Curriculum Vitae
Yann Klinger
(February 2026)

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

Professional address
Tectonics
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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.
- Since 2024, Deputy director of IPGP for spatial affairs.

- August 2007 – August 2008: invited professor at the Earth and Planetary Sciences Dpt., Harvard University, USA. Hosts : J. Rice et J. Shaw.
- 2015 - 2020 Adjunct Prof., San Diego State University, California, USA
- January 2020 – July 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 Mueller medal for Tectonics and Struct. Geology, EGU.
- 2024, Honorary professor, Tianjin University, China

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€
2020 – 2024, co-PI of research project with KIGAM, South Korea, 250 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€
2024 – 2029, PI of *BE_FACT* project funded by ERC, 2.5 M€
2025 – 2027, PI of research project funded by EDF, 180 k€

Teaching:

2006 – current: Lead teacher "Earthquake cycle, from earthquakes to deformation", master2 level, yearly class, taught in English.
2010 – current: "Active faulting field class 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
November2019, 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 Centenial 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.
September 2024, Peiyang Lecture, Tianjin Univ., China.
March 2025, Dpt seminar, UCBL, Lyon, France.
April 2025, Dpt seminar, CUG, Beijing, China.
April 2025, Dpt seminar, USTC, Hefei, China.
July 2025, Dpt seminar, Zheijiang Univ., China.
November 2025, Invited talk KAUST, Saudi Arabia.
November 2025, Dpt seminar, Geoazur, Nice, France.
February 2026, Dpt seminar, Scripps-UCSD, San Diego, USA.

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, France.
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 Assistant Prof. UM6P, Maroc.
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 - 2023, Rémi Matrau, PhD in KAUST, now in private sector geomatics.
2017 – 2021, Mathieu Ribot, now working for ESRI, France.
2018 - 2022, Solene Antoine (OSPA AGU Award 2020), now post-doctoral fellow at Caltech.
2018 – 2023, Rihab Sassi (co-supervision with S. Hok), now working in private sector.
2020 – 2024, Sarah El-Kadri (presentation award SSA 2022, co-supervision with C. Beauval, ISTerre). now assistant prof. American Univ. Middle East, Koweit.
2019 - 2025, Ganzorig Davaasuren, now seismologist at Institute of Astronomy and Geophysics, Mongolia.
2022 – 2025, Nicolas Pinzon, now post-doc. in KAUST, Saudi Arabia.

2021 – present, Arthur Delorme, PhD candidate
2023 – present, Adelaide Allemand, PhD candidate
2024 - present, Laure Manceau, PhD candidate (co-supervision with L. Bollinger)
2024 - present, Batul Nemer, PhD candidate (co-supervision with C. Beauval)
2025 - present, Adarsh Dwivedi, PhD candidate (co-supervised with L. Scholtes)
2025 - present, Perrine Salvan, 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.
2023 – 2025, Wenqian Yiao, now faculty at Tianjin Univ., China.
2022 – 2025, Lulin Zhang, CNES post-doctoral fellow. Now research engineer at CNRS.

2025 - present C. Siebert, funded on ANR CAST.

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 marine geophysics on R/V Thuwal, detailed bathymetry in the Gulf of Aqaba, Saudi Arabia
- July 2020: Responsible for paleoseismology field work in Iceland
- 2024 & 2025, responsible for paleoseismology fieldwork in Indonesia.

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 - 2026, Chair of EGU session "Across the time scales, from earthquakes to earthquake cycle", EGU meeting 2023, 2024, 2025.
2023, Co-chair of EGU session " Special session on the Turkey and Syria earthquakes and tsunami", EGU meeting 2023.
2024, International scientific board of IGC24, Busan, South Korea.
2025, Organization of international workshop Lithodef25, "Deformation of the Lithosphere, state of the art and direction for the futur", Paris, France.

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

Consulting, expertise, and community service

2014, Expertise for International Atomic Energy Agency: Assessment of seismic hazard of a nuclear installation, Chile.
2012, 2014, 2023 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.
2018 – 2024, advisor on Active Tectonics for the geological survey of South Korea (KIGAM).
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.
2024, External Review Committee KAUST, Saudi Arabia.
2024, consultancy, private sector, seismic hazard, Israel.

Since 2017, chair of the Scientific Board of IPGP.
2020 – present, Member of the Advisory Board of the Institute of Rock Structure and Mechanics of the Czech Academia of Science.
2024 – present, M. Tharp medal committee member, EGU.

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.*
-2024-2025, guest editor special BSSA issue for the 25 years of the Chi-Chi earthquake.
-2026-present, guest editor special issue BSSA about paleoseismology and earthquake geology.

2020 - 2022, Guest editor at *J. Geophys. Res. Solid Earth* for a special issue about large continental earthquakes and faults.
2024, Guest editor at *Tectonophysics* for a special issue about P. Tapponnier scientific legacy

Publications in international peer-review journals

143 papers referenced in web of science (February 2026): Citation **9839**, h-index 55.
Google scholar: Citation 12935, h-index : 60.
(*) signals supervised and co-supervised students.
Most PDF can be found at www.ipgp.fr/~klinger

143/ S.L. Antoine*, Z. Liu, R. Mallick, A. Delorme*, Y. **Klinger**, Kilometer-wide crustal yielding associated with the 2021 Mw7.4 Maduo, Tibet, surface rupture, *Earth and Planetary Sci. Lett.*, 681, 119868, doi.org/10.1016/j.epsl.2026.119868, 2026.

142/ A. Replumaz, J.-P. Avouac, M.-L. Chevalier, Y. **Klinger**, C. Lasserre, P.H. Leloup, J. Liu-Zeng, G. Peltzer, J. van der Woerd, X. Xu., Paul Tapponnier, deciphering the Earth's crust deformation history in the rocks and landscapes. *Tectonophysics*, 231099, doi: 10.1016/j.tecto.2026.231099, 2026.

141/ Han* L., Yao W., Liu-Zeng J., **Klinger** Y., Yan C., Wang P., Shao Y., Reevaluation of geomorphic offsets along the 1920 Haiyuan earthquake rupture, China: A discussion of uncertainties in slip measurements and COPD analyses using high-resolution topography. *Tectonophysics*, 231071, 922, doi: 10.1016/j.tecto.2026.231071, 2026.

140/ Tseng TL, Ma KF, Yen JY, Asimaki D., **Klinger** Y., Mai PM., Introduction to the special section on earthquake hazards 25 years after Chi-Chi: Learning from the past to prepare for the future. *Bull. Seis. Soc. Am*., doi: 10.1785/0120250259, 2025.

139/ Castro-Perdomo N., Jonsson S., **Klinger** Y., Masson F., Becker T.W., Johnson K., Strasin rates along the Alpine-Himalayan belt from a comprehensive GNSS velocity field*, J. Geophys. Res., Solide Earth*, doi:10.1029/2025JB031738, 2025.

138/ Li B., Jonsson S., Suhendi C., Liu Jihong, Li D., Delorme A., **Klinger** Y., Mai P.M., Seismic gap breached by the 2025 Mw 7.7 Mandalay (Myanmar) earthquake. *Nat. Geosci*., doi:10.1038/s41561-025-01861-7, 2025.

137/ Li B., Ulrich T., Gabriel A.-A. Gabriel, Suhendi C., **Klinger** Y., Jonsson S., Mai P. M., Supershear rupture of the 1995 Mw7.2 multi-segment Nuweiba earthquake in the Gulf of Aqaba. *Geophys. Res. Lett*., 52, e2025GL117448, doi: 10.1029/ GL117448, 2025.

136/ Marliyani G.I., **Klinger** Y., Hady A.K., Setianto A., Yao W., Helmi H., Kurniawan T., Kambali R., Sugito Z., Jihad A., Setiawan Y., Rusdin A., Nugraha J., Rohadi S., Triyono R., Karnawati D., Active fault map and paleoseismology results from the Aceh fault in North Sumatra, Indonesia: Unravelling faulting dynamics along the Great Sumatran fault system. *Tectonophys.*, 918, 2309990, doi: 10.1016/j.tecto.2025.230990, 2025.

135/ El-Kadri* S., Beauval C., Brax M., **Klinger** Y., Implementation of an interconnected fault system in probabilistic seismic hazard assessment (PSHA): the Levant fault system. *NHESS*, 25, 3397-3419, doi: 10.5194/nhess-25-3397-2025, 2025.

134/ Xu* F., Lu R., Zhang J., **Klinger** Y., Liu Y., Yang X., Liu G., Wang W., Guo Z., Detailed three-dimensional fault model of the 2022 Mw 6.6 Luding earthquake reveals seismic hazard potential in the southeastern Tibetan plateau. *Scientific Report*, 15, 25799, doi: 10.1038/s41598-025-11553-2, 2025.

133/ Zhang* L., Rupnik E., Nguyen T. D., Jacquesmoud S., **Klinger** Y., BRDF-NeRF: Neural radiance fields with optical images and BRDF modelling. *Int. J. of Applied Earth Observation and Geoinformation*, **143**, 104747, doi: 10.1016/j.jag.2025.104747, 2025.

132/ Liu* Z., Luo H., **Klinger** Y., Wang T., Shear strain evolution spanning the 2020 Mw6.8 Elazig and 2023 Mw7.8/Mw7.6 Kahramanmaras earthquake sequence along the East Anatolian Fault zone, *Geophys. Res. Lett*., 52, e2024GL114033, doi:10.1029/2024GL114033, 2025.

131/ Xu* F., Lu R., Su P., **Klinger** Y., Zhang J., Liu Y., Liu G., The 3D model and growth pattern of the Longquan Shan fault zone in Sichuan basin, China: Implication for the potential earthquake rupture patterns, *J. Struct. Geol*., 195, 105388, doi: 10.1016/j.jsg.2025.105388, 2025.

130/ Liu* S., Xu X., Nocquet J.M., Chen G., Tan X., Jonsson S., **Klinger** Y., Lower crustal thickening drives active uplift in Northern Tibet. *Earth Planet. Sci. Lett.*, 655, 119245, doi: 10.1016/j.epsl.2025.119245, 2025.

129/ Liu J., Jonsson S., Li X., Yao W., **Klinger** Y., Extensive off-fault damage around the 2023 Kahramanmaras earthquake surface ruptures. *Nature Com*., 16:1286, doi:10.1038/s41467-025-56466-w, 2025.

128/ Gouramanis C., Chua S., Etchebes* M., **Klinger** Y., Xu X., Mingxing G., Switzer A., Hancock G., Tapponnier P., Episodic rainfall events characterise complex sediment deposition in a fault-bounded sag pond in Northern China. *Geomorphology*, 470, 109538, doi.org/10.1016/j.geomorph.2024.109538, 2025.

127/ Antoine* S., **Klinger** Y., Wang K., Bürgmann R., Coseismic shallow slip deficit accounted for by diffuse off-fault deformation. *Geophys. Res. Let*., 51, e2024GL110798, doi:10.1029/2024GL110798, 2024.

126/ Pinzon* N., **Klinger** Y., Xu X., Tapponnier P., Liu-Zeng J., Van der Woerd J., Li K., Gao M., Spatiotemporal clustering of large earthquakes along the central-eastern sections of the Altyn Tagh, China. *J. Geophys. Res.: Solid Earth*, 129, e2024JB028912, doi: 10.1029/2024JB028912, 2024.

125/ Wu C.H., Cui P., **Klinger** Y., Tan X.B., Yi S.J., Li, Y.S., Pre-existing off-fault damage can impede coseismic on-fault slip. *Geophys; Res. Let.*, 51, e2024GL111198, doi: 10.1029/2024GL111198, 2024.

124/ Reitman, N. G., **Klinger**, Y., Briggs, R. W., & Gold, R. D. (2024). Limited preservation of strike-slip surface displacement in the geomorphic record. *J. Geophys. Res. Solid Earth*, 129, e2024JB028692. https://doi.org/10.1029/2024JB028692

123/ Lee T., Choi J., Cheon J., Lee S., **Klinger** Y., Daiting drainage reversal using meneral provenance along the Yangsan fault, South Korea. *Sci. Rep.*, 14:22131, doi: 10.1038/s41598-024-73242-w. 2024.

122/ Ribot* M., Lefevre* M., **Klinger** Y., Pons-Branchu E., Dapoigny A., Jónsson S., Vertical deformation along a strike-slip boundary: The uplifted marine terraces of the Gulf of Aqaba and Tiran Island, at the southern end of the Dead Sea Fault, *Tectonics*, 43, e2023TC007977, doi: 10.1029/2023TC007977. 2024.

121/ Saint Fleur* N., Dessable J.E., Saint-Preux G., Calais E., Feuillet N., Boisson D., De Chabalier J.B., Y. **Klinger**., Tectonic, topographic, geologic, and hydroclimatic influence on crack formation during teh 2021 Haiti earthquake, *Geochemistry, Geophysics, Geosystems*, 25, e2023GC011255, doi: 10.1029/2023GC011255. 2024.

120/ Liu-Zeng J., Liu Z., Liu X., Milliner C., Rodriguez Padilla A., Xu S., Avouac JP., Yao W., **Klinger** Y., Han L., Shao Y., Yan X., Aati S., Shao Z., Fault orientation trumps fault maturity in controlling coseismic rupture characteristics of the 2021 Maduo earthquake, *AGU Advances*, 5, e2023AV001134, doi: 10.1029/2023AV001134, 2024.

119/ Li X., Jonsson S., Liu S., Ma Z., Castro-Perdomo N., Cesca S., Masson F., **Klinger** Y., Resolving the slip-rate inconsistency of the northern Dead Sea fault, *Sci. Adv.*, 10, eadj8408, 2024.

118/ Matrau* R., **Klinger** Y., Thordarson T., Guomundsdottir E., Avsar U., Parisi L., Fittipaldi M., Jonsson S., Evidence for Holocene earthquakes along the Husavik-Flatey fault in north Iceland: Implications for the seismic behavior of oceanic transform faults, *Bull. Seismol. Soc. Am.*, 1-28, doi: 10.1785/0120230119, 2024.

117/ Bektas Z., Avsar U., Ribot* M., **Klinger** Y., Jónsson S. Seismo-turbidites reveal locations of major earthquakes during the past millenium in the Gulf of Aqaba, southern Dead Sea Fault, *Earth and Planetary Sci. Let.*, 629, 118595, 10.1016/j.epsl.2024.118595, 2024.

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, *Geology*, doi: 10.1130/G50393.1, 2023.

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., Sodnomsambuu 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.

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