J., Owen, L.A., Tapponnier, P., Xu, X.W., Kervyn, F., Finkel, R.C. & Barnard, P.L., 2004. Giant, similar to M8 earthquake-triggered ice avalanches in the eastern Kunlun Shan, northern Tibet: Characteristics, nature and dynamics, *Geological Society of America Bulletin*, 116, 394-406.
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Articles sous-pressé ou accepté :

- A** King, G.C.P. and S. G. Wesnousky, 2007, Scaling of earthquake fault parameters. *Bulletin of the Seismological Society of America*, in press.
- A** King Geoffrey 2007, Earthquake Stress Changes and the Evolution of Seismicity. In Volume 4 - Earthquake Seismology Edited by: Hiroo Kanamori Treatise on Geophysics, Edited by Gerald Schubert, Volume 4, Elsevier. (in press November 2007)

- B** Leloup P.H., Tapponnier P., Lacassin R. 2007, Discussion of "Role of the River Shear zone, Yunnan and Vietnam, in the continental extrusion of SE Asia" by M. Searle." *J. Geol. Soc. London*, in press .
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