

# **Curriculum Vitae**

## **Yann Klinger**

### **(November 2023)**

**Last Name, First Name :** Klinger Yann  
**Birth date, location :** 30 mars 1970, Strasbourg  
**Nationality :** French

#### **Professional address**

Tectonics  
Institut de Physique du Globe de Paris - CNRS  
1, rue Jussieu, 75238 Paris cedex 05, France

tel : +33 (0)1 83 95 76 23  
email : [klinger@ipgp.fr](mailto:klinger@ipgp.fr)  
webpage : [www.ipgp.fr/~klinger](http://www.ipgp.fr/~klinger)

#### **Education and positions:**

- 1994, Geophysics Engineering degree, EOST, Strasbourg, France.
- January 1999, PhD with highest honors in seismo-tectonics, at l'Institut de Physique du Globe de Strasbourg, supervised by L. Dorbath et J.P. Avouac (LDG/CEA).
- October 1999 – September 2001, Post-doctoral fellow at the seismology lab. at California Institute of Technology, Pasadena, USA, with Prof. K. Sieh.
- October 2001, Junior CNRS researcher permanent position (~ assistant prof.) in the team of Tectonics, at Institut de Physique du Globe de Paris.
- Since July 2011, senior CNRS research permanent position (~ full professor) in the team of Tectonics, at IPGP.
- Since 2013, Head of the tectonic lab., at IPGP.
- August 2007 – August 2008: invited professor at the Earth and Planetary Sciences Dpt., Harvard University, USA. Hosts : J. Rice et J. Shaw.
- 2015 - 2020 Associated Prof., San Diego State University, California, USA
- Janvier 2020 – Juillet 2020, visiting Miller Professor, Earth and Planetary Science Dpt., UC Berkeley, Berkeley, USA.
- March 2022, visiting Prof., Hebrew Univ., Jerusalem, Israel.
- February 2023, invited professor at KAUST university, Saudi Arabia.

#### **Awards:**

- 2004, Prix Pierre Cardin, together with Prof. Xu Xiwei, for scientific collaboration between France and China.
- 2009, Outstanding Reviewer for Geophysical Journal International.
- 2020, Miller Professor award at Berkeley University, USA.
- 2021, Pierre Pruvost award, Geological Society of France.
- 2024, Stephan Muller medal for Tectonics and Struct. Geology, European Geosc. Union.

#### **Large project management:**

2006 – 2009, PI of project *Lacune* funded by ANR funding agency, 400 k€  
2010 – 2014, co-Pi of *Libris* project funded by ANR funding agency, 100 k€

2013 – 2016, PI of *Geosmec* project funded by ANR funding agency, 300k€  
2017 – 2020, co-PI of *GAST* project funded by KAUST University, 280k€  
2019 – 2023, PI of *Disrupt* project funded by ANR funding agency, 444 k€  
2022 – 2026, co-PI of *Active-SW* project funded by ANR funding agency, 35 k€  
2023 – 2026, co-PI of *CAST* project funded by ANR funding agency, 140 k€

### **Teaching:**

2006 – current: Lead teacher “Earthquake geology”, master2 level, yearly class, taught in English.

2010 – current: “Active faulting field camp in Greece”, master 2 level, 1 week/yr, in English

### **Recent invited talks and seminars:**

January 2015, Keynote speaker, Hokudan Int. Symp., 20 years of Kobe earthquake, Japan.  
March 2015, Invited speaker, Int. Red Sea tectonics workshop, KAUST, Saudi Arabia.  
Mars 2015, Invited speaker, Royal Astronomical Society meeting, London, UK.  
Octobre 2015, Earth Science Colloquium, Univ. Montpellier, France.  
March 2016, Earth Sc. Dept. seminar, Univ. Leeds, UK.  
August 2016, invited talk, AOGS meeting, Beijing, China.  
May 2017, Keynote speaker ESC meeting FAULT2SHA, France.  
May 2017, EOS seminar series, NTU Singapore.  
September 2017, Chengdu Univ. of Technology, China.  
February 2018, EOST general seminar, Strasbourg, France.  
Septembre 2018, Geology Dpt seminar, SDSU, USA.  
November 2018, KAUST workshop keynote « seismic hazard assessment », Saudi Arabia.  
March 2019, Royal Observatory of Belgium seminar, Bruxelles, Belgium.  
April 2019, Czech Academy of Sciences seminar, Praha, Czech Republic.  
May 2019, seminar series, KIGAM, South Korea  
July 2019, seminar IAG, Mongolia  
November 2019, Dpt seminar, Université de Chieti, Italy.  
November 2019, Soc. Géologique de France, France.  
November 2019, LDG, CEA, France.  
January 2020, Dpt. seminar, UC Berkeley, USA.  
February 2020, Dpt seminar, ASU, Phoenix, USA.  
February 2020, USGS seminar series, Moffet Park, USA.  
February 2020, Dpt seminar, UC Riverside, USA.  
March 2020, BSL seminar, UC Berkeley, USA.  
March 2020, IGPP seminar, UC Santa Cruz, USA  
April 2020, Dpt seminar, Rice Univ., USA  
Octobre 2020, DeTect Talk Series.  
November 2020, Dpt of Geosciences colloquium, Tel Aviv Univ., Israel  
April 2021, Dpt seminar IStep, Sorbone Univ., France.  
February 2022, IPGP Centennial talk, IPGP, France  
April 2022, Israel Geol. Soc. Annual meeting keynote, Israel.  
July 2022, Frontier in Earthsciences seminar, LMU/TUM, Munich, Germany  
November 2022, séminaire CEREGE, France.  
February 2023, Dpt seminar, University of Barcelona, Spain.

March 2023, National center for geophysics, CNRS, Liban.  
March 2023, Fault2SHA online seminar.  
September 2023, Guest Lecture, Univ. Gadjah Mada, Indonesia.  
October 2023, seminar Edytem, Univ. Alpes-Mont Blanc, Chambery, France.

#### **PhD students:**

2002 - 2005, Mathieu Daeron, now CNRS researcher, France.  
2004 - 2008, Maryline Le Béon, now Assistant Prof., NCU Taiwan.  
2007- 2011, Marie Etchebes, now research engineer at Schlumberger research center, Norway.  
2007 - 2011, Som Sapkota, now at Science Academy of Nepal, Nepal.  
2009 - 2013, Stephanie Dumont, now researcher at Inst. Dom Luiz, Portugal.  
2010 - 2014, Newdescarl Saint-Fleur, now staff at Univ. d'Etat, Haiti.  
2012 - 2016, Amaury Vallage, now research engineer at CEA, France.  
2012 - 2017, Aurelie Jourdain, now high school teacher.  
2014 - 2017, Robin Kurtz, now in private geotec company, France  
2014 - 2018, Marthe Lefevre, now researcher at EDF company, France.  
2015 – 2018, Kurama Okubo (CNFGG best PhD award), now junior scientist NEID, Japan.  
2016 – 2019, Benjamin Lauer, now in private sector, remote sensing, France.  
2017 – 2021, Mathieu Ribot, now working for ESRI, France.  
2018 - 2022, Solene Antoine (OSPA AGU Award 2020), now post-doctoral fellow at JPL.  
2018 – 2023, Rihab Sassi (co-supervision with S. Hok), now working in private sector.  
  
2020 – present, Sarah El-Kadri (presentation award SSA 2022), PhD candidate (co-supervision with C. Beauval)  
2021 – present, Arthur Delorme, PhD candidate  
2022 – present, Nicolas Pinzon, PhD candidate  
2023 - present, Adelaide Allemand, PhD candidate

#### **Post-doctoral fellows:**

2004 - 2005, Liu Jing, now professor at Tianjin University, China.  
2011, Neta Wechsler, now in private sector computer tech., Israel.  
2013 - 2016, Marion Thomas, now researcher at CNRS, France.  
2014 - 2017, Jin Choi, now researcher at KIGAM, Korea  
2016 - 2017, Johann Champenois, now research engineer at CEA, France.  
2016 - 2017, Amaury Vallage, now researcher at CEA, France.  
2017 – 2018, LIU Shaozhuo, now associate researcher at KAUST  
2017, Lucile Bruhat, now scientist at Natural hazard office, Axa Insurance group.  
2019, Yanxiu Shao, now assistant professor at Tianjin Univ., China.  
2019 – 2021, Liqing Jiao, now researcher at CAS, China.  
2019 –2022, Yacine Benjelloun, now working in geohazard company, France  
  
2022 – present, Lulin Zhang, CNES post-doctoral fellow  
2023 - present, Wenqian Yiao, CSC post-doctoral fellow

#### **Research expedition (last 10 years):**

- Since 2001, yearly leader of 3 to 4 weeks field investigation in China.
- 2012 – present: Responsible for field expedition in Middle-East (Jordan, Saudi Arabia) (2weeks/yr).
- 2014 – present: Responsible for field investigation (3 weeks/yr) in Mongolia.
- 2018 co-chief mission on R/V Thuwal, detailed bathymetry in the Gulf of Aqaba, Saudi Arabia
- July 2020: Responsible for paleoseismology field work in Iceland

### **Organization of sessions and meetings :**

2012, Scientific committee of the Wegener Meeting, Strasbourg.

2012, Responsible for the session « Earthquake deformation : Integrating Observations and Mechanics », AGU 2102.

2013, Organizer of International Workshop « Tectonics of the Levant fault and northern Red Sea » at IPGP.

2015, Organizer of the International Thematic school (CNRS/IUGG) « Deformation, from observation to models » held in Barcelonnette, France, 7 – 13 February 2015. This school gathered 70 students from 15 countries, and 15 professors.

2016, Co-chair session “Active Tectonics and earthquake geology of circum-tibetan plateau region”, AOGS 2016.

2017, Session chair « Earthquake rupture processes, confronting field observation and model », AGU 2017.

2017, co-organizer with B. Romanowicz, workshop “Great Earthquakes” at College de France.

2019, Session chair “Physics based modeling of the earthquake cycle. Do observation matter?”, AGU 2019.

2020, Session co-chair « 100-years anniversary of the great 1920 Haiyuan Earthquake : What did we learn from large continental earthquakes ? », AGU 2020.

2021, scientific board, International workshop Tectonics and dating, Praz sur Arly, France, Nov. 2021.

2022, scientific board Patadays 2022 international meeting, Aix en Provence, France, Sept. 2022.

2023, Chair of EGU session "Across the time scales, from earthquakes to earthquake cycle", EGU meeting 2023.

2023, Co-chair of EGU session " Special session on the Turkey and Syria earthquakes and tsunami", EGU meeting 2023.

March 2020 – May 2021, organization of the weekly online seminar Detect Talk Series  
[\(\[http://www.ipgp.fr/~klinger/web\\\_Yann/Detect\\\_page/detect.html\]\(http://www.ipgp.fr/~klinger/web\_Yann/Detect\_page/detect.html\)\)](http://www.ipgp.fr/~klinger/web_Yann/Detect_page/detect.html)

### **Consulting, expertise, and community service**

2014, Expertize for International Atomic Energy Agency: Assessment of seismic hazard of a nuclear installation, Chile.

2012 and 2014, Hired as external professor at King Abdullah University of Science and Technology, Jeddah, Saudi Arabia, to teach Active tectonics and Earthquake geology at master and PhD level.

2017 - 2020, member of the advisory committee of the South California Earthquake Center.

2018 – 2022, Member of the scientific board of the Seismic Hazard program Sigma2 led by EDF, the French electricity provider, in collaboration with several other major electricity providers worldwide.

2019 – 2021, Jason Morgan Young Career award committee member at AGU (Chair in 2020 & 2021).

2022, consultancy for Fugro company about Neom project in Saudi Arabia.

2023, consultancy for EDF (main French electrical company), after 2019 Le Teil earthquake.

2018 – present, advisor on Active Tectonics for the geological survey of South Korea (KIGAM).

2020 – present, Member of the Advisory Board of the Institute of Rock Structure and Mechanics of the Czech Academia of Science.

### **Editorial activities:**

2007 – 2010: Member of the editorial board of *Geology*.

2015: Guest editor of a special issue of *CRAS* on the Dead Sea fault.

2009 – current: Associate editor at *Bull. of Seismological Soc. Am.*

2020 - 2022, Guest editor at *J. Geophys. Res. Solid Earth* for a special issue about large continental earthquakes and faults.

### **Publications in international peer-review journals**

116 papers referenced in web of science (Nov. 2023): Citation 7041, h-index 47.

(\*) signals supervised and co-supervised students.

Most PDF can be found at [www.ipgp.fr/~klinger](http://www.ipgp.fr/~klinger)

116/ Rockwell, T., **Klinger** Y., 2000 yrs of earthquakes inferred from subsidence events on the Imperial fault, California: Effect of lake-level changes and implication for variable slip rates, *Earth and Planetary Sci. Let.*, 618, 118271, 10.1016/j.epsl.2023.118271, 2023.

115/ Mai P., Aspiotis T., Aquib T., Cano E., Castro-duz D., Espindola-Carmona A., Li B., Liu J., Matrau R., Nobile A., Palgunadi K., Ribot M., Parisi L., Suhendi C., Tang Y., Yalcin B., Avçar U., **Klinger** Y., Jonsson S. The destructive earthquake doublet of 6 February 2023 in south central Türkiye and northwestern Syria: initial observations and analyses, *The Seismic Record*, 3(2), 105-115, doi: 10.1785/0320230007, 2023.

114/ Kim T., Choi J.-H., Cheon Y., Lee T.-H., Kim N., Lee H., Kim C.-M., Bae H., Kim Y.-S., Ryoo C.-R., **Klinger** Y. Correlation of paleoearthquake records at multiple sites along the southern Yangsan Fault, Korea: Insights into rupture scenarios of intraplate strike-slip earthquakes, *Tectonophysics*, doi: 10.1016/j.tecto.2023.229817, 2023.

113/ Riesner M., Bollinger L., Rizza M., **Klinger** Y., Karakas C., Sapkota S., Shah C., Guerin C., Tapponnier P. Surface rupture and landscape response in the middle of teh great Mw8.3 1934 earthquake mesoseismal area: Khutti Khola site, *Scientific reports*, doi: 10.1038/s41598-023-30697-7, 2023.

112/ El-Kadri\* S., Beauval C., Brax M., Bard P.Y., Vergnolle M., **Klinger** Y. A fault-based probabilistic seismic hazard model for Lebanon, controlling parameters and hazard levels, *Bull. Earthquake Engineering*, doi:10.1007/s10518-023-01631-z, 2023.

111/ Visage S., Souloumiac P., Cubas N., Maillot B., Antoine\* S., Delorme A., **Klinger** Y., Evolution of the off-fault deformation of strike-slip faults in a sand-box experiment, *Tectonophysics*, doi:10.1016/j.tecto.2023.229704, 2023.

110/ Reitman N., **Klinger** Y., Briggs R., Gold R., Climatic influence on the expression of strike-slip faulting,

- 109/ Antoine\* S., **Klinger** Y., Delorme H., R. Gold. Off-fault deformation in region of complex fault geometries: the 2013, Mw7.7, Baluchistan rupture (Pakistan), *J. Geophys. Res.*, doi: 10.1029/2022JB024480, 2022.
- 108/ **Klinger** Y., Imprint of the continental strike-slip fault geometrical structure in geophysical data, *Geophys. Res. Lett.*, 49, e2022GL098146, doi: 10.1029/2022GL098146, 2022.
- 107/ Yao W., Liu-Zeng J., **Klinger** Y., Wang Z., Shao Y., Han L., Wang W., Zhang J., Liu Z., Late Quaternary slip rate of the Zihong Shan branch and its implications for strain partitioning along the Haiyuan fault, northeastern Tibetan plateau, *J. Geophys. Res. Solid Earth*, doi: 10.1029/2021JB023162, 2022.
- 106/ Benjelloun\* Y., de Sigoyer J., Garambois S., Carcaillet J., **Klinger** Y., Segmentation and Holocene behavior of the Middle strand of the North Anatolian fault (NW Turkey), *Tectonics*, doi:10.1029/2021TC006870, 2021.
- 105/ Jara J., Bruhat L., Thomas M., Antoine\* S., Okubo K., Rougier E., Rosakis A., Sammis C., **Klinger** Y., Jolivet R., Bhat H., Signature of transition to supershear rupture speed in the coseismic off-fault damage zone, *Proc. R. Soc. A*, 477: 20210364, doi: 10.1098/rspa.2021.0364, 2021.
- 104/ Jiao\* L., **Klinger** Y., Scholtès L. Fault segmentation pattern controlled by thickness of brittle crust, *Geophys. Res. Lett.*, doi:10.1029/2021GL093390, 2021.
- 103/ Bollinger L., **Klinger** Y., Forman S., Chimed O., Bayasgalan A., Munkhuu U., Davaasuren G., Dolgorsuren T., Enkhee B., Sodnomambuu D. 25,000 years long seismic cycle in a slow deforming continental region of Mongolia, *Scientific Reports*, 11:17855, doi:10.1038/s441598-021-97167-w, 2021.
- 102/ Castro-Perdomo N., Viltres R., Masson F., **Klinger** Y., Liu S., Dhahry M., Ulrich P., Bernard J-D., Matrau R., Alothman A., Zahran H., Reilinger R., Mai M., Jónsson S. Interseismic deformation in the gulf of Aqaba from GPS measurements, *Geophys. J. Int.*, 228 (1), 477- 492, ggab353, doi:10.1093/gji/ggab353, 2022.
- 101/ Antoine\* S., **Klinger** Y., Delorme A., Wang K., Burgmann R., Gold R. Diffuse deformation and surface faulting distribution from submetric image correlation along the 2019 Ridgecrest, California, ruptures. *Bull. Seismol. Soc. Am.*, doi: 10.1785/0120210036, 2021.
- 100/ Ribot\* M., **Klinger** Y., Jonsson S., Avsar U., Pons-Branchu E., Matrau R., Mallon F. L. Active faults' geometry in the Gulf of Aqaba, southern Dead Sea fault, illuminated by multi beam bathymetric data. *Tectonics*, doi: 10.1029/2020TC006443, 2021.
- 99/ Donzé F.-V., **Klinger** Y., Bonilla-Sierra V., Duriez J., Jiao L., Scholtes. Assessing the brittle crust thickness from thrike-slip fault segments on Earth, Mars and icy moons. *Tectonophysics*, 805, 228779, 2021.
- 98/ Shao\* Y., Liu-Zeng J., Van der Woerd J., **Klinger** Y., Oskin M., Zhang J., Wang P., Wang P., Wang W., Yao W. Late Pleistocene slip rate of the central Haiyuan fault constrained from optically stimulated luminescence, <sup>14</sup>C, and cosmogenic isotope dating and high-resolution topography. *Geol. Soc. Am. Bull.*, doi : 10.1130/B35571.1, 2020.
- 97/ Li X., W. Xu, S. Jonsson, Y. **Klinger**, G. Zhang. Source model of the 2014 Mw6.9 Yutian earthquake at the southwestern end of the Altyn Tagh fault in Tibet estimated from satellite images. *Seismol. Res. Lett.*, XX, 1-10, doi : 10.1785/0220190361, 2020.
- 96/ Lauer\* B., Grandin R., **Klinger** Y. Fault geometry and slip distribution of the 2013 Mw7.7 Balochistan earthquake from inversion of SAR and optical data. *J. Geophys. Res. Solid Earth*, doi :10.1029/2019JB018380, 2020.
- 95/ Lefevre\* M., Souloumiac P., Cubas N., **Klinger** Y. Experimental evidence for crustal control over seismic fault segmentation. *Geology*, 48, doi : 10.1130/G47115.1, 2020.

- 94/ Delorme A., Grandin R., **Klinger** Y., Pierrot-Deseilligny M., Feuillet N., Jacques E., Rupnik E., Morishita Y. Complex deformation at shallow depth during the 30 October 2016 Mw6.5 Norcia earthquake : Interference between tectonic and gravity processes ? *Tectonics*, 39, e2019TC005596, doi : 10.1029/2019TC005596., 2020.
- 93/ Saint Fleur\* N., **Klinger** Y., Feuillet N. Detailed map, displacement, paleoseismology, and segmentation of the Enriquillo-Plantain Garden fault in Haiti. *Tectonophysics*, 778, doi : 10.1016/j.tecto.2020.228368. 2020.
- 92/ Bruhat\* L., **Klinger** Y., Vallage A., Dunham E. Influence of fault roughness on surface displacement : from numerical simulations to coseismic slip distribution. *Geophys. J. Int.*, 220, 1857 – 1877, doi : 10.1093/gji/ggz545. 2020.
- 91/ Liu\* S., Xu X., **Klinger** Y., Nocquet J.-M., Chen G., Yu G., Jonsson S. Lower crustal heterogeneity beneath the northern Tibetan Plateau constrained by GPS measurements following the 2001 Mw7.8 Kokoxili earthquake. *J. Geophys. Res.*, 124, doi:10.1029/2019JB017732. 2019.<sup>[1]</sup>
- 90/ Matrau\*, R., **Klinger**, Y., Van der Woerd, J., Liu-Zeng, J., Li, Z., Xu, X., & Zheng, R. Late Pleistocene-Holocene slip rate along the Hasi Shan restraining bend of the Haiyuan fault: implication for faulting dynamics of a complex fault system. *Tectonics*, 38, doi : 10.1029/2019TC005488. 2019.
- 89/ SaintFleur\* N., Feuillet N., **Klinger** Y. Active tectonics along the Cul-de-Sac - Enriquillo trough and seismic hazard for Port-au-Prince, Haiti. *Tectonophysics*, doi : 10.1016/j.tecto.2019.228235. 2019.
- 88/ Okubo\* K., Bhat H., Rougier E., Marty S., Schubnel A., Lei Z., Knight E., **Klinger** Y. Dynamics, radiation, and overall energy budget of earthquake rupture with coseismic off-fault damage. *J. Geophys. Res.*, 124, https://doi.org/10.1029/2019JB017304. 2019.<sup>[1]</sup>
- 87/ Rizza M., Bollinger L., Sapkota S.N., Tapponnier P., **Klinger** Y., Karakas C., Kali E., Etchebe M., Tiwari D.R., Siwakoti I., Bitri A., Bes de Berc S. Post-earthquake aggradation processes to hide surface ruptures in thrust systems : The M8.3, 1934, Bihar-Nepal earthquake ruptures at Charnath Khola (Eastern Nepal). *J. Geophys. Res : Solid Earth*, doi : 10.1029/2018JB016376, sous-presse 2019.
- 86/ Gràcia E., Grevemeyer I., Bartolomé R., Perea H., Martinez-Loriente S., Gomez de la Peña L., Villaseñor A., **Klinger** Y., Lo Lacono C., Diez S., Calahorrano A., Camafont M., Costa S., d'Acremont E., Rabaute A., Ranero C. Earthquake crisis unveils the growth of an incipient continental fault system. *Nature Com.*, 10 :3482, doi : 10.1038/s41467-019-11064-5, 2019.
- 85/ Yao W., Liu-Zeng J., Oskin M., Wang W., Li Zhanfei, V. Prush, Zhang J., Shao Y., Yuan Z., **Klinger** Y. Re-evaluation of the Late Pleistocene slip rate of the Haiyuan fault near Songshan, Gansu province, China. *J. Geophys. Res. : Solid Earth*, 124, doi : 10.1029/2018JB016907, 2019.
- 84/ Scott C., Champenois\* J., **Klinger** Y., Nissen E., Maruyama T., Chiba T., Arrowsmith R. 2016 M7 Kumamoto, Japan, earthquake slip field derived from a joint inversion of differential Lidar topography, optical correlation, and InSAR surface displacements. *Geophys. Res. Lett.*, doi :10.1029/2019GL082202, 2019.
- 83/ Dumont\* S., **Klinger** Y., Socquet A., Escartin J., Grandin R., Jacques E., Medynski S., Doubre C. Rifting processes at a continent-ocean transition rift revealed by fault analysis : Example of Dabbahu-Manda-Hararo rift (Ethiopia). *Tectonics*, 38, doi : 10.1029/2018TC005141, 2019.
- 82/ Cambonie T., **Klinger** Y., Lazarus V., Similarities between mode III crack growth patterns and strike-slip faults., *Philosophical Transaction A*, 377(2136), doi : 10.1098/rsta.2017.0392, 2019.
- 81/ **Klinger** Y., Okubo\* K., Vallage\* A., Champenois\* J., Delorme A., Rougier E., Lei. Z., Knight E., Munjiza A., Satriano C., Baize S., Langridge R., Bhat H., Earthquake damage patterns resolve complex rupture processes. *Geophys. Res. Lett.*, 45, doi :10.1029/2018GL078842, 2018
- 80/ Le Béon\* M., Tseng Ya-Chu, **Klinger** Y., Elias A., Kunz A., Sursock A., Daeron M., Tapponnier P., Jomaa R., High-resolution stratigraphy and multiple luminescence dating techniques to reveal the paleoseismic history of the central Dead Sea Fault (Yammouneh fault, Lebanon). *Tectonophysics*, 738-739, p1-15, doi: 10.1016/j.tecto.2018.04.009, 2018.
- 79/ Kurtz\*, R. **Klinger** Y., Ferry M., Ritz J.-F., Horizontal surface-slip distribution through several

- seismic cycles : The Eastern Bogd fault, Gobi-Altai, Mongolia. *Tectonophysics*, 734-735, p167-182, doi : 10.1016/j.tecto.2018.03.011, 2018.
- 78/ Civico R., Pucci S., Villani F. and the open EMERGE working group. Surface ruptures following the 30 October 2016 Mw6.5 Norcia earthquake, central Italy. *Journal of Maps*, 14(2), doi : 10.1080/17445647.2018.1441756, 2018.
- 77/ Villani, F., Civico R., Pucci S., Pizzimenti L., Nappi R., De Martini P. & open EMERGE working group, A database of the coseismic effect following the 30 October 2016 Norcia earthquake in Central Italy. *Scientific Data*, 5(180049), doi : 10.1038/sdata.2018.49, 2018.
- 76/ Lefevre\* M., **Klinger** Y., Al-Qaryouti M., Le Béon M., Moumani K., Slip deficit and temporal clustering along the Dead Sea fault from paleoseismological investigations. *Scientific Reports*, 8(4511), doi : 10.1038/s1038/s1598-018-22627-9, 2018.
- 75/ Choi\* J.H., **Klinger** Y., Ferry M., Ritz J.F., Kurtz\* R., Rizza M., Bollinger L., Davaasambuu B., Tsendl-Ayush N., Demberel S., Geologic inheritance and earthquake rupture processes : The 1905 M ≥ 8 Tsetserleg-Bulnay strike-slip earthquake sequence, Mongolia. *J. Geophys. Res. : Solid Earth*, 123, <https://doi.org/10.1002/2017JB013962>, 2018.
- 74/ Wechsler\*, N., Rockwell, T. K., **Klinger**, Y., Variable slip-rate and slip-per-event on a plate boundary fault: The Dead Sea fault in northern Israel. *Tectonophysics*, 722, 210-226, 2018.
- 73/ Gao M., Xu X. **Klinger** Y., Van der Woerd J., Tapponnier P., High-resolution mapping based on an unmanned aerial vehicle (UAV) to capture paleoseismic offsets along the Altyn-Tagh fault, China. *Scientific Reports*, 7(8281), doi : 10.1038/s41598-017-08119-2, 2017.
- 72/ Thomas\* M. Y., Bhat H. S., **Klinger** Y., Effect of brittle off-fault damage on earthquake rupture dynamics. In *Fault Zone Dynamic Processes : Evaluation of Fault Properties During Seismic Ruptures*, *Geophysical Monograph* 227, p. 255-280, edited by M.Y. Thomas, T. M. Mitchell & H. S. Bhat, co-published by AGU and Wiley & Sons, Hoboken, USA, 2017.
- 71/ **Klinger** Y., Choi\* J-H., Vallage\* A., Fault branching and long-term earthquake rupture scenario for strike-slip earthquakes. In *Fault Zone Dynamic Processes : Evaluation of Fault Properties During Seismic Ruptures*, *Geophysical Monograph* 227, p. 217-228, edited by M.Y. Thomas, T. M. Mitchell & H. S. Bhat, co-published by AGU and Wiley & Sons, Hoboken, USA, 2017.
- 70/ Feng G., Jónsson S., **Klinger** Y., Which fault ruptured in the 2008 Wenchuan earthquake and which did not? New evidence from near-fault 3D surface displacements derived from SAR image offsets. *BSSA*, 107(3), doi :10.1785/0120160126, 2017.
- 69/ Dumont\* S., **Klinger** Y., Socquet A., Doubre C., Jacques E., Magma influence on propagation of normal faults : Evidence from cumulative slip profiles along Dabbahu-Manda-Hararo rift segment (Afar, Ethiopia). *J. Struct. Geol.*, 95, 48 – 59, doi :10.1016/j.jsg.2016.12.008, 2017.
- 68/ Gui-XI Y., Long F., Vallage A., **Klinger** Y., Liang MJ, Wang SW., Focal mechanism and tectonic deformation in the seismogenic area of the 2013 Lushan earthquake sequence, Southwest China, *Chinese J. of Geophys.- Chinese edition*, 59(10), 3711-3731, doi:10.6038/cjg20161017, 2016.
- 67/ Vallage\* A., **Klinger** Y., Lacassin R., Delorme A., Pierrot-Deseilligny M., Geological structures control on earthquake ruptures : the Mw7.7, 2013 Balochistan earthquake, Pakistan. *Geophys. Res. Lett.*, 43, doi :10.1002/2016GL070418, 2016
- 66/ Rupnik E., Pierrot Deseilligny M., Delorme A., **Klinger** Y., Refine satellite image orientation in the free open-source photogrammetric tools Apero/Micmac, 3(1), 83-90, *ISPRS Annals of Photogram., Remote Sensing and Spatial Information Sciences*, doi : 10.5194/isprsannals-III-1-83-2016, 2016.
- 65/ Jourdain\* A., Singh S.C., Escartin R., **Klinger** Y., Raju K.A.K., McArdle J., Crustal accretion at a sedimented spreading center in the Adaman Sea., 44(5), 351-354, *Geology*, doi:10.1130/G37537.1, 2016.
- 64/ Bollinger L., Tapponnier P., Sapkota S.N., **Klinger** Y., Slip deficit in central Nepal : omen for a repeat of the 1344 AD earthquake ? *Earth, Planets and Space*, 68(12), doi :10.1186/s40623-016-0389-1, 2016.
- 63/ Dumont\* S., Socquet A., Grandin R., Doubre C., **Klinger** Y., Surface displacements on faults triggered by slow magma transfers between dyke injections in the 2005-2010 rifting episode at Dabbahu-Manda-Hararo rift (Afar, Ethiopia). *Geophys. J. Int.*, 204, 399-417, doi : 10.1093/gji/ggv449, 2016.

- 62/ Liu-Zeng, J., Y. Shao, Y. **Klinger**, K. Xie, D. Yuan, and Z. Lei, Variability in magnitude of paleoearthquakes revealed by trenching and historical records, along the Haiyuan fault, China, *J. Geophys. Res. Solid Earth*, **120**, doi:[10.1002/2015JB012163](https://doi.org/10.1002/2015JB012163), 2015.
- 61/ Saint Fleur\*, N., N. Feuillet, R. Grandin, E. Jacques, J. Weil-Accardo, Y. **Klinger**. Seismotectonics of southern Haiti: A new faulting model for the 12 January 2010 M7 earthquake, *Geophys. Res. Lett.*, **42**, doi:[10.1002/2015GL065505](https://doi.org/10.1002/2015GL065505), 2015.
- 60/ Grandin, R., Vallée M., Satriano C., Lacassin R., **Klinger** Y., Simoes M., Bollinger L., Rupture process of the Mw=7.9 2015 Gorkha earthquake (Nepal): Insights into Himalayan megathrust segmentation. *Geophys. Res. Lett.*, **42**, doi : 10.1002/2015GL066044. 2015.
- 59/ Vallage\* A., **Klinger** Y., Grandin R., Bhat H.S., Pierrot-Deseilligny M., Inelastic surface deformation during the 2013 Mw7.7 Balochistan, Pakistan, earthquake. *Geology*, **43**(12), 1079-1082, doi :[10.1130/G37290.1](https://doi.org/10.1130/G37290.1). 2015.
- 58/ **Klinger** Y., Tectonics of the Levant fault system. *C.R. Geosciences*, doi : 10.1016/j.crte.2015.06.008, 2015.
- 57/ Goren L., Castelltort S., **Klinger** Y., Modes and rates of horizontal deformation from rotated river basins : Application to the Dead Sea system in Lebanon. *Geology*, **43**(9), 843-846, doi : 10.1130/G36841.1, 2015.
- 56/ **Klinger** Y., Le Béon M., Al-Qaryouti M., 5000 yr of paleoseismicity along the southern Dead Sea fault. *Geophys. J. Int.*, **202**, 313 – 327, doi : 10.1093/gji/ggv134, 2015.
- 55/ Jolivet R., Candela T., Lasserre C., Renard F., **Klinger** Y., Doin M.-P., The burst-like behavior of aseismic slip on a rough fault : the creeping section of the Haiyuan fault, China. *Bul. Seis. Soc. Am.*, **105**(1), 480-488, doi : 10.1785/0120140237, 2015.
- 54/ Masson F., Hamiel Y., Agnon A., **Klinger** Y. Deprez A., Variable behavior of the Dead Sea Fault along the southern Arava segment from GPS measurements. *C. R. Geoscience*, <http://dx.doi.org/10.1016/j.crte.2014.11.001>. 2015.
- 53/ Zielke, O., **Klinger** Y., Arrowsmith J.R., Fault slip and earthquake recurrence along strike-slip faults – Contributions of high-resolution geomorphic data. *Tectonophysics*, **638**, 43-62, doi: 10.1016/j.tecto.2014.11.004, 2015.
- 52/ Vargas G., **Klinger** Y., Rockwell T., Forman S. Rebolledo S., Baize S., Lacassin R., Armijo R., Probing large intraplate earthquakes at the west flank of the Andes. *Geology*, **42**, 1083-1086, doi :[10.1130/G35741.1](https://doi.org/10.1130/G35741.1), 2014.
- 51/ Bollinger L., Sapkota S., Tapponier P., **Klinger** Y., Rizza M., Van der Woerd J., Tiwari D., Pandey R., Bitri A., Bes de Berc S., Estimating the return times of great Himalayan earthquakes in eastern Nepal : Evidence from the Patu and Bardibas strands of the Main Frontal Thrust. *J. Geophys. Res. Solid Earth*, **119**, doi : 10.1002/2014JB010970, 2014.
- 50/ Wechsler\* N., Rockwell T., **Klinger** Y., Stepancikova P., Kanari M., Marco S., Agnon A., A paleoseismic record of earthquakes for the Dead Sea transform fault between the first and seventh centuries C.E. : Nonperiodic behavior of a plate boundary fault. *Bull. Seis. Soc. Am.*, **104** (3), doi :[10.1785/0120130304](https://doi.org/10.1785/0120130304), 2014.
- 49/ Vallage\* A., Deves M. H., **Klinger** Y., King G.C.P., Ruppert N., Localized slip and distributed deformation in oblique settings: the example of the Denali fault system, Alaska. *Geophys. J. Int.*, **197**, 1284 – 1298, doi:[10.1093/gji/ggu100](https://doi.org/10.1093/gji/ggu100), 2014.
- 48/ Rosu A.M., Pierrot-Deseilligny M., Delorme A., Binet R., **Klinger** Y. Measurement of ground displacement from optical satellite image correlation using the free open-source software MicMac. *ISPRS J. of Photogram. Remote Sensing.*, **100**, 48-59, doi:[10.1016/j.isprsjprs.2014.03.002](https://doi.org/10.1016/j.isprsjprs.2014.03.002), 2015.
- 47/ Meade B.J., **Klinger** Y., Hetland E., Inference of multiple earthquake-cycle relaxation timescales from irregular geodetic sampling of interseismic deformation. *Bull. Seis. Soc. Am.*, **103** (5), p. 2824-2835, doi:[10.1785/0120130006](https://doi.org/10.1785/0120130006), 2013.
- 46/ Chen G., Xu X., Zhu A., Zhang X., Yuan R., **Klinger** Y., Nocquet JM., Seismotectonics of the 2008 and 2009 Qaidam earthquakes and its implication for regional tectonics. *Acta Geologica Sinica – English Edition*, **87** (2), 618-628, doi: 10.1111/1755-6742.12072, 2013.

- 45/ Rockwell K. T., **Klinger** Y., Surface rupture and slip distribution of the 1940 Imperial Valley earthquake, Imperial fault, southern California: implications for rupture segmentation and dynamics, *Bull. Seis. Soc. Am.*, **103** (2A), p 629-640, doi: 10.1785/0120120192, 2013.
- 44/ Sapkota\* S.N., Bollinger L., **Klinger** Y., Tapponnier P., Gaudemer Y., Tiwari D., Primary surface ruptures of the great Himalayan earthquake in 1934 and 1255, *Nature Geoscience*, **6**, p. 71-76, doi: 10.1038/NGEO1669, 2013.
- 43/ Le Béon\*, M., Y. **Klinger**, A.-S. Mériaux, M. Y. Al-Qaryouti, R. C. Finkel, O. T. Mayyas, and P. Tapponnier, Quaternary morphotectonic mapping of the Wadi Araba and implications for the tectonic activity of the southern Dead Sea fault, *Tectonics*, **31**, TC5003, doi:10.1029/2012TC003112, 2012.
- 42/ Candela T., Renard F., **Klinger** Y., Mair K., Schmittbuhl J., Brodsky E. E., Roughness of fault surfaces over nine decades of length scales. *J. Geophys. Res.*, **117**, B08409, doi :10.1029/2011JB009041, 2012.
- 41/ Tan X., Yuan R., Xu X., Chen G., **Klinger** Y., Chang C., Ren J., Xu C., Li K., Complex surface rupturing and related formation mechanisms in the Xiaoyudong area for the 2008 Mw 7.9 Wenchuan earthquake, China. *J. Asian Earth Sc.*, **58**, p. 132 – 142, 2012.
- 40/ Deves M., King G.C.P., **Klinger** Y., Agnon A., Localised and distributed deformation in the lithosphere : Modelling the Dead Sea region in 3 dimensions. *EPSL*, **308**, doi:10.1016/j.epsl.2011.05.044, 2011.
- 39/ **Klinger** Y., Etchebes\* M., Tapponnier P., Narteau C., Characteristic slip for five great earthquakes along the Fuyun fault in China. *Nature Geoscience*, **4**, 389-392, doi:10.1038/ngeo1158, 2011.
- 38/ De Michele M., Roucoules D., Lasserre C., Pathier E., **Klinger** Y., Van der Woerd J., De Sigoyer J., Xu X., The *Mw* 7.9, 12 May 2008 Sichuan earthquake rupture measured by sub-pixel correlation of ALOS PALSAR amplitude images. *Earth Planets Space*, **62**, 875 – 879, doi:10.5047/eps.2009.05.002, 2010.
- 37/ Le Béon\* M., **Klinger** Y., Al-Qaryouti M., Mériaux A.S., Finkel R.C., Elias A., Mayyas O., Ryerson F.J., Tapponnier P., Early Holocene and Late Pleistocene slip rates of the southern Dead Sea Fault determined from 10Be cosmogenic dating of offset alluvial deposits. *J. Geophys. Res.*, **115**, B11414, doi:10.1029/2009JB007198, 2010.
- 36/ Hubbard J., Shaw J.H., **Klinger** Y., Structural setting of the 2008 Mw7.9 Wenchuan, China, earthquake. *Bull. Seis. Soc. Am.*, **100** (5B), 2713 – 2735, doi: 10.1785/0120090341, 2010.
- 35/ Yuan R., Xu X., Chen G., Tan X., **Klinger** Y., Xing H., Ejection landslide at northern terminus of Beichuan rupture triggered by the 2008 Mw7.9 Wenchuan earthquake. *Bull. Seis. Soc. Am.*, **100** (5B), 2689 – 2699, doi: 10.1785/0120090256, 2010.
- 34/ Yu G., Xu X., **Klinger** Y., Diao G., Chen G., Feng X., Li C., Zhu A., Yuan R., Guo T., Sun X., Tan X., An Y., Fault-scarp features and cascading-rupture model for the Mw7.9 Wenshuan earthquake, Eastern Tibetan plateau, China. *Bull. Seis. Soc. Am.*, **100** (5B), 2590 – 2614, doi: 10.1785/0120090255, 2010.
- 33/ **Klinger** Y., Ji C., Shen Z. K. Bakun W. H., Introduction to the special issue on the 2008 Wenchuan, China, earthquake. *Bull. Seis. Soc. Am.*, **100** (5B), 2353 – 2356, doi: 10.1785/0120100172, 2010.
- 32/ **Klinger** Y., Relation between continental strike-slip earthquake segmentation and thickness of the crust. *J. Geophys. Res.*, **115**, B07306, doi:10.1029/2009JB006550, 2010.
- 31/ Richon P., **Klinger** Y., Tapponnier P., Li C.X., Van der Woerd J., Perrier P., Measuring radon flux across active faults : Relevance of excavating and possibility of satellite discharges. *Radiat. Meas.*, **45**, 211-218, doi:10.1016/j.radmeas.2010.01.019, 2010.
- 30/ Grandin R., Socquet A., Binet R., **Klinger** Y., Jacques E., De Chabalier J.B., King G., Lasserre C., Tait S., Tapponnier P., Delorme A., Pinzuti P., The September 2005 Ado'Ale rifting crisis, Afar (Ethiopia) :constraints provided by geodetic data. *J. Geophys. Res.*, **114**, B08404, doi :10.1029/2008JB005843, 2009.
- 29/ Rockwell T., Ragona D., Seitz G., Langridge R., Aksoy M. E., Ucarkus G., Ferry M., Meltzner A., **Klinger** Y., Meghraoui M., Satir D., Barka A., Akbalik B., Paleoseismology of the North Anatolian fault near the Marmara Sea : Implications for fault segmentation and seismic hazard. *Geological Society, London, Special Publication*, **316**, 31 – 54, doi :10.1144/SP316.3, 2009.
- 28/ Xu X., Wen X., Yu G., Chen G., **Klinger** Y. , Hubbard, J., Shaw J., Co-seismic reverse- and oblique-slip surface faulting generated by the 2008 Mw 7.9 Wenshuan earthquke, China., *Geology*, **37** (6), 515 – 518, doi: 10.1130/G25462A.1, 2009.

- 27/ Xu X., Yu G., Ma W., **Klinger** Y., Tapponnier P., Rupture behavior and deformation localisation of the Kunlun earthquake (Mw7.8) and their tectonic implications., *Science in China serie D-earth sciences*, 51, 10, 1361-1374, doi : 10.1007/s11430-008-0099-z, 2008.
- 26/ Le Béon\* M., **Klinger** Y., Amrat A. Q., Agnon A., Dorbath L., Baer G., Ruegg JC., Charade O., Mayyas O. Slip rate and locking-depth from GPS profiles across the southern Dead Sea Transform. *J. Geophys. Res.*, **113**, B11403, doi : 10.1029/2007JB005280, 2008.
- 25/ Vallée M., Landès M., Shapiro N. M., **Klinger** Y. The 2001/11/14 Kokoxili (Tibet) earthquake: high frequency seismic radiation originates from the transitions between subRayleigh and supershear rupture velocity regimes. *J. Geophys. Res.*, **113**, B07305, doi : 10.1029/2007JB005520, 2008.
- 24/ Elias A., Tapponnier P., Singh S., King G.C.P., Briais A., Daëron M., Carton H., Sursock A., Jacques E., Jomaa R., **Klinger** Y. Active thrusting offshore Mount Lebanon : source of the tsunamigenic, 551 AD Beirut-Tripoli earthquake. *Geology*, **35**, 8, 755-758, 2007.
- 23/ Daëron\* M., **Klinger** Y., Tapponnier P., Elias A., Jacques E., Sursock A., 12,000-year-long record of up to 14 paleo-earthquakes on the Yammoûneh fault (Levant fault system). , *Bull. Seis. Soc. Am.*, **97**, 3, 749-771, 2007.
- 22/ Bhat H., Dmowska R., King G., **Klinger** Y., Rice J., Off-fault damage patterns due to supershear ruptures with application to the 2001 Mw 8.1 Kokoxili (Kunlun) Tibet earthquake. *J. Geophys. Res.*, **112**, B06301, doi:10.1029/2006JB004425, 2007.
- 21/ Liu\* J., **Klinger** Y., Xu X., Lasserre C., Chen G., Chen W., Tapponnier P., Zhang B., Millenial recurrence of large earthquakes on the Haiyuan fault near Songshan, Gansu province, China. *Bull. Seis. Soc. Am.*, **97**, 1B, 14 – 34, 2007.
- 20/ Hofstetter R., **Klinger** Y., Abdel-Qader A., Rivera L., Dorbath L., Stress tensor and focal mechanisms along the Dead Sea Fault and related structural elements based on seismological data. *Tectonophysics*, **429**, 165-181, 2007
- 19/ Xu X., Yu G., **Klinger** Y., Tapponnier P., Van der Woerd J., Re-evaluation of surface rupture parameters and faulting segmentation of the 2001 Kunlunshan earthquake (Mw 7.8), northern tibet plateau, China. *J. Geophys. Res.*, **111**, B05316, doi :10.1029/2004JB003488, 2006.
- 18/ Van der Woerd J., **Klinger** Y., Sieh K., Tapponnier P., Ryerson F.J. and Mériaux A.S., Long-term slip rate of the southern San Andreas fault, from 10Be-26Al surface exposure dating of an offset alluvial fan. *J. Geophys. Res.* , **111**, B04407, doi :10.1029/2004JB003559. 2006.
- 17/ **Klinger** Y., Michel R., King G.C.P., Evidence for a barrier model from Mw7.8 Kokoxili (Tibet) earthquake slip-distribution. *EPSL*, **242**, 354-364, 2006.
- 16/ Liu-Zeng, J., Y. **Klinger**, K. Sieh, C. Rubin, and G. Seitz, Serial ruptures of the San Andreas fault, Carrizo Plain, California, revealed by three-dimensional excavations, *J. Geophys. Res.*, **111**, B02306, doi:10.1029/2004JB003601, 2006.
- 15/ Lasserre C., Peltzer G., Crampé F., **Klinger** Y., Van der Woerd J., Tapponnier P., Co-seismic deformation of the Mw =7.8 Kokoxili earthquake in Tibet, measured by SAR interferometry. *J. Geophys. Res.*, **110** (B12), B12408, doi:10.1029/2004JB003500, 2005.
- 14/ **Klinger** Y., Xu X., Tapponnier P., Van der Woerd J., Lasserre C., King G. High-resolution satellite imagery mapping of the surface rupture and slip distribution of the Mw ~7.8, 14 november 2001 Kokoxili earthquake, Kunlun fault, northern Tibet, China. *Bull. Seis. Soc. Am.*, **95** (5),1970-1987, 2005.
- 13/ Li H., Van der Woerd J., Tapponnier P., **Klinger** Y., Qi X., Yang J., Zhu Y. Slip rate on the Kunlun fault at Hongshui Gou, and reccurence time of great events comparable to the 14/11/2001, Mw~7.9 Kokoxili earthquake. *EPSL*, **237**, 285-299, 2005.
- 12/ Daëron\* M., **Klinger** Y., Tapponnier P., Elias A., Jacques E., Sursock A. Sources of the large AD 1202 and 1759 near east earthquakes. *Geology*, **33**, 529-532, 2005.
- 11/ King G., **Klinger** Y., Bowman D., Tapponnier P., Slip-partitioned surface breaks for the Mw 7.8, 2001, Kokoxili earthquake, China. *Bull. Seis. Soc. Am.*, **95**, 731-738, 2005.
- 10/ Closson D., Abou Karaki N., **Klinger** Y., Hussein M.J., Subsidence and sinkhole hazard assessment in the southern Dead Sea area, Jordan. *Pageoph*, **162**, 221-248, 2005.

- 9/ Liu J., Klinger Y., Sieh K., Rubin C. Six similar, sequential ruptures of the San Andreas Fault, Carrizo Plain, California. *Geology*, **32**, 649-652, 2004.
- 8/ Klinger Y., Sieh K., Altunel E., Akoglu A., Barka A., Dawson T., Gonzales T., Meltzner A., Rockwell T., Paleoseismic evidence of characteristic slip on the western segment of the North Anatolian fault, Turkey. *Bull. Seis. Soc. Am.*, **93**, 2317 – 2332, 2003.
- 7/ Klinger Y., Avouac J.P., Bourles D., Tisnerat N., Alluvial deposition and lake-level fluctuations forced by Late Quaternary climate change: the Dead-Sea case example. *Sedimentary Geology*, **162**, 119-139, 2003.
- 6/ Rockwell T., Lindvall S., Dawson T., Langridge R., Lettis W., Klinger Y., Lateral offsets on surveyed cultural features resulting from the 1999 Izmit and Duzce earthquakes, Turkey. *Bull. Seis. Soc. Am.*, **92**, 79-94, 2002.
- 5/ Van der Woerd J., Meriaux A.S., Klinger Y., Tapponnier P., Ryerson F.J., Gaudemer Y., The 14 november 2001, Mw 7.8 Kokoxili earthquake in northern Tibet (Qinghai Province, China). *Seis. Res. Lett.*, **73**, 125-135, 2002.
- 4/ Klinger Y., Avouac J.P., Dorbath L., Abou Karaki N., Bourles D., Reyss J.L. Slip-rate on the Dead Sea transform fault in northern Araba valley (Jordan). *Geophys. J. Int.*, **142**, 755-768, 2000.
- 3/ Klinger Y., Avouac J.P., Dorbath L., Abou Karaki N., Tisnerat N. Seismic behavior of the Dead Sea fault along Araba valley (Jordan). *Geophys. J. Int.*, **142**, 769-782, 2000.
- 2/ Klinger Y., Michel R., Avouac J.P. Co-seismic deformation during the  $M_w$  7.3 Aqaba earthquake (1995) from ERS-SAR interferometry. *Geophys. Res. Lett.*, **27**, 3651-3654, 2000.
- 1/ Klinger Y., Rivera L., Haessler H. et Maurin J.C. Active faulting in the gulf of Aqaba : New knowledge from the  $M_w$  7.3 earthquake of 22 November 1995. *Bull. Seis. Soc. Am.*, **89**, 1025-1036, 1999.