

# Corinth Rift Laboratory - An analysis of the literature 1981-2005 & 2006-2015

*Version of January 7, 2016*

## **Content**

1. Introduction
2. Bibliographic data
3. Areas of interest (CRL and the surrounding areas)
4. Scientific / methodological domains
5. International partnership at CRL and in the broad area
6. Literature of the CRL partners in the CRL area
7. The partners of CNRS in the publications
8. Annex 1: Publications list
9. Annex 2a and 2b: Authors (papers and citations)

## **1. Introduction**

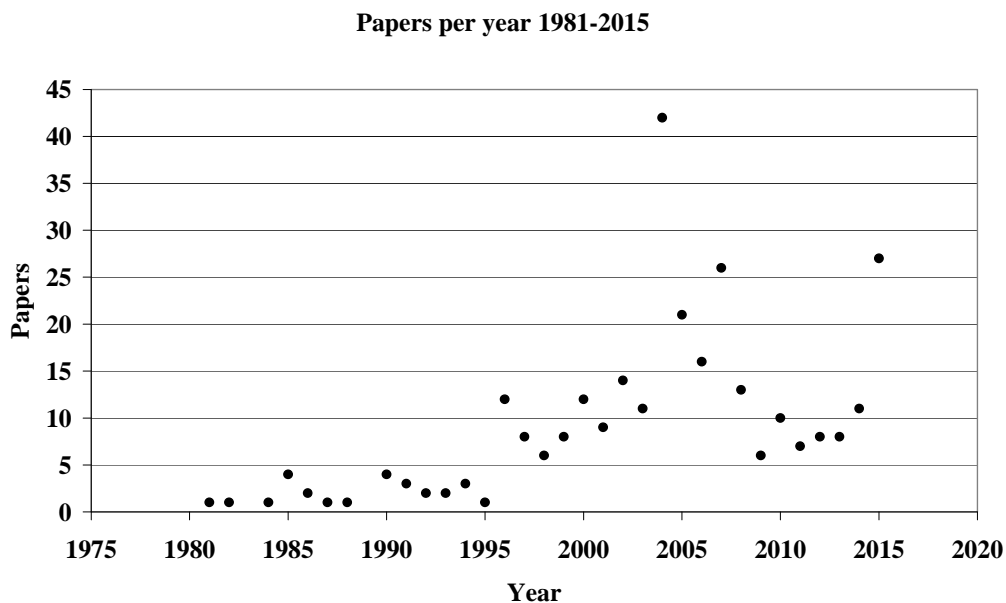
Central Greece and especially the rift of Corinth is an exceptional area in terms of geodynamics, tectonics and faulting, earthquakes, and geology. This area has been studied by European scientists since decades and in particular several precursory works have been made by geologists in the Pindos range since the years 1960. When portable seismometers appeared, Greece has been one of the first countries where aftershocks sequences have been monitored in the field immediately after earthquakes. This has been the case first for the 1978 earthquake in the Migdonian basin near Thessaloniki, then the 1981 sequence near Korinthos, and for the 1986 Kalamata earthquake. All those field deployments and researches were performed by international teams with three leading countries, Greece, France and UK. This trilateral collaboration has, since then and still today, constituted a basement for the development of collaborative researches and project in geophysics in Greece. At the end of the 1980' the area of the Gulf of Corinth (the Corinth rift) became increasingly studied by scientists and several European projects appeared to study more in detail this area and also the gulf of Evvia and the central Greece in general. The Aigion earthquake of 1995 boosted the interest for this region and an ambitious international cluster of projects was supported by the EU to boost the studies of the western part of the rift of Corinth between Aigion and Patras. In the framework of a cluster of European projects, a 1 km deep borehole was drilled in Aigion in 2002 to cut and investigate the Aigion fault and surrounding structures. Another European project (ASSEM) leaded by IFREMER and HCMR focused on the development of technologies to investigate the offshore part of the Corinth rift. The 1999 Athens earthquake re-awaked the interest for the earthquake hazard at the east end of the gulf of Corinth and in Attica, while the 1983 Lefkada earthquake re-awaked the interest for the seismotectonics of the Kefalonia fault area where a very strong earthquake has previously occurred in 1980 and previously the large and still poorly understood 1953 earthquake. Recently the Kefalonia sequence of 2014 and the Lefkada earthquake of 2015 confirmed the importance of studying carefully this hazardous area.

## 2. Bibliographic data

In order to quantify the national and international effort invested in central Greece tectonics since 1980, the teams involved, the topics, etc, 305 papers (see annex) published between 1981 and 2015 are analyzed. These papers and relative to Central Greece and the Ionian Islands (the papers dealing with the Aegean and the subduction at the large scale were discarded). The total number of citations of those 305 papers is 9291. Four papers are highly cited with more than 200 citations:

- Taymaz T, Jackson J, Mc Kenzie D, 1991, Active Tectonics of THE NORTH AND Central AEGEAN SEA, *Geophysical Journal International*, 106(2), 433-490, (564 citations)
- Armijo R, Meyer B, King GCP, Rigo A, Papanastassiou D, 1996, Quaternary evolution of the Corinth Rift and its Implications for the Late Cenozoic evolution of the Aegean, *Geophysical Journal International*, 126(1), 11-53, (369 citations)
- Le Pichon X, Chamot Rooke N, Lallamant S, Noomen R, Veis G, 1995, Geodetic Determination of THE KINEMATICS of Central Greece with Respect TO Europe - Implications FOR Eastern Mediterranean Tectonics, *Journal of Geophysical Research-Solid Earth*, 100(B7), 12675-12690, (326 citations)
- Jackson JA, Gagnepain J, Houseman G, King GCP, Papadimitriou P, Soufleris C, Virieux J, 1982, Seismicity, NORMAL Faulting, AND THE GEOMORPHOLOGICAL DEVELOPMENT of THE GULF of Corinth (Greece) - THE Corinth Earthquakes of FEBRUARY AND MARCH 1981, *Earth and Planetary Science Letters*, 57(2), 377-399, (280 citation)

In the following, the analysis of the publication is made without those four exceptional papers in order not to bias the statistics, *i.e.* by using the remaining 301 papers, corresponding to a total number of citations of 7752. Fig. 1 shows the temporal evolution of the citations and Fig. 2 the citation index of those papers.



**Figure 1:** Evolution of the number of papers between 1981 and 2015.

Fig. 1 shows an increase of the number of publications after 1996 probably as a consequence of the completion of the first series of research works started in 1991 in the Corinth rift amplified by the occurrence of the Aigion earthquake of June 1995. Fig. 2 shows overall high citation scores.

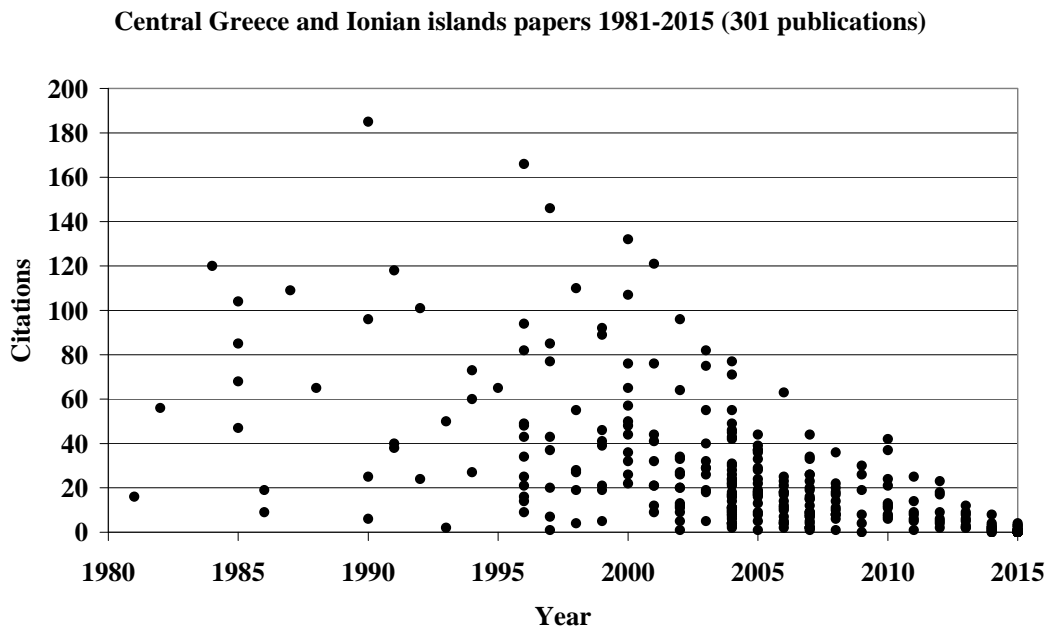


Figure 2: Distribution and citation index of 301 published papers with studies of Central Greece.

### 3. Areas of interest (CRL and the surrounding areas)

In the following, the analysis of the papers indicates spots (Fig. 3) where the science effort is focused.



Figure 3: The four areas of major interest according to the literature: Corinth Rift, Kefalonia fault, Atalanti fault & Evvia, Athens.

Fig. 4a and Fig. 4b show quantitatively the location and the effort put on the various areas of interest. In addition to the four areas, we also considered a fifth category (“Global”) for the papers addressing broad scale topics.

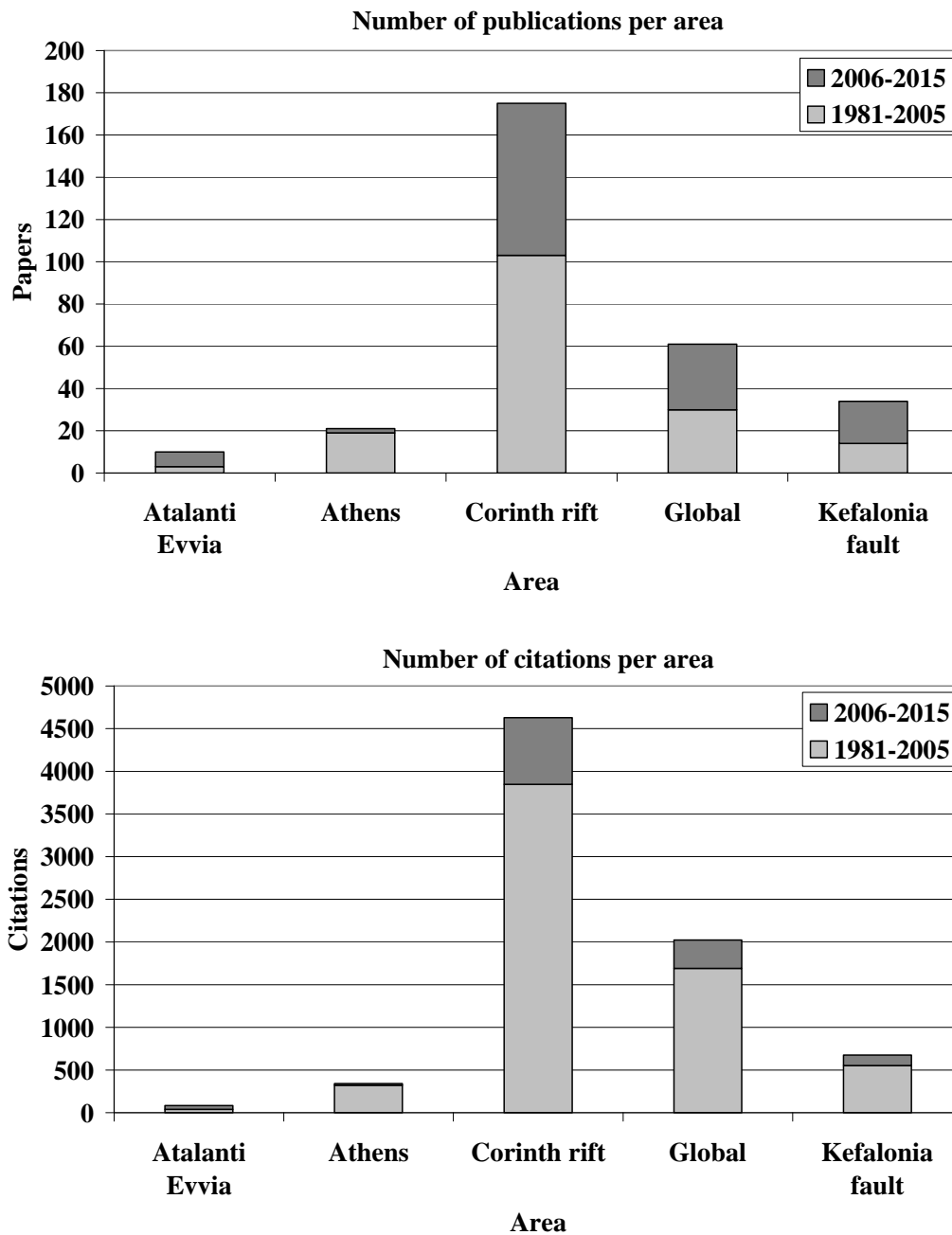
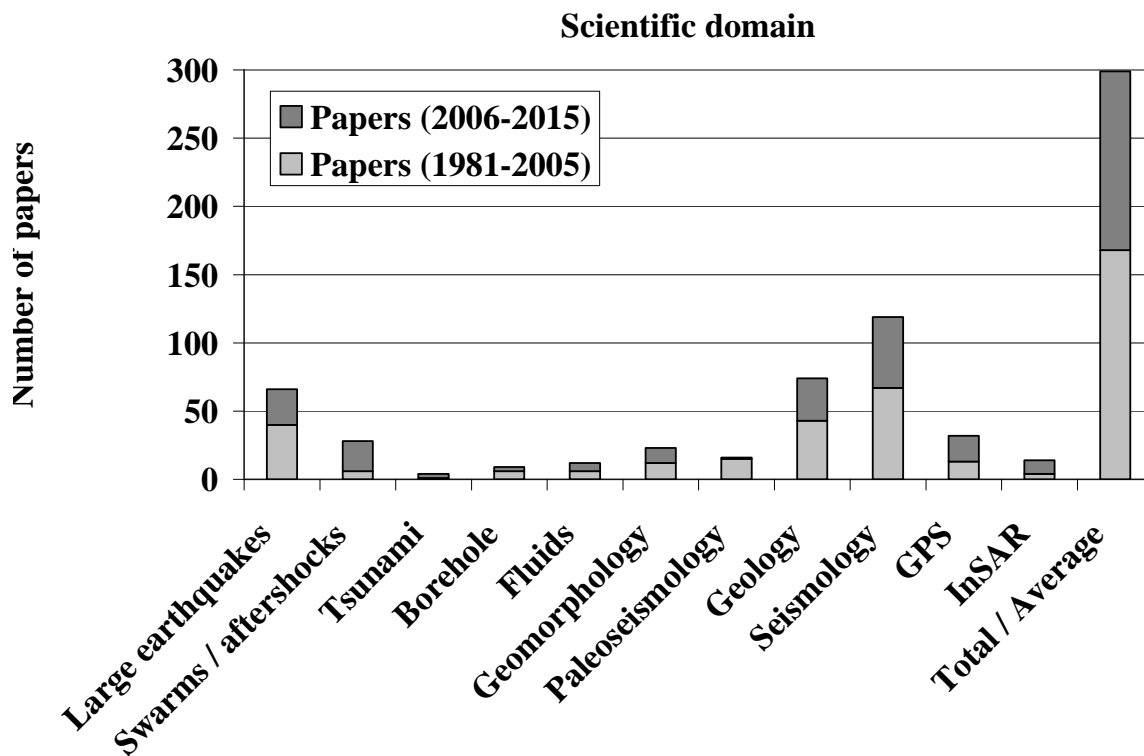


Figure 4: Number of publications (a) and citations (b) for the 301 papers analyzed and for the CRL area and the surrounding area (Atalanti-Evia, Kefalonia fault, Athens area, Global central Greece).

Fig. 4 shows that the Corinth rift area is ahead the other areas in terms of number of publications and citations. At an “event site” like Athens it can be seen how the interest has dropped down in the recent period with respect to the previous one, and the situation is the opposite for the Kefalonia fault region for which several papers have been published recently.

#### 4. Scientific / methodological domains

Fig. 5 shows that three sectors dominate in terms of scientific domain (or thematic): the geological / geodynamical studies (using geological observations and geophysical observations already digested), the seismology (which arrives first among all fields), and the study of large earthquakes which is most of the time a combination of multi-methodological studies.



**Figure 5:** Number of publications per scientific domain. Paleoseismicity also includes some studies of uplifted terraces. Geomorphology includes papers dealing with landslides, drainage, deltas. GNSS includes also conventional geodesy and levelling. Borehole includes also shallow drillings. Geology includes structural studies, strain rates at long time periods, regional tectonics and geodynamics, marine geology

Fig. 6 shows the same general trend but the GNSS rises significantly in terms on impact. This is because geodetic constraints at large and local scale constitute a basic information used by most of the others researchers to constrain their own work. Fig. 7 shows again that the papers on GNSS and the papers on InSAR are more cited than those from the other scientific domain. This is probably because space geodesy (GNSS and InSAR) is providing new and high quality data and constraints.

Citations per scientific domain

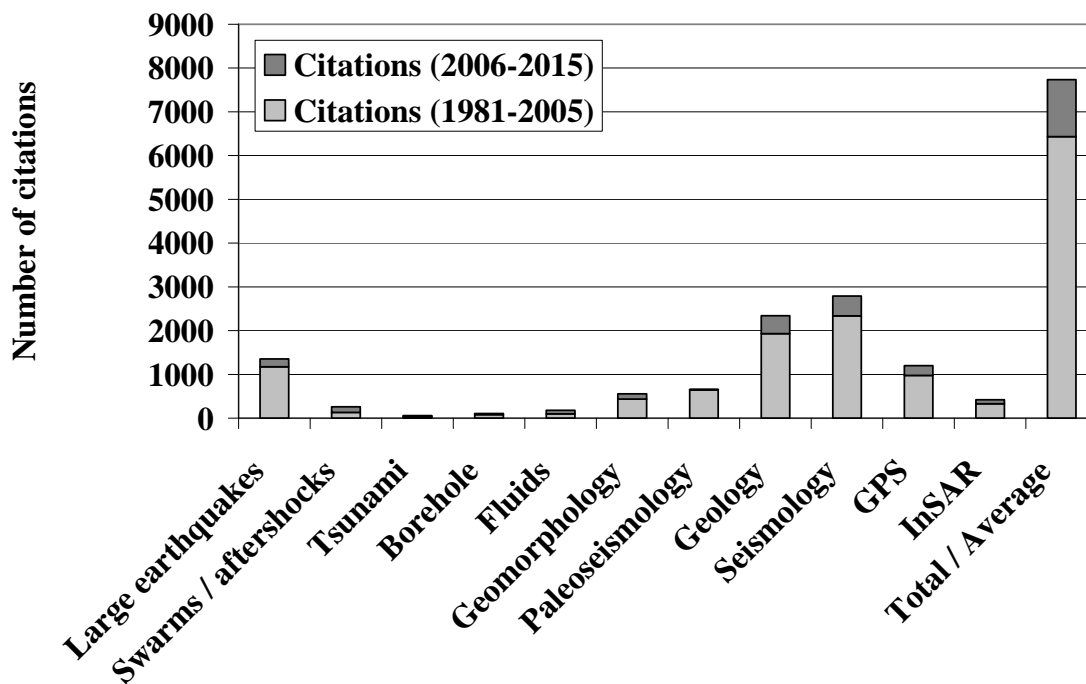


Figure 6: Number of citations per scientific domain.

Citations index per scientific domain

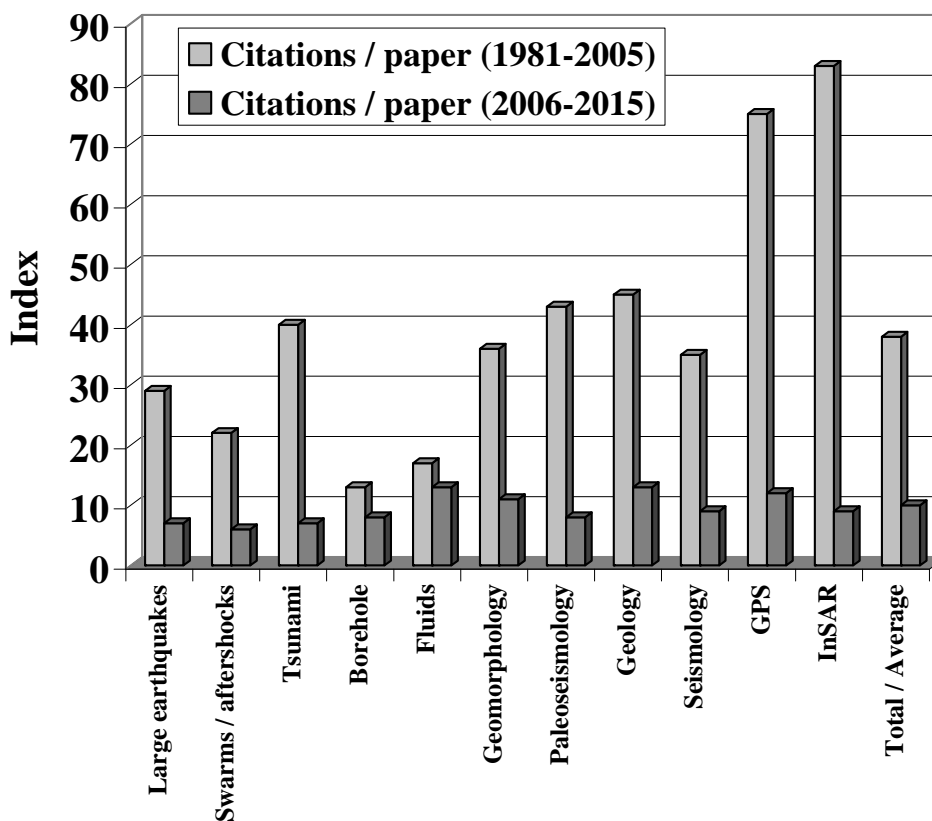
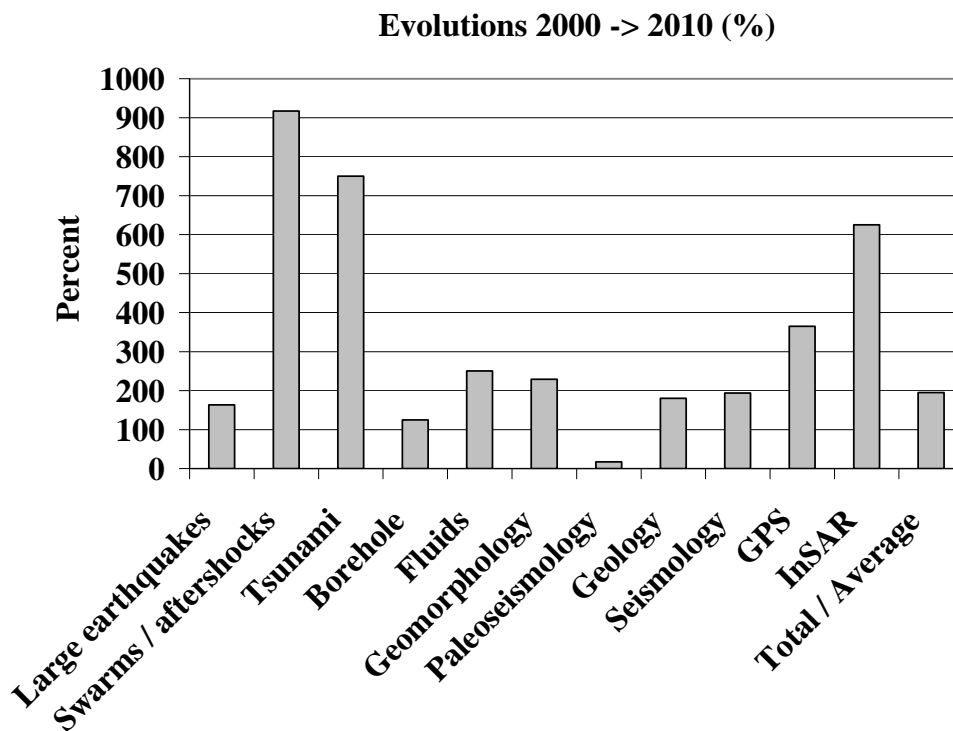


Figure 7: Index of citations per paper for each scientific domain.

Figure 8 shows that in average the number of publications per year has been multiplied by two during the last decade with respect to the previous decade. It shows also three domains that are particularly dynamic: GNSS geodesy (365% of progression), SAR interferometry (625% of progression) and the seismological study of seismic swarms and aftershocks sequences (917% of progression). The population of papers dealing with tsunami is nor sufficient to draw conclusions for that domain. The study of large earthquakes evolves below average probably because the impact of the recent ones (Kefalonia 2014, Movri 2008) is less that that of Corinth 1981 or Aigion 1995, those two events having boosted the research in the area. The earthquakes of Athens 1999 and Lefkada 2003 have been studied in detail but have not triggered major projects afterward. There are very few studies for the 1992 Galaxidi earthquake despite its significant magnitude (M = 5.9).

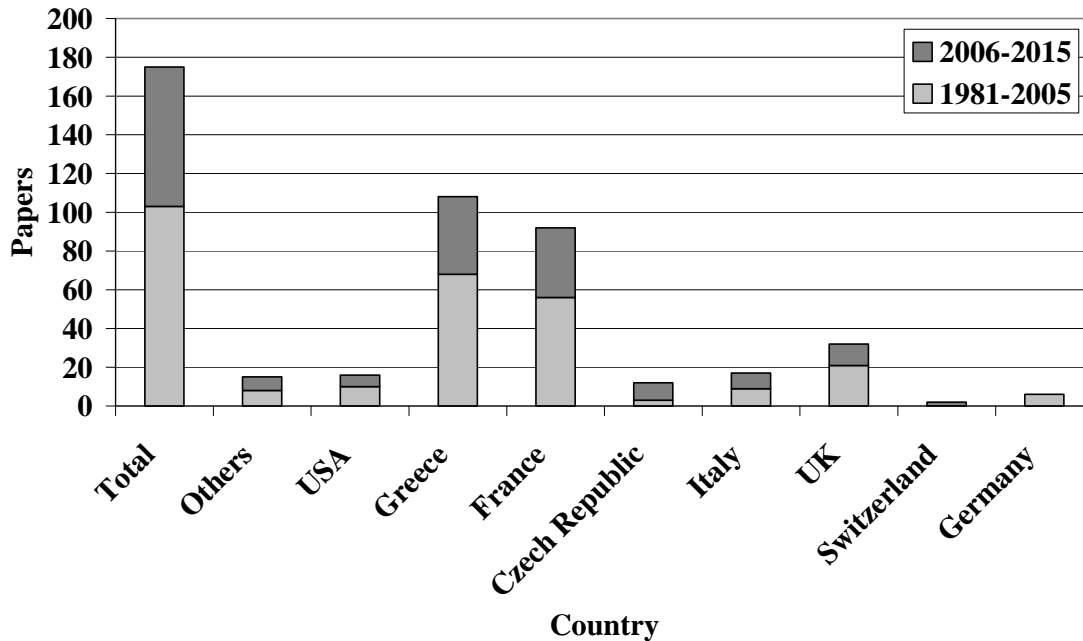


**Figure 8:** Evolution of the number of publications per year between the period 1981-2005 and the period 2006-2015.

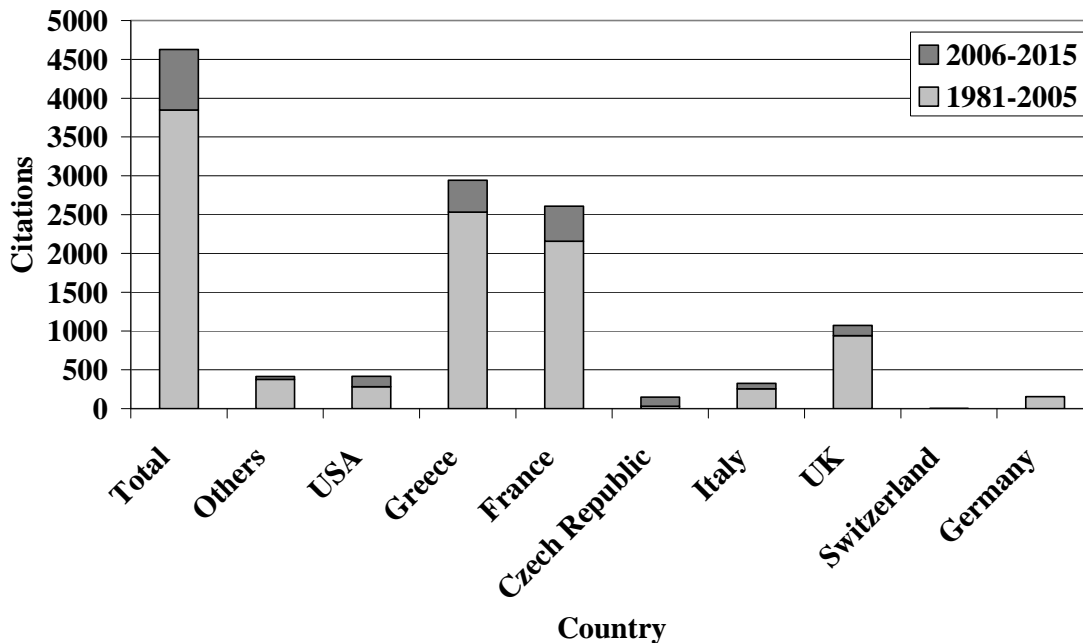
### 5. International partnership at CRL and in the broad area

The analysis is based on the same material constituted by the 301 publications. Fig. 9 shows that the effort in the Corinth Rift Laboratory (CRL), now Near Fault Observatory of EPOS, is dominated by the Greek (various laboratories) and French (mostly CNRS) teams. Fig. 10 shows the statistics for the paper targeting other areas (*i.e.* Global, Kefalonia, Athens, Atalanti-Evvia). Greece dominates these sectors of research, especially in terms of number of publications. Globally, and especially for CRL, the science work involves at least 20 countries, at least 80 different institutions, and more that 1000 different people appear in the publication list. The international partnership is crucial for the research at CRL as well as in the broad area.

### Papers per country (CRL)



### Citations per country (CRL)

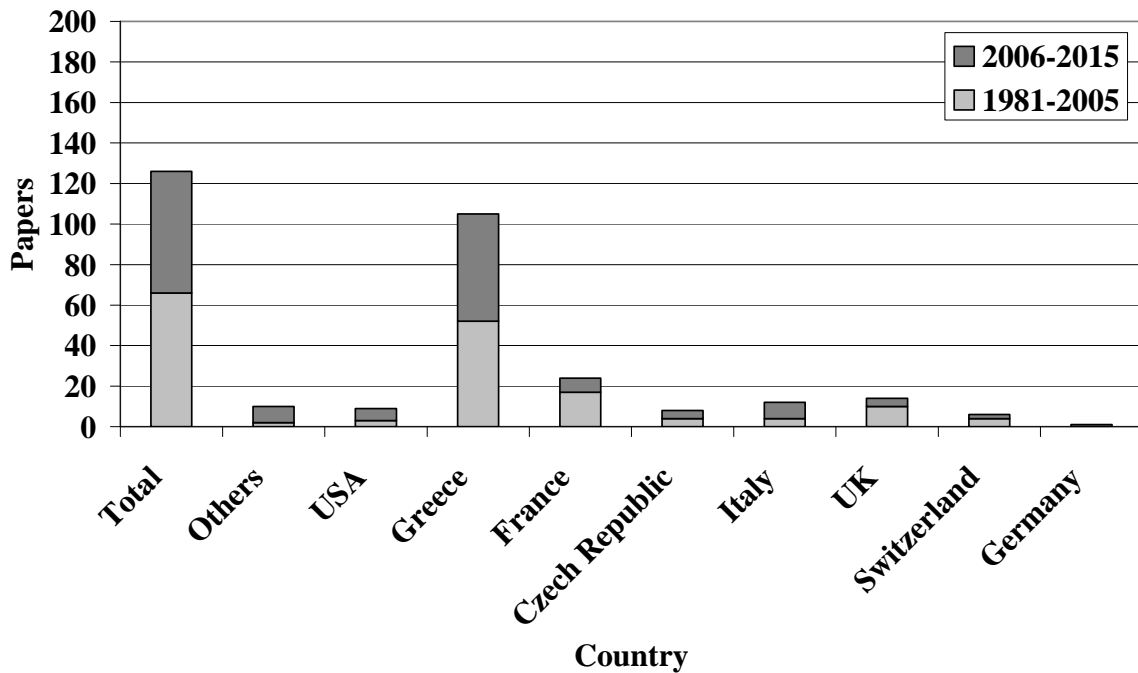


**Figure 9:** Papers per country and per period (1981-2005 and 2006-2015) for the CRL area. Greece includes NOA, NTUA, UPAT, NKUA, AUTH, HUA, HCMR and other institutions (ITSAK EPPO, Univ Aegean, Univ Crete, Univ Xania, HPEEH, Geoskopio, Agric Univ Ath, IGME, Ktimatologio, ...). France includes CNRS (major contributor), IRSN, CEA, IFP, Mines, ENST, FUGRO, LCPC, IRD. Czech Republic includes almost exclusively CUP. Italy includes INGV (major contributor), Univ Naples, CNT, Univ Camerino, Univ Roma 3. UK includes COMET (major contributor), Univ Leeds, Univ East Anglia, Univ Manchester, Univ Southampton, Univ Leicester, Imperial College London, UCL, Univ Swansea, Schlumberger UK, Univ Wales, ... Switzerland includes ETHZ (major), GAMMA (private company), Wapmerr. Germany includes GFZ (major), Univ Karlsruhe, Univ Heidelberg, Univ Munich, CAPSUM



(private company. USA includes MIT, Carnegie, Univ Hawaii, Univ California (several centres), ESSO, Lawrence Livermore, GeorgiaTech, Carnegie, Univ Houston, American Museum of Natural History, Univ Miami. Others countries are Canada, Norway, Spain, Slovakia, Poland, Australia, China, Belgium, Algeria, Tunisia, Canada.

**Papers per country (areas around CRL)**



**Citations per country (areas around CRL)**

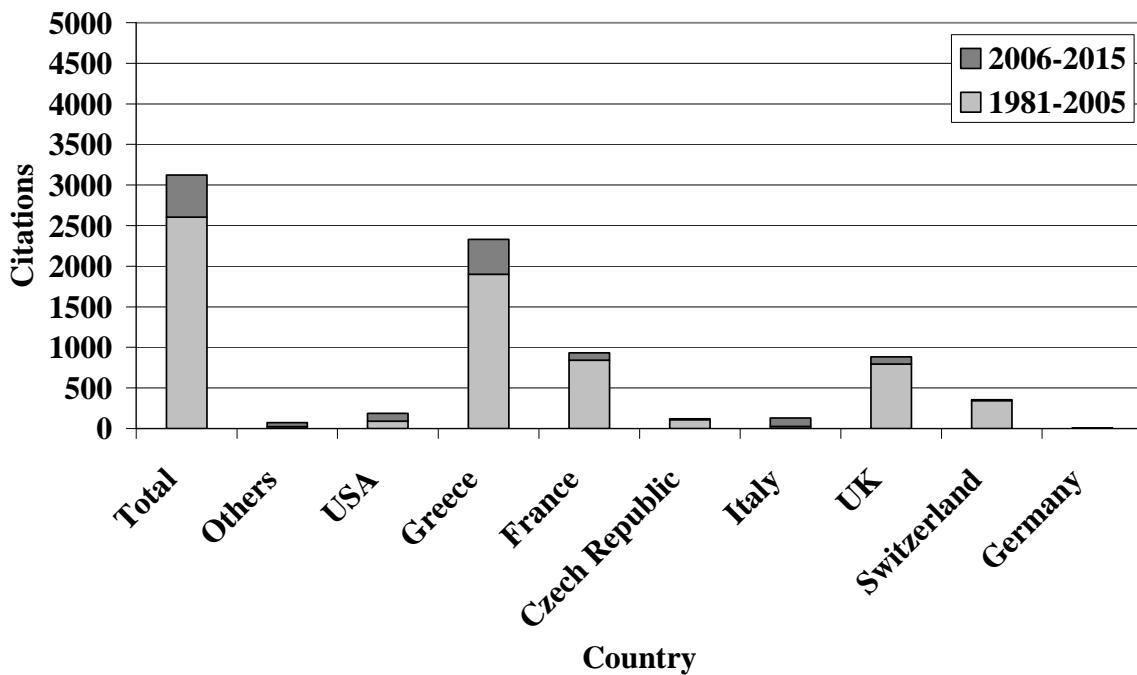


Figure 10: Same as Fig. 9 but for the three target area around CRL (Kefalonia fault, Athens earthquake, Atalanti and Evvia) and the studies at the global scale.

## 6. Literature of the CRL partners in the CRL area

The statistics below concern the CRL area only and the institutions partners of CRL in France, Greece and Czech republic. CNRS is the main contributor to the CRL literature for both the period 1981-2005 and the period 2006-2015 (Fig. 11a), followed by the University of Patras (UPAT). The situation is the same for the citations (Fig. 11b) with less contrasts between the various Greeks institutions, this is a consequence of the co-authorship of CNRS in the articles where UPAT is less represented.

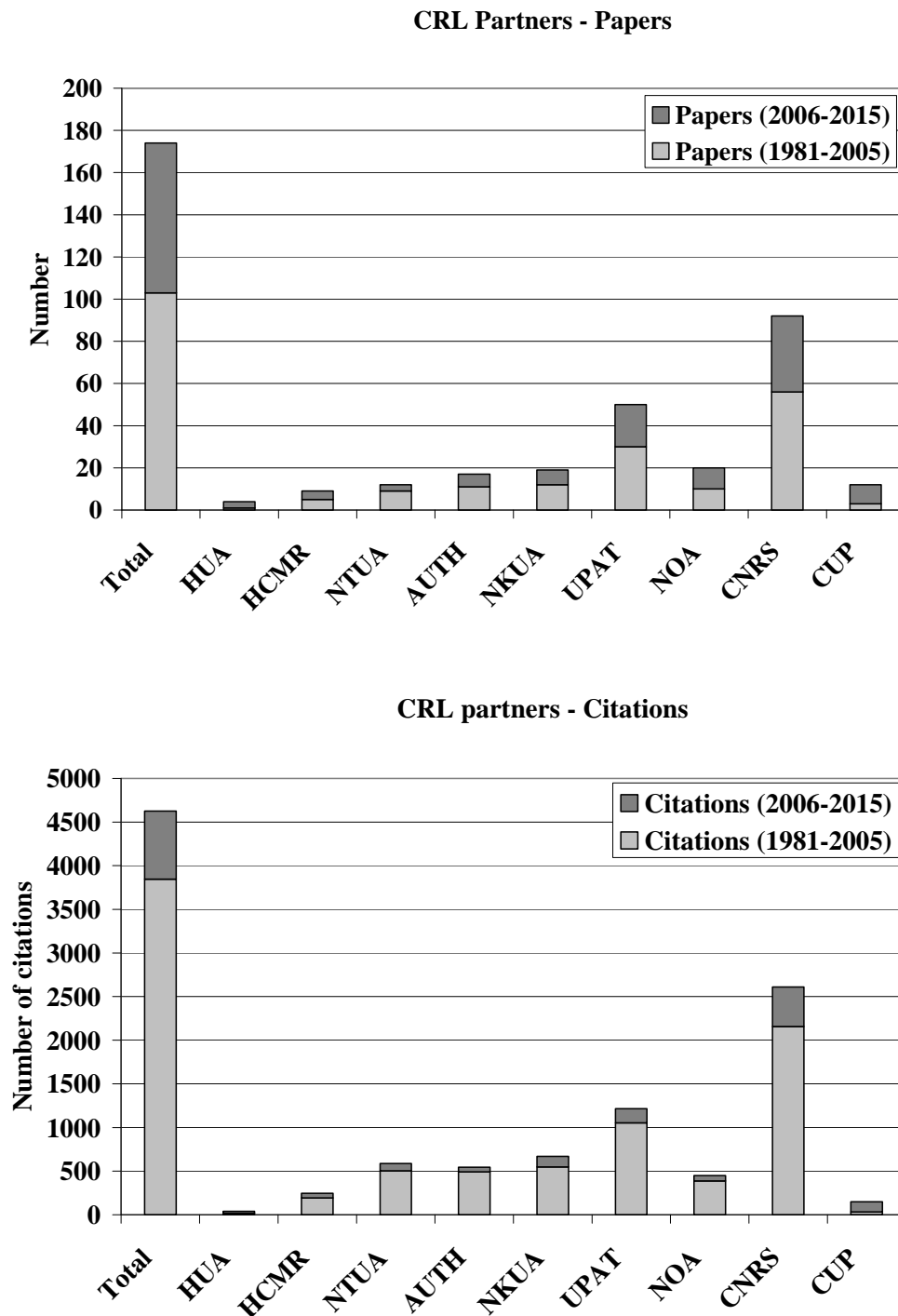


Figure 11: Papers and citations of the CRL partners for the periods 1981-2005 and 2006-2015

## 7. The partners of CNRS in the publications

Below (Fig. 12) area analyzed only the CRL papers authored by CNRS and other institutions. We see that the partnership is wide with no leading institution in Greece among the various partners. The presence of institutions like NTUA and AUTH has decreased significantly in the recent period, while the presence of UPAT has increased (Fig. 13) and is now at the same level as NOA and NKUA.

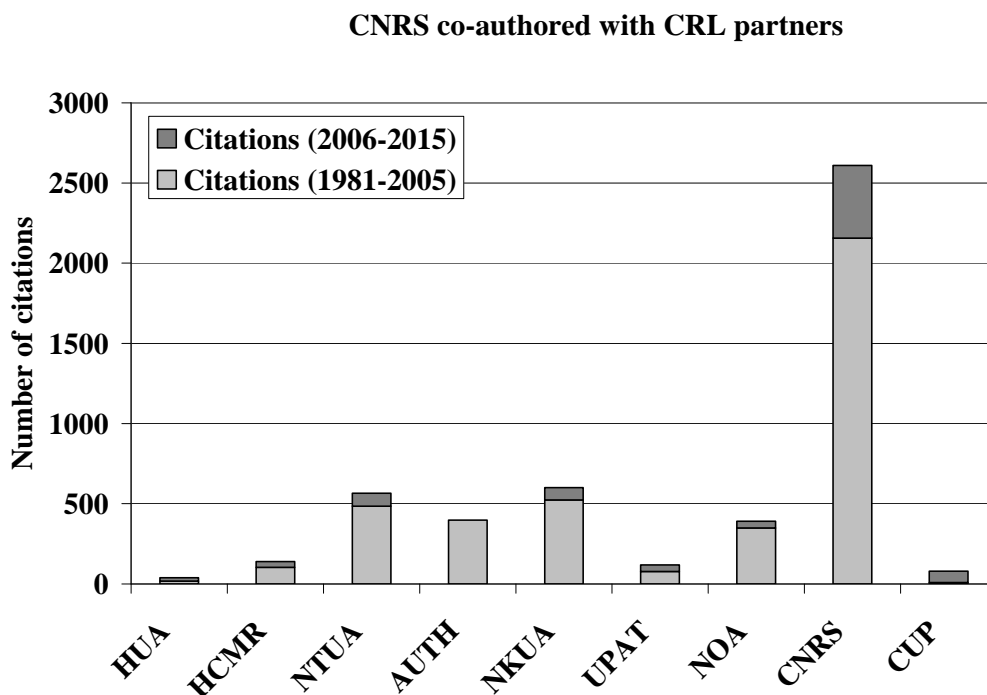
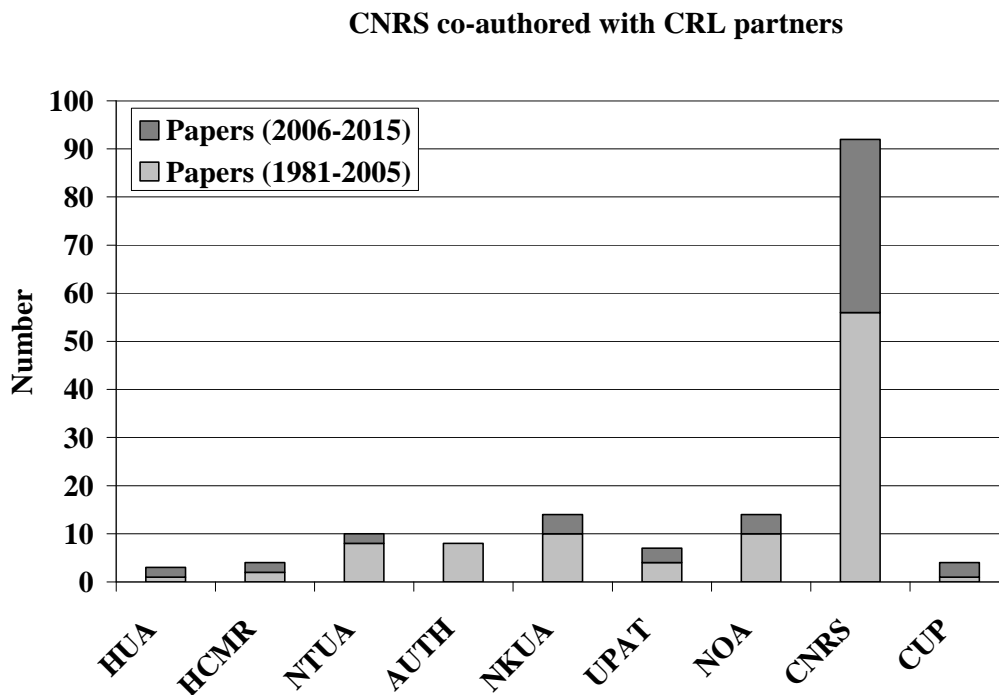


Figure 12: CRL papers and citations involving CNRS for the periods 1981-2005 and 2006-2015

### Evolution of co-authored papers 2000 -> 2010

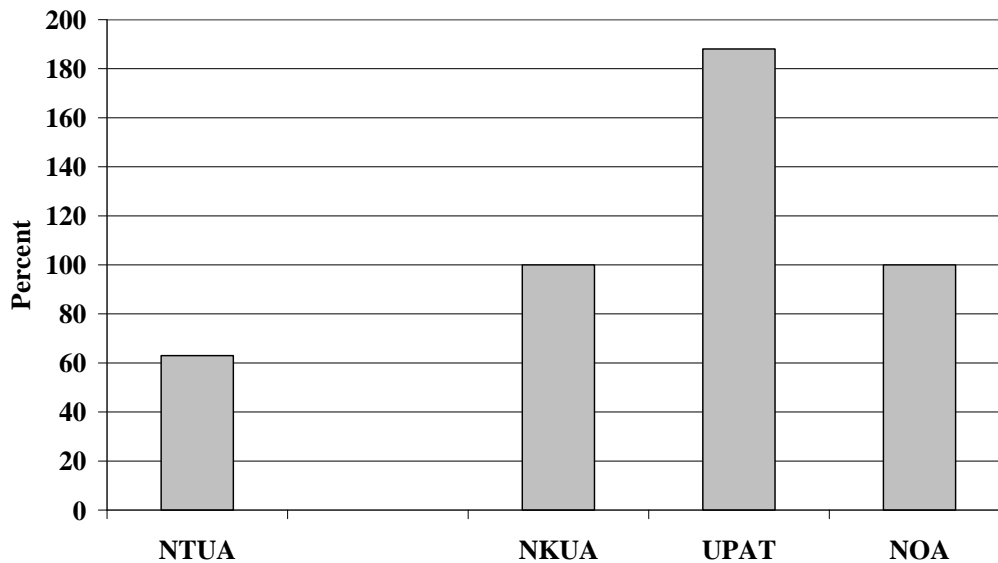


Figure 13: Evolution (in percent) from ~2000 to ~2010 of the co-authored CRL papers written by CNRS and Greek partners. NKUA and NOA are steady. UPAT is increasingly present in the publications and NTUA presence has decreased.

### Annex 1: References

*Nota* : last values indicate the number of citations on November 7, 2015, and the main topic, *Cor* : Corinth Rift, *Kefa* : Kefalonia fault area, *Ath* : Athens (1999 earthquake), *Atal* : Atalanti and Evvia, *Glob* : Central Greece (Global)

Beckers A, Hubert-Ferrari A, Beck C, Bodeux S, Tripsanas E, Sakellariou D, De Batist M, 2015, Active Faulting at the western tip of the Gulf of Corinth, Greece, from high-resolution seismic data, *Marine Geology*, 360, 55-69, (2),(Cor)

Benekos G, Derdelakos K, Bountzouklis C, Kourkouli, P, Parcharidis I, 2015, Surface displacements of the 2014 Cephalonia (Greece) Earthquake using high resolution SAR interferometry, *Earth Science Informatics*, 8(2), 309-315, (3),(Kefa)

Boncori JPM, Papoutsis I, Pezzo G, Tolomei C, Atzori S, Ganas A, Karastathis V, Salvi S, Kontoes C, Antonioli A, 2015, The February 2014 Cephalonia Earthquake (Greece): 3D Deformation Field and Source Modeling from Multiple SAR Techniques, *Seismological Research Letters*, 86(1), 124-137, (4),(Kefa)

Briole P, Elias P, Parcharidis I, Bignami C, Benekos G, Samsonov S, Kyriakopoulos C, Stramondo S, Chamot-Rooke N, Drakatos G, 2015, The seismic sequence of January–February 2014

- at Cephalonia Island (Greece): conStraints from SAR interferometry and GNSS, *Geophysical Journal International*, 203(3), 1528-1540, (0),(Kefa)
- Bussolotto M, Benedicto A, Moen-Maurel L, Invernizzi C, 2015, Fault Deformation mechanisms and fault rocks in micritic limestones: Examples from Corinth rift normal faults, *Journal of Structural Geology*, 77, 191-212, (0),(Cor)
- Chouliaras G, Kassaras I, Kapetanidis V, Petrou P, Drakatos G, 2015, Seismotectonic analysis of the 2013 seismic sequence at the western Corinth Rift, *Journal of Geodynamics*, 90, 42-57, (0),(Cor)
- Chousianitis K, Ganas A, Evangelidis CP, 2015, Strain and rotation rate patterns of mainland Greece from continuous GNSS data and comparison between seismic and geodetic moment release, *Journal of Geophysical Research-Solid Earth*, 120(5), 3909-3931, (0),(Glob)
- Console R, Carluccio R, Papadimitriou E, Karakostas V, 2015, Synthetic Earthquake catalogs simulating seismic activity in the Corinth Gulf, Greece, fault system, *Journal of Geophysical Research-Solid Earth*, 120(1), 326-343, (1),(Cor)
- Duffy OB, Brocklehurst SH, Gawthorpe RL, Leeder MR, Finch E, 2015, Controls on landscape and drainage evolution in regions of distributed normal Faulting: Perachora Peninsula, Corinth Rift, Central Greece, *Basin Research*, 27(4), 473-494, (0),(Cor)
- Duverger C, Godano M, Bernard P, Lyon-Caen H, Lambotte S, 2015, The 2003-2004 seismic swarm in the western Corinth rift: Evidence for a multiscale pore pressure diffusion process along a permeable fault system, *Geophysical Research Letters*, 42(18), 7374-7382, (0),(Cor)
- Ganas A, Cannavo F, Chousianitis K, Kassaras I, Drakatos G, 2015, DISPLACEMENTS RECORDED ON CONTINUOUS GNSS STATIONS FOLLOWING THE 2014 M6 CEPHALONIA (Greece) Earthquakes: DYNAMIC CHARACTERISTICS AND KINEMATIC Implications, *Acta Geodynamica et Geomaterialia*, 12(1), 5-19, (0),(Kefa)
- Giannopoulos D, Sokos E, Konstantinou KI, Tselentis GA, 2015, Shear wave splitting and V-P/V-S variations before and after the Efpalio Earthquake sequence, western Gulf of Corinth, Greece, *Geophysical Journal International*, 200(3), 1436-1448, (1),(Cor)
- Gospodinov D, Karakostas V, Papadimitriou E, 2015, Seismicity rate Modeling for prospective stochastic forecasting: the case of 2014 Kefalonia, Greece, seismic excitation, *Natural Hazards*, 79(2), 1039-1058, (0),(Kefa)
- Kapetanidis V, Deschamps A, Papadimitriou P, Matrullo E, Karakonstantis A, Bozionelos G, Kaviris G, Serpetsidaki A, Lyon-Caen H, Voulgaris N, Bernard P, Sokos E, Makropoulos K, 2015, The 2013 Earthquake swarm in Helike, Greece: seismic activity at the root of old normal faults, *Geophysical Journal International*, 202(3), 2044-2073, (0),(Cor)
- Karakostas V, Papadimitriou E, Mesimeri M, Gkarlaouni C, Paradisopoulou P, 2015, The 2014 Kefalonia Doublet (M(w)6.1 and M(w)6.0), Central Ionian Islands, Greece: Seismotectonic Implications along the Kefalonia Transform Fault Zone, *Acta Geophysica*, 63(1), 1-16, (3),(Kefa)

- Karastathis VK, Mouzakiotis E, Ganas A, Papadopoulos GA ] , 2015, High-precision relocation of seismic sequences above a dipping Moho: the case of the January-February 2014 seismic sequence on Cephalonia island (Greece), *Solid Earth*, 6(1), 173-184, (1),(Kefa)
- Lekkas EL, Mavroulis S, 2015, Earthquake environmental effects and ESI 2007 seismic intensities of the early 2014 Cephalonia (Ionian Sea, western Greece) Earthquakes (January 26 and February 3, Mw 6.0), *Natural Hazards*, 78(3), 1517-1544, (0),(Kefa)
- Marinou A, Ganas A, Papazissi K, Paradissis D, 2015, Strain patterns along the Kaparelli-Asopos rift (Central Greece) from campaign GNSS data, *Annals of Geophysics*, 58(2), , (0),(Cor)
- Novotny O, Vackar J, Sokos E, 2015, Dispersion of Love waves from the 2010 Efpalio Earthquake in the Corinth Gulf region, Greece, *Journal of Seismology*, 19(3), 801-806, (0),(Cor)
- Papanikolaou ID, Triantaphyllou M, Pallikarakis A, Migiros G, 2015, Active Faulting at the Corinth Canal based on surface observations, borehole data and paleoenvironmental interpretations. Passive rupture during the 1981 Earthquake sequence?, *Geomorphology*, 237, 65-78, (0),(Cor)
- Parcharidis I, Foumelis M, Benekos G, Kourkouli P, Stamatopoulos C, Stramondo S, 2015, Time series synthetic aperture radar interferometry over the multispan cable-stayed Rio-Antirio Bridge (Central Greece): achievements and conStraints, *Journal of Applied Remote Sensing*, 9, , (0),(Cor)
- Sakkas V, Lagios E, 2015, Fault modelling of the early-2014 similar to M6 Earthquakes in Cephalonia Island (W. Greece) based on GNSS measurements, *Tectonophysics*, 644, 184-196, (1),(Kefa)
- Saltogianni V, Stiros S, 2015, A Two-Fault Model of the 2003 Leucas (Aegean Arc) Earthquake Based on Topological Inversion of GNSS Data, *Bulletin of the Seismological Society of America*, 105(5), 2510-2520, (0),(Kefa)
- Sokos E, Kiratzi A, Gallović F, Zahradnik J, Serpetsidaki A, Plicka V, Jansky J, Kostelecky J, Tselentis GA, 2015, Rupture process of the 2014 Cephalonia, Greece, Earthquake doublet (Mw6) as inferred from regional and local seismic data, *Tectonophysics*, 656, 131-141, (0),(Kefa)
- Tsimi C, Ganas A, 2015, Using the ASTER global DEM to derive empirical relationships among triangular facet slope, facet height and slip rates along Active normal faults, *Geomorphology*, 234, 171-181, (1),(Atal)
- Zahradnik J, Jansky J, Plicka V, 2015, Analysis of the source scanning algorithm with a new P-wave picker, *Journal of Seismology*, 19(2), 423-441, (0),(Glob)
- Canitano A, Bernard P, Linde AT, Sacks S, Boudin F, 2014, Correcting High-Resolution Borehole Strainmeter Data from Complex External Influences and Partial-Solid Coupling: the Case of Trizonia, Rift of Corinth (Greece), *Pure and Applied Geophysics*, 171(8), 1759-1790, (1),(Cor)
- Charalampakis M, Lykousis V, Sakellariou D, Papatheodorou G, Ferentinos G, 2014, The tectono-Sedimentary evolution of the Lechaion Gulf, the south Eastern branch of the Corinth graben, Greece, *Marine Geology*, 351, 58-75, (1),(Cor)
- Ganas A, Karastathis V, Moshou A, Valkaniotis S, Mouzakiotis E, Papathanassiou G, 2014, Aftershock relocation and frequency-size distribution, stress inversion and seismotectonic setting of the 7

- August 2013 M=5.4 Earthquake in Kallidromon Mountain, Central Greece, *Tectonophysics*, 617, 101-113, (2),(Glob)
- Godano M, Deschamps A, Lambotte S, Lyon-Caen H, Bernard P, Pacchiani F, 2014, Focal mechanisms of Earthquake multiplets in the western part of the Corinth Rift (Greece): influence of the velocity model and constraints on the Geometry of the Active faults, *Geophysical Journal International*, 197(3), 1660-1680, (3),(Cor)
- Kassaras I, Kapetanidis V, Karakonstantis A, Kaviris G, Papadimitriou P, Voulgaris N, Makropoulos K, Popandopoulos G, Moshou A, 2014, The April-June 2007 Trichonis Lake Earthquake swarm (W. Greece): New Implications toward the causative fault zone, *Journal of Geodynamics*, 73, 60-80, (2),(Glob)
- Lambotte S, Lyon-Caen H, Bernard P, Deschamps A, Patau G, Nercessian A, Pacchiani F, Bourouis S, Drilleau M, Adamova P, 2014, Reassessment of the rifting process in the Western Corinth Rift from relocated Seismicity, *Geophysical Journal International*, 197(3), 1822-1844, (4),(Cor)
- Mouslopoulou V, Saltogianni V, Gianniou M, Stiros S, 2014, Geodetic Evidence for tectonic activity on the Strymon Fault System, northeast Greece, *Tectonophysics*, 633, 246-255, (2),(Glob)
- Segou M, Ellsworth WL, Parsons T, 2014, Stress Transfer by the 2008 M-w 6.4 Achaia Earthquake to the Western Corinth Gulf and Its Relation with the 2010 Efpalio Sequence, Central Greece, *Bulletin of the Seismological Society of America*, 104(4), 1723-1734, (1),(Glob)
- Serpetsidaki A, Elias P, Ilieva M, Bernard P, Briole P, Deschamps A, Lambotte S, Lyon-Caen H, Sokos E, Tselentis GA, 2014, New constraints from seismology and geodesy on the M-w=6.4 2008 Movri (Greece) Earthquake: Evidence for a growing strike-slip fault system, *Geophysical Journal International*, 198(3), 1373-1386, (0),(Glob)
- Vackar J, Zahradnik J, Sokos E, 2014, Strong fast long-period waves in the Efpalio 2010 Earthquake records: explanation in terms of leaking modes, *Journal of Seismology*, 18(1), 81-91, (0),(Cor)
- Valkaniotis S, Ganas A, Papathanassiou G, Papanikolaou M, 2014, Field observations of Geological effects triggered by the January-February 2014 Cephalonia (Ionian Sea, Greece) Earthquakes, *Tectonophysics*, 630, 150-157, (8),(Kefa)
- Chousianitis K, Ganas A, Gianniou M, 2013, Kinematic interpretation of present-day crustal Deformation in Central Greece from continuous GNSS measurements, *Journal of Geodynamics*, 71, 41275, (8),(Glob)
- Console R, Falcone G, Karakostas V, Murru M, Papadimitriou E, Rhoades D, 2013, Renewal models and coseismic stress transfer in the Corinth Gulf, Greece, fault system, *Journal of Geophysical Research-Solid Earth*, 118(7), 3655-3673, (2),(Cor)
- Ford M, Rohais S, Williams EA, Bourlange S, Jousset D, Backert N, Malartre F, 2013, Tectono-Sedimentary evolution of the western Corinth rift (Central Greece), *Basin Research*, 25(1), 3-25, (9),(Cor)

- Ganas A, Chousianitis K, Batsi E, Kolligri M, Agalos A, Chouliaras G, Makropoulos K, 2013, The January 2010 Efpalion Earthquakes (Gulf of Corinth, Central Greece): Earthquake interactions and blind normal Faulting, *Journal of Seismology*, 17(2), 465-484, (5),(Cor)
- Ganas A, Marinou A, Anastasiou D, Paradissis D, Papazissi K, Tzavaras P, Drakatos G, 2013, GNSS-derived estimates of crustal Deformation in the Central and north Ionian Sea, Greece: 3-yr results from NOANET continuous network data, *Journal of Geodynamics*, 67-62-71), SI, (12),(Glob)
- Kokkalas S, Kamberis E, Xypolias P, Sotiropoulos S, Koukouvelas I, 2013, Coexistence of thin- and thick-skinned Tectonics in Zakynthos area (western Greece): Insights from seismic sections and regional Seismicity, *Tectonophysics*, 597(73-84), SI, (6),(Glob)
- Mitsakaki C, Rondoyanni T, Anastasiou D, Papazissi K, Marinou A, Sakellariou M, 2013, Static stress changes and fault interactions in Lefkada Island, Western Greece, *Journal of Geodynamics*, 67(53-61), SI, (2),(Kefa)
- Papadimitriou E, Gospodinov D, Karakostas V, Astiopoulos A, 2013, Evolution of the vigorous 2006 swarm in Zakynthos (Greece) and probabilities for strong aftershocks occurrence, *Journal of Seismology*, 17(2), 735-752, (3),(Glob)
- Jansky J, Novotny O, Plicka V, Zahradnik J, Sokos E, 2012, Earthquake location from P-arrival times only: problems and some solutions, *Studia Geophysica et Geodaetica*, 56(2), 553-566, (6),(Glob)
- Lagios E, Papadimitriou P, Novali F, Sakkas V, Fumagalli A, Vlachou K, Del Conte S, 2012, Combined Seismicity Pattern Analysis, DGNSS and PSInSAR studies in the broader area of Cephalonia (Greece), *Tectonophysics*, 524, 43-58, (9),(Kefa)
- Novotny O, Sokos E, Plicka V, 2012, Upper crustal structure of the western Corinth Gulf, Greece, inferred from arrival times of the January 2010 Earthquake sequence, *Studia Geophysica et Geodaetica*, 56(4), 1007-1018, (5),(Cor)
- Perouse E, Chamot-Rooke N, Rabaute A, Briole P, Jouanne F, Georgiev I, Dimitrov D, 2012, Bridging onshore and offshore present-day kinematics of Central and Eastern Mediterranean: Implications for crustal dynamics and mantle flow, *Geochemistry Geophysics GeoSystems*, 13, , (17),(Glob)
- Rondoyanni T, Sakellariou M, Baskoutas J, Christodoulou N, 2012, Evaluation of Active Faulting and Earthquake secondary effects in Lefkada Island, Ionian Sea, Greece: an overview, *Natural Hazards*, 61(2), 843-860, (4),(Kefa)
- Savvaidis A, Smirnov MY, Tranos MD, Pedersen LB, Chouliaras G, 2012, The seismically Active Atalanti fault in Central Greece: A steeply dipping fault zone imaged from magnetotelluric data, *Tectonophysics*, 554, 105-113, (2),(Atal)
- Sokos E, Zahradnik J, Kiratzi A, Jansky J, Gallovic F, Novotny O, Kostelecky J, Serpetsidaki A, Tselentis GA, 2012, The January 2010 Efpalio Earthquake sequence in the western Corinth Gulf (Greece), *Tectonophysics*, 530, 299-309, (23),(Cor)



- Vallianatos F, Michas G, Papadakis G, Sammonds P, 2012, A non-extensive statistical physics view to the spatiotemporal properties of the June 1995, Aigion Earthquake (M6.2) aftershock sequence (West Corinth rift, Greece), *Acta Geophysica*, 60(3), 758-768, (18),(Cor)
- Adamaki A, Papadimitriou EE, Tsaklidis GM, Karakostas V, 2011, Statistical properties of aftershock rate decay: Implications for the assessment of continuing activity, *Acta Geophysica*, 59(4), 748-769, (1),(Glob)
- Bell RE, McNeill LC, Henstock TJ, Bull JM, 2011, Comparing extension on multiple time and depth scales in the Corinth Rift, Central Greece, *Geophysical Journal International*, 186(2), 463-470, (8),(Cor)
- Kapetanidis V, Papadimitriou P, 2011, Estimation of arrival-times in intense seismic sequences using a Master-Events methodology based on waveform similarity, *Geophysical Journal International*, 187(2), 889-917, (5),(Glob)
- Konstantinou KI, Evangelidis CP, Melis NS, 2011, The 8 June 2008 M-w 6.4 Earthquake in Northwest Peloponnese, Western Greece: A Case of Fault Reactivation in an Overpressured Lower Crust?, *Bulletin of the Seismological Society of America*, 101(1), 438-445, (9),(Glob)
- Kortekaas S, Papadopoulos GA, Ganas A, Cundy AB, Diakantoni A, 2011, Geological identification of historical tsunamis in the Gulf of Corinth, Central Greece, *Natural Hazards and Earth System Science*, 11(7), 2029-2041, (6),(Cor)
- Taylor B, Weiss JR, Goodliffe AM, Sachpazi M, Laigle M, Hirn A, 2011, The structures, stratigraphy and evolution of the Gulf of Corinth rift, Greece, *Geophysical Journal International*, 185(3), 1189-1219, (14),(Cor)
- Vassilakis E, Royden L, Papanikolaou D, 2011, Kinematic links between Subduction along the Hellenic trench and extension in the Gulf of Corinth, Greece: A multidisciplinary analysis, *Earth and Planetary Science Letters*, 303(1-2), 108-120, (25),(Glob)
- Backert N, Ford M, Malartre F, 2010, Architecture and Sedimentology of the Kerinitis Gilbert-type fan delta, Corinth Rift, Greece, *Sedimentology*, 57(2), 543-586, (12),(Cor)
- Feng LJ, Newman AV, Farmer GT, Psimoulis P, Stiros SC, 2010, Energetic rupture, coseismic and post-seismic response of the 2008 M-W 6.4 Achaia-Elia Earthquake in northwestern Peloponnese, Greece: an indicator of an immature transform fault zone, *Geophysical Journal International*, 183(1), 103-110, (24),(Glob)
- Floyd MA, Billiris H, Paradissis D, Veis G, Avallone A, Briole P, McClusky S, Nocquet JM, Palamartchouk K, Parsons B, England PC, 2010, A new velocity Field for Greece: Implications for the kinematics and dynamics of the Aegean, *Journal of Geophysical Research-Solid Earth*, 115, , (42),(Glob)
- Jolivet L, Labrousse L, Agard P, Lacombe O, Bailly V, Lecomte E, Mouthereau F, Mehl C, 2010, Rifting and Shallow-dipping detachments, clues from the Corinth Rift and the Aegean, *Tectonophysics*, 483(3-4), 287-304, (13),(Cor)

- Koukouvelas, IK, Kokkalas S, Xypolias P, 2010, Surface Deformation during the Mw 6.4 (8 June 2008) Movri Mountain Earthquake in the Peloponnese, and its Implications for the seismoTectonics of western Greece, *International Geology Review*, 52(2-3), 249-268, (11),(Glob)
- Pacchiani F, Lyon-Caen H, 2010, Geometry and spatio-temporal evolution of the 2001 Agios Ioanis Earthquake swarm (Corinth Rift, Greece), *Geophysical Journal International*, 180(1), 59-72, (21),(Cor)
- Palyvos N, Mancini M, Sorel D, Lemeille F, Pantosti D, Julia R, Triantaphyllou M, De Martini PM, 2010, Geomorphological, stratigraphic and geochronological Evidence of fast Pleistocene coastal Uplift in the westernmost part of the Corinth Gulf Rift (Greece), *Geological Journal*, 45(1), 78-104, (8),(Cor)
- Serpetsidaki A, Sokos E, Tselentis GA, Zahradnik J, 2010, Seismic sequence near Zakynthos Island, Greece, April 2006: Identification of the activated fault plane, *Tectonophysics*, 480(1-2), 23-32, (6),(Glob)
- Shaw B, Jackson J, 2010, Earthquake mechanisms and Active Tectonics of the Hellenic Subduction zone, *Geophysical Journal International*, 181(2), 966-984, (37),(Glob)
- Walker RT, Claisse S, Telfer M, Nissen E, England P, Bryant C, Bailey R, 2010, Preliminary estimate of Holocene slip rate on Active normal faults bounding the southern coast of the Gulf of Evia, Central Greece, *Geosphere*, 6(5), 583-593, (7),(Atal)
- Bell RE, McNeill LC, Bull JM, Henstock TJ, Collier REL, Leeder MR, 2009, Fault architecture, Basin structure and evolution of the Gulf of Corinth Rift, Central Greece, *Basin Research*, 21(6), 824-855, (30),(Cor)
- Ganas A, Serpelloni E, Drakatos G, Kolligri M, Adamis I, Tsimi C, Batsi E, 2009, The Mw 6.4 SW-Achaia (Western Greece) Earthquake of 8 June 2008: Seismological, Field, GNSS Observations, and Stress Modeling, *Journal of Earthquake Engineering*, 13(8), 1101-1124, (26),(Glob)
- Jansky J, Zahradnik J, Plicka V, 2009, EFFICIENCY of INDIVIDUAL CRL STATIONS IN SEISMIC MONITORING of THE WESTERN GULF of Corinth, *Acta Geodynamica et Geomaterialia*, 6(2), 135-142, (0),(Cor)
- Koukouvelas IK, Papoulis D, 2009, Fluid involvement in the Active Helike normal Fault, Gulf of Corinth, Greece, *Journal of Structural Geology*, 31(3), 237-250, (4),(Cor)
- Lykousis V, Roussakis G, Sakellariou D, 2009, Slope failures and stability analysis of Shallow water prodeltas in the Active margins of Western Greece, northEastern Mediterranean Sea, *International Journal of Earth Science*, 98(4), 807-822, (8),(Glob)
- Zahradnik J, Jansky J, Plicka V, 2009, Detailed Waveform Inversion for Moment Tensors of M similar to 4 Events: Examples from the Corinth Gulf, Greece, *Bulletin of the Seismological Society of America*, 98(6), 2756-2771, (19),(Cor)
- Atzori S, Manunta M, Fornaro G, Ganas A, Salvi S, 2008, Postseismic displacement of the 1999 Athens Earthquake retrieved by the Differential Interferometry by Synthetic Aperture Radar time series, *Journal of Geophysical Research-Solid Earth*, 113(B9), , (18),(Ath)

- Bell RE, McNeill LC, Bull JM, Henstock TJ, 2008, Evolution of the offshore western Gulf of Corinth, *Geological Society of America Bulletin*, 120(1-2), (36),(Cor)
- Evangelidis CP, Konstantinou KI, Melis NS, Charalambakis M, Stavrakakis GN, 2008, Waveform relocation and focal mechanism analysis of an Earthquake swarm in Trichonis Lake, western Greece, *Bulletin of the Seismological Society of America*, 98(2), 804-811, (8),(Glob)
- Hollenstein C, Muller MD, Geiger A, Kahle HG, 2008, GNSS-derived coseismic displacements associated with the 2001 skyros and 2003 lefkada Earthquakes in Greece, *Bulletin of the Seismological Society of America*, 98(1), 149-161, (8),(Kefa)
- Kilias AA, Tranos MD, Papadimitriou EE, Karakostas VG, 2008, "The recent crustal Deformation of the Hellenic orogen in Central Greece the Kremasta and Sperchios Fault Systems and their relationship with the adjacent large structural features", *Zeitschrift DER DEUTSCHEN GESELLSCHAFT FUR GEOWISSENSCHAFTEN*, 159(3), 533-547, (11),(Atal)
- Kiratzis A, Sokos E, Ganas A, Tselentis A, Benetatos C, Roumelioti Z, Serpetsidaki A, Andriopoulos G, Galanis O, Petrou P, 2008, The April 2007 Earthquake swarm near Lake Trichonis and Implications for Active Tectonics in western Greece, *Tectonophysics*, 452(1-4), 51-65, (22),(Glob)
- Kotsis I, Kontoes C, Paradissis D, Karamitsos S, Elias P, Papoutsis I, 2008, A methodology to validate the InSAR derived displacement Field of the September 7(th), 1999 Athens Earthquake using terrestrial surveying. Improvement of the assessed Deformation Field by interferometric stacking, *Sensors*, 8(7), 4119-4134, (1),(Ath)
- Novotny O, Jansky J, Plicka V, Lyon-Caen H, 2008, A layered model of the upper crust in the Aigion region of Greece, inferred from arrival times of the 2001 Earthquake sequence, *Studia Geophysica et Geodaetica*, 52(1), 123-131, (6),(Cor)
- Palyvos N, Lemeille F, Sorel D, Pantosti D, Pavlopoulos K, 2008, Geomorphic and biological indicators of paleoSeismicity and Holocene Uplift rate at a coastal normal fault footwall (western Corinth Gulf, Greece), *Geomorphology*, 96(1-2), 16-38, (14),(Cor)
- Papadimitriou P, 2008, Identification of seismic precursors before large Earthquakes: Decelerating and accelerating seismic patterns, *Journal of Geophysical Research-Solid Earth*, 113(B4), (8),(Glob)
- Rohais S, Eschard R, Guillocheau F, 2008, Depositional model and stratigraphic architecture of rift climax Gilbert-type fan deltas (Gulf of Corinth, Greece), *Sedimentary Geology*, 210(3-4), 132-145, (20),(Cor)
- Tsodoulos IM, Koukouvelas IK, Pavlides S, 2008, Tectonic geomorphology of the Easternmost extension of the Gulf of Corinth (Beotia, Central Greece), *Tectonophysics*, 453(1-4), 211-232, (17),(Cor)
- Zygouri V, Verroios S, Kokkalas S, Xypolias P, Koukouvelas IK, 2008, "Scaling properties within the Gulf of Corinth, Greece comparison between offshore and onshore Active faults", *Tectonophysics*, 453(1-4), 193-210, (10),(Cor)

- Anastasakis G, Piper DJW, Tziavos C, 2007, Sedimentological response to neoTectonics and sea-level change in a delta-fed, complex graben: Gulf of Amvrakikos, western Greece, *Marine Geology* , 236(1-2), 27-44, (9),(Glob)
- Benetatos C, Dreger D, Kiratzi A, 2007, Complex and segmented rupture associated with the 14 August 2003 M-w 6.2 Lefkada, Ionian Islands, *Earthquake, Bulletin of the Seismological Society of America*, 97(1), 35-51, (20),(Kefa)
- Chaabane F, Avallone A, Tupin F, Briole P, Maitre H, 2007, A multitemporal method for correction of tropospheric effects in differential SAR interferometry: Application to the Gulf of Corinth Earthquake, *IEEE Transactions ON Geoscience and Remote Sensing*, 45(6), 1605-1615, (26),(Cor)
- Doan ML, Cornet FH, 2007, Small pressure drop triggered near a fault by small teleseismic waves, *Earth and Planetary Science Letters* , 258(1-2), 207-218, (7),(Cor)
- Doan ML, Cornet FH, 2007, Thermal anomaly near the Aigio fault, Gulf of Corinth, Greece, maybe due to convection below the fault, *Geophysical Research Letters* , 34(6), L06314, (7),(Cor)
- Gallousi C, Koukouvelas LK, 2007, Quantifying geomorphic evolution of Earthquake-triggered landslides and their relation to Active normal faults. An example from the Gulf of Corinth, Greece, *Tectonophysics*, 440(1-4), 85-104, (15),(Cor)
- Ganas A, Bosy J, Petro L, Drakatos G, Kontny B, Stercz M, Melis NS, Cacon S, Kiratzi A, 2007, Monitoring Active structures in Eastern Corinth Gulf (Greece): The Kaparelli fault, *Acta Geodynamica et Geomaterialia*, 4(1), 67-&, (2),(Cor)
- Jansky J, Plicka V, Lyon-Caen H, Novotny O, 2007, Estimation of velocity in the uppermost crust in a part of the western Gulf of Corinth, Greece, from the inversion of P and S arrival times using the neighbourhood algorithm, *Journal of Seismology*, 11(2), 199-204, (1),(Cor)
- Karastathis VK, Ganas A, Makris J, Papoulia J, Dafnis P, Gerolymatou E, Drakatos G, 2007, The application of Shallow seismic techniques in the study of Active faults: The Atalanti normal fault, Central Greece, *Journal of Applied Geophysics*, 62(3), 215-233, (9),(Atal)
- Kassaras I, Kapetanidis V, Karakonstantis A, Kaviris G, Papadimitriou P, Voulgaris N, Makropoulos K, Popandopoulos G, Moshou A, 2007, The April-June 2007 Trichonis Lake Earthquake swarm (W. Greece): New Implications toward the causative fault zone, *Journal of Geodynamics*, 73, 60-80, (2),(Glob)
- Kokkalas S, Pavlides S, Koukouvelas I, Ganas A, Stamatopoulos L, 2007, PaleoSeismicity of the Kaparelli fault (Eastern Corinth Gulf): Evidence for Earthquake recurrence and fault behavior, *Bollettino della Societa Geologica Italiana*, 126(2), 387-395, (8),(Cor)
- Lagios E, Sakkas V, Papadimitriou P, Parcharidis I, Damiata BN, Chousianitis K, Vassilopouliou S, 2007, Crustal Deformation in the Central Ionian islands (Greece): Results from DGNSS and DInSAR analyses (1995-2006), *Tectonophysics*, 444(1-4), 119-145, (26),(Kefa)

- Lykousis V, Sakellariou D, Moretti I, Kaberi H, 2007, Late Quaternary Basin evolution of the Gulf of Corinth: Sequence stratigraphy, Sedimentation, fault-slip and subsidence rates, *Tectonophysics* , 440(1-4), 29-51, (34),(Cor)
- McNeill LC, Cotterill CJ, Bull JM, Henstock TJ, Bell R, 2007, Geometry and slip rate of the Aigion fault, a young normal fault system in the western Gulf of Corinth, *Geology*, 35(4) , 355-358, (8),(Cor)
- Papanikolaou DJ, Royden LH, 2007, Disruption of the Hellenic arc: Late Miocene extensional detachment faults and steep Pliocene-Quaternary normal faults - Or what happened at Corinth?, *Tectonics*, 26(5), , (44),(Cor)
- Place J, Geraud Y, Diraison M, Warr L, 2007, North-south transfer zones and paleo-morphological reconstruction of the Xylokastro area (Corinth Gulf, Greece), *Tectonophysics*, 440(1-4) , 121-139, (2),(Cor)
- Place J, Naville C, Moretti I, 2007, Fault throw Determination using 4 component VSP: Aigion fault (Greece) case study, *Tectonophysics* , 440(1-4), 141-158, (2),(Cor)
- Richon P, Bernard P, Labed V, Sabroux JC, Beneito A, Lucius D, Abbad S, Robe MC, 2007, Results of monitoring Rn-222 in soil gas of the Gulf of Corinth region, Greece, *Radiation Measurements* , 42(1), 87-93, (15),(Cor)
- Rohais S, Eschard R, Ford M, Guillocheau F, Moretti I, 2007, Stratigraphic architecture of the Plio-Pleistocene infill of the Corinth Rift: Implications for its structural evolution, *Tectonophysics* , 440(1-4), 468-474, (33),(Cor)
- Rohais S, Joannin S, Colin JP, Suc JP, Guillocheau F, Eschard R, 2007, Age and environmental evolution of the syn-rift rift of the southern coast of the gulf of Corinth (Akrata-Derveni region, Greece), *Bulletin de la Societe Geologique de France* , 178(3), 231-243, (12),(Cor)
- Sachpazi M, Galve A, Laigle M, Him A, Sokos E, Serpetsidaki A, Marthelot JM, Alperin JMP, Zelt B, Taylor B, 2007, Moho topography under Central Greece and its compensation by Pn time-terms for the accurate location of hypocenters: The example of the Gulf of Corinth 1995 Aigion Earthquake, *Tectonophysics*, 440(1-4), 53-65, (23),(Cor)
- Sakellariou D, Lykousis V, Alexandri S, Kaberi H, Rousakis G, Nomikou P, Georgiou P, Ballas D, 2007, Faulting, seismic-stratigraphic architecture and Late Quaternary evolution of the Gulf of Alkyonides Basin-East Gulf of Corinth, Central Greece, *Basin Research* , 19(2), 273-295, (16),(Cor)
- Stiros SC, Psimoulis P, Pitharouli S, 2007, Geodetic constraints to the kinematics of the Kapareli fault, reactivated during the 1981, Gulf of Corinth Earthquakes, *Tectonophysics*, 440(1-4), 105-119, (4),(Cor)
- Sulem J, 2007, Stress orientation evaluated from Strain localisation analysis in Aigion Fault, *Tectonophysics*, 442(1-4) , 3-13, (5),(Cor)
- Sulem J, Lazar P, Vardoulakis I, 2007, Thermo-poro-mechanical properties of clayey gouge and application to rapid fault shearing, *International Journal for Numerical and Measurements Methods IN Geomechanics* , 31(3) , 523-540, (19),(Cor)

- Tselentis GA, Serpetsidaki A, Martakis N, Sokos E, Paraskevopoulos P, Kapotas S, 2007, Local high-resolution passive seismic tomography and Kohonen neural networks - Application at the Rio-Antirio Strait, Central Greece, *Geophysics*, 72(4), B93-B106, (9),(Cor)
- Ambraseys NN, 2006, Comparison of frequency of occurrence of earthquakes with slip rates from long-term seismicity data: the cases of Gulf of Corinth, Sea of Marmara and Dead Sea Fault Zone, *Geophysical Journal International*, 165(2), 516-526, (23),(Cor)
- Bernard P, Lyon-Caen H, Briole P, Deschamps A, Boudin F, Makropoulos K, Papadimitriou P, Lemeille F, Patau G, Billiris H, 2006, Seismicity, Deformation and seismic hazard in the western rift of Corinth: New insights from the Corinth Rift Laboratory (CRL), *Tectonophysics*, 426(1-2), 7-30, (63),(Cor)
- Chambon G, Schmittbuhl J, Corfdir A, Orellana N, Diraison A, Geraud Y, 2006, The thickness of faults: From laboratory experiments to Field scale observations, *Tectonophysics*, 426(1-2), 77-94, (18),(Glob)
- Ganas A, Sokos E, Agalos A, Leontakianakos G, Pavlides S, 2006, Coulomb stress triggering of Earthquakes along the Atalanti Fault, Central Greece: Two April 1894 M6+ events and stress change patterns, *Tectonophysics*, 420(3-4), 357-369, (10),(Atal)
- Gautier S, Latorre D, Virieux J, Deschamps A, Skarpeles C, Sotiriou A, Serpetsidaki A, Tselentis A, 2006, A new passive tomography of the aigion area (Gulf of Corinth, Greece) from the 2002 data set, *Pure and Applied Geophysics*, 163(2-3), 431-453, (18),(Cor)
- Geraud Y, Diraison M, Orellana N, 2006, Fault zone Geometry of a mature Active normal fault: A potential high permeability channel (Pirgaki fault, Corinth rift, Greece), *Tectonophysics*, 426(1-2), 61-76, (17),(Cor)
- Hasiotis T, Charalampakis M, Stefatos A, Papatheodorou G, Ferentinos G, 2006, Fan delta development and Processes offshore a seasonal river in a seismically Active region, NW Gulf of Corinth, *Geo-Marine Letters*, 26(4), 199-211, (2),(Cor)
- Kokinou E, Papadimitriou E, Karakostas V, Kamberis E, Vallianatos F, 2006, The Kefalonia Transform Zone (offshore Western Greece) with special emphasis to its prolongation towards the Ionian Abyssal Plain, *Marine Geophysical Researches*, 27(4), 241-252, (14),(Kefa)
- Le Pourhiet L, Mattioni L, Moretti I, 2006, 3D modelling of rifting through a pre-existing stack of nappes in the Gulf of Corinth (Greece): A mixed analogue/numerical approach, *Analogue and Numerical Modelling of Crustal-Scale Processes*, 253, 233-252, (4),(Cor)
- Mattioni L, Le Pourhiet L, Moretti I, 2006, Rifting through a heterogeneous crust: Insights from analogue models and application to the Gulf of Corinth, *Analogue and Numerical Modelling of Crustal-Scale Processes*, 253, 213-231, (7),(Cor)
- Micarelli L, Moretti I, Jaubert M, Moulouel H, 2006, Fracture analysis in the south-western Corinth rift (Greece) and Implications on fault hydraulic behavior, *Tectonophysics*, 426(1-2), 31-59, (25),(Cor)

- Palyvos N, Bantekas I, Kranis H, 2006, Transverse fault zones of subtle geomorphic signature in northern Evia island (Central Greece extensional province): An introduction to the Quaternary Nileas graben, *Geomorphology*, 76(3-4), 363-374, (5),(Atal)
- Papadimitriou P, Kaviris G, Makropoulos K, 2006, The M-W=6.3 2003 Lefkada Earthquake (Greece) and induced stress transfer changes, *Tectonophysics*, 423(1-4), 73-82, (21),(Kefa)
- Stefatos A, Charalambakis M, Papatheodorou G, Ferentinos G, 2006, Tsunamigenic sources in an Active European half-graben (Gulf of Corinth, Central Greece), *Marine Geology*, 232(1-2), 35-47, (12),(Cor)
- Tselentis GA, Gkika F, Sokos E, 2006, Tsunami hazards associated with the Perachora fault at Eastern Corinth Gulf, Greece, *Bulletin of the Seismological Society of America*, 96(5), 1649-1661, (4),(Cor)
- Zlotnicki J, Le Mouel JL, Kanwar R, Yvetot P, Vargemezis G, Menny P, Fauquet F, 2006, Ground-based electromagnetic studies combined with remote sensing based on Demeter mission: A way to monitor Active faults and volcanoes, *Planetary and Space Science*, 54(5), 541-557, (11),(Glob)
- Assimaki D, Gazetas G, Kausel E, 2005, Effects of local soil conditions on the topographic aggravation of seismic motion: Parametric investigation and recorded Field Evidence from the 1999 Athens Earthquake, *Bulletin of the Seismological Society of America*, 95(3), 1059-1089, (36),(Ath)
- Benetatos C, Kiratzi A, Roumelioti Z, Stavrakakis G, Drakatos G, Latoussakis I, 2005, The 14 August 2003 Lefkada Island (Greece) Earthquake: Focal mechanisms of the mainshock and of the aftershock sequence, *Journal of Seismology*, 9(2), 171-190, (29),(Kefa)
- Bourova E, Kassaras I, Pedersen HA, Yanovskaya T, Hatzfeld D, Kiratzi A, 2005, Constraints on absolute S velocities beneath the Aegean Sea from surface wave analysis, *Geophysical Journal International*, 160(3), 1006-1019, (18),(Glob)
- Chatzipetros A, Kokkalas S, Pavlides S, Koukouvelas I, 2005, Palaeoseismic data and their implication for Active Deformation in Greece, *Journal of Geodynamics*, 40(2-3), 170-188, (16),(Glob)
- Decanini L, Liberatore L, Mollaioli F, De Sortis A, 2005, Estimation of near-source ground motion and seismic behaviour of RC framed structures damaged by the 1999 Athens Earthquake, *Journal of Earthquake Engineering*, 9(5), 609-635, (1),(Ath)
- Flotte N, Sorel D, Muller C, Tensi J, 2005, Along strike changes in the structural evolution over a brittle detachment fault: Example of the Pleistocene Corinth-Patras rift (Greece), *Tectonophysics*, 403(1-4), 77-94, (37),(Cor)
- Frima C, Moretti I, Brosse E, Quattrocchi F, Pizzino L, 2005, Can diagenetic Processes influence the short term hydraulic behaviour evolution of a fault?, *OIL & GAS Science and TECHNOLOGY-REVUE DE L INSTITUT FRANCAIS DU PetROLE*, 60(2), 213-230, (5),(Glob)
- Karakostas C, Lekidis V, Makarios T, Salonikios T, Sous I, Demosthenous M, 2005, Seismic response of structures and infrastructure facilities during the Lefkada, Greece Earthquake of 14/8/2003, *Engineering Structures*, 27(2), 213-227, (9),(Kefa)

- Kokinou E, Kamberis E, Vafidis A, Monopolis D, Ananiadis G, Zelilidis A, 2005, Deep seismic reflection data from offshore western Greece: a new crustal model for the Ionian Sea, *Journal of Petroleum Geology*, 28(2), 185-201, (22),(Kefa)
- Kokkalas S, Koukouvelas IK, 2005, Fault-scarp degradation Modeling in Central Greece: The Kaparelli and Eliki faults (Gulf of Corinth) as a case study, *Journal of Geodynamics* , 40(2-3), 200-215, (13),(Cor)
- Koukouvelas IK, Katsonopoulou D, Soter S, Xypolias P, 2005, Slip rates on the Helike Fault, Gulf of Corinth, Greece: new Evidence from geoarchaeology, *Terra Nova* , 17(2), 158-164, (17),(Cor)
- Leeder MR, Portman C, Andrews JE, Collier REL, Finch E, Gawthorpe RL, McNeill LC, Perez-Arlucea M, Rowe P, 2005, Normal Faulting and crustal Deformation, Alkyonides Gulf and Perachora peninsula, Eastern Gulf of Corinth rift, Greece, *Journal of the Geological Society* , 162, 549-561, (28),(Cor)
- McNeill LC, Collier REL, De Martini PM, Pantosti D, D'Addezio G, 2005, Recent History of the Eastern Eliki Fault, Gulf of Corinth: geomorphology, palaeoseismology and impact on palaeoenvironments, *Geophysical Journal International* , 161(1), 154-166, (18),(Cor)
- McNeill LC, Cotterill CJ, Henstock TJ, Bull JM, Stefatos A, Collier RELI, Papatheoderou G, Ferentinos G, Hicks SE, 2005, Active Faulting within the offshore western Gulf of Corinth, Greece: Implications for models of continental rift Deformation, *Geology*, 33(4), 241-244, (39),(Cor)
- Palyvos N, Pantosti D, De Martini PM, Lemeille F, Sorel D, Pavlopoulos K, 2005, The Aigion-Neos Erineos coastal normal fault system (western Corinth Gulf Rift, Greece): Geomorphological signature, recent Earthquake History, and evolution, *Journal of Geophysical Research*, 110(B9) , B09302, (17),(Cor)
- Papathanassiou G, Pavlides S, Ganas A, 2005, The 2003 Lefkada Earthquake: Field observations and preliminary microzonation map based on liquefaction potential index for the town of Lefkada, *Engineering Geology*, 82(1), 12-31, (33),(Kefa)
- Stiros SC, 2005, Geodetic Evidence for mobilization of evaporites during the 1997 Strophades (W Hellenic Arc) M(W) 6.5 Earthquake, *Journal of Geophysics and Engineering*, 2(2), 111-117, (8),(Glob)
- Sulem J, Vardoulakis I, Ouffroukh H, Perdikatsis V, 2005, Thermo-poro-mechanical properties of the Aigion fault clayey gouge - Application to the analysis of shear heating and fluid pressurization, *Soils and Foundations*, 45(2), 97-108, (37),(Cor)
- Zahradnik J, Plesinger A, 2005, Long-period pulses in broadband records of near Earthquakes, *Bulletin of the Seismological Society of America* , 95(5) , 1928-1939, (24),(Glob)
- Zahradnik J, Serpetsidaki A, Sokos E, Tselentis GA, 2005, Iterative deconvolution of regional waveforms and a double-event interpretation of the 2003 Lefkada Earthquake, Greece, *Bulletin of the Seismological Society of America*, 95(1), 159-172, (44),(Kefa)
- Zelt BC, Taylor B, Sachpazi M, Hirn A, 2005, Crustal velocity and Moho structure beneath the Gulf of Corinth, Greece, *Geophysical Journal International* , 162(1) , 257-268, (19),(Cor)



- Albini P, Pantosti D, 2004, The 20 and 27 April 1894 (Locris, Central Greece) Earthquake sources through coeval records on macroseismic effects, *Bulletin of the Seismological Society of America*, 94(4), 1305-1326, (4),(Atal)
- Alperin JMP, Marthelot JM, Galve A, Sachpazi M, Taylor B, Laigle M, Hirn A, 2004, Seismic refraction imaging of the southern Corinth Rift shoulder at Derveni, *Comptes Rendus Geoscience* , 336(4-5) , 251-257, (3),(Cor)
- Avallone A, Briole P, Agatza-Balodimou AM, Billiris H, Charade O, Mitsakaki C, Nercessian A, Papazissi K, Paradissis D, Veis G, 2004, Analysis of eleven years of Deformation measured by GNSS in the Corinth Rift Laboratory area, *Comptes Rendus Geoscience*, 336(4-5), 301-311, (77),(Cor)
- Baumont D, Scotti O, Courboux F, Melis N, 2004, Complex kinematic rupture of the Mw 5.9, 1999 Athens Earthquake as revealed by the joint inversion of regional seismological and SAR data, *Geophysical Journal International*, 158(3), 1078-1087, (7),(Ath)
- Bernard P, Boudin F, Sacks S, Linde A, Blum PA, Courteille C, Esnault MF, Castarede H, Felekis S, Billiris H, 2004, Continuous Strain and tilt monitoring on the Trizonia Island, Rift of Corinth, Greece, *Comptes Rendus Geoscience* , 336(4-5), 313-323, (10),(Cor)
- Causse C, Moretti I, Eschard R, Micarelli L, Ghaleb B, Frank N, 2004, Kinematics of the Corinth Gulf inferred from calcite dating and syntectonic Sedimentary characteristics, *Comptes Rendus Geoscience* , 336(4-5) , 281-290, (14),(Cor)
- Clement C, Sachpazi M, Charvis P, Graindorge D, Laigle M, Hirn A, Zafiroopoulos G, 2004, Reflection-refraction seismics in the Gulf of Corinth: hints at deep structure and control of the deep marine Basin, *Tectonophysics*, 391(1-4) , 97-108, (18),(Cor)
- Cornet FH, Doan ML, Moretti I, Borm G, 2004, Drilling through the Active Aigion Fault: the AIG10 well observatory, *Comptes Rendus Geoscience* , 336(4-5) , 395-406, (31),(Cor)
- Daniel JM, Moretti I, Micarelli L, Chuyne SE, Piane CD, 2004, Macroscopic structural analysis of AG10 well (Gulf of Corinth, Greece), *Comptes Rendus Geoscience* , 336(4-5) , 435-444, (11),(Cor)
- De Martini PM, Pantosti D, Palyvos N, Lemeille F, McNeill L, Collier R, 2004, Slip rates of the Aigion and Eliki Faults from Uplifted marine Terraces, Corinth Gulf, Greece, *Comptes Rendus Geoscience* , 336(4-5), 325-334, (45),(Cor)
- Gallovic F, Brokesova J, 2004, The kappa(-2) rupture model parametric study: Example of the 1999 Athens Earthquake, *Studia Geophysica et Geodaetica*, 48(3), 589-613, (9),(Ath)
- Ganas A, Pavlides SB, Sboras S, Valkaniotis S, Papaioannou S, Alexandris GA, Plessa A, Papadopoulos GA, 2004, Active fault Geometry and kinematics in Parnitha mountain, Attica, Greece, *Journal of Structural Geology*, 26(11), 2103-2118, (17),(Ath)
- Gueydan F, Leroy YM, Jolivet L, 2004, Mechanics of low-angle extensional shear zones at the brittle-ductile transition, *Journal of Geophysical Research-Solid Earth* , 109(B12) , B12407, (24),(Glob)
- Jansky J, Zahradnik J, Sokos E, Serpetsidaki A, Tselentis GA, 2004, Relocation of the 2001 Earthquake sequence in Aigion, Greece, *Studia Geophysica et Geodaetica* , 48(2) , 331-344, (2),(Cor)

- Karakostas VG, Papadimitriou EE, Papazachos CB, 2004, Properties of the 2003 Lefkada, Ionian Islands, Greece, Earthquake seismic sequence and Seismicity triggering, Bulletin of the Seismological Society of America, 94(5), 1976-1981, (42),(Kefa)
- Latorre D, Virieux J, Monfret T, Lyon-Caen H, 2004, Converted seismic wave investigation in the Gulf of Corinth from local Earthquakes, Comptes Rendus Geoscience , 336(4-5) , 259-267, (10),(Cor)
- Latorre D, Virieux J, Monfret T, Monteiller V, Vanorio T, Got JL, Lyon-Caen H, 2004, A new seismic tomography of Aigion area (Gulf of Corinth, Greece) from the 1991 data set, Geophysical Journal International , 159(3) , 1013-1031, (55),(Cor)
- Le Pourhiet L, Burov E, Moretti I, 2004, Rifting through a stack of inhomogeneous thrusts (the dipping pie concept), Tectonics, 23(4) , TC4005, (43),(Cor)
- Lemeille F, Chatoupis F, Foumelis M, Rettenmaier D, Unkel I, Micarelli L, Moretti I, Bourdillon C, Guernet C, Muller C, 2004, Recent syn-rift deposits in the hangingwall of the Aigion Fault (Gulf of Corinth, Greece), Comptes Rendus Geoscience , 336(4-5), 425-434, (8),(Cor)
- Leonardi V, Gavrilenko P, 2004, Hydrologic measurements in wells in the Aigion area (Corinth Gulf, Greece): Preliminary results, Comptes Rendus Geoscience , 336(4-5) , 385-393, (4),(Cor)
- Lyon-Caen H, Papadimitriou P, Deschamps A, Bernard P, Makropoulos K, Pacchiani F, Patau G, 2004, First results of the CRLN seismic network in the western Corinth Rift: Evidence for old-fault reactivation, Comptes Rendus Geoscience , 336(4-5) , 343-351, (46),(Cor)
- Malatre F, Ford M, Williams EA, 2004, Preliminary biostratigraphy and 3D Geometry of the Vouraikos Gilbert-type fan delta, Gulf of Corinth, Greece, Comptes Rendus Geoscience , 336(4-5) , 269-280, (22),(Cor)
- Mattei M, D'Agostino N, Zananiri I, Kondopoulou D, Pavlides S, Spatharas V, 2004, Tectonic evolution of fault-bounded continental blocks: Comparison of paleomagnetic and GNSS data in the Corinth and Megara Basins (Greece), Journal of Geophysical Research, 109(B2) , B02106, (23),(Cor)
- McNeill LC, Collier REL, 2004, Uplift and slip rates of the Eastern Eliki fault segment, Gulf of Corinth, Greece, inferred from Holocene and Pleistocene Terraces, Journal of the Geological Society, 181, 81-92, (49),(Cor)
- Moretti I, Lykousis V, Sakellariou D, Reynaud JY, Benziane B, Prinzhofer A, 2004, Sedimentation and subsidence rate in the Gulf of Corinth: what we learn from the Marion Dufresne's long-piston coring, Comptes Rendus Geoscience , 336(4-5), 291-299, (22),(Cor)
- Naville C, Serbutoviez S, Moretti I, Daniel JM, Throo A, Girard F, Sotiriou A, Tselentis A, Skarpezelos C, Brunet C, Cornet F, 2004, Pre-drill surface seismic in the vicinity of the AIG-10 well and post-drill VSP, Comptes Rendus Geoscience , 336(4-5) , 407-414, (11),(Cor)
- Pantosti D, De Martini PM, Koukouvelas I, Stamatopoulos L, Palyvos N, Pucci S, Lemeille F, Pavlides S, 2004, Palaeoseismological investigations of the Aigion Fault (Gulf of Corinth, Greece), Comptes Rendus Geoscience , 336(4-5), 335-342, (28),(Cor)

- Pantosti D, De Martini PM, Papanastassiou D, Lemeille F, Palyvos N, Stavrakakis G, 2004, Paleoseismological trenching across the Atalanti fault (Central Greece): Evidence for the ancestors of the 1894 Earthquake during the middle ages and roman times, *Bulletin of the Seismological Society of America*, 94(2), 531-549, (16),(Atal)
- Papadopoulos GA, Matsumoto H, Ganas A, Karastathis V, Pavlides S, 2004, Deformation patterns associated with the M5.9 Athens (Greece) Earthquake of 7 September 1999, *Journal of Seismology*, 8(3), 381-394, (6),(Ath)
- Pavlides SB, Koukouvelas IK, Kokkalas S, Stamatopoulos L, Keramydas D, Tsodoulos I, 2004, Late Holocene evolution of the East Eliki fault, Gulf of Corinth (Central Greece), *QUATERNARY International*, 139-154, (26),(Cor)
- Pirazzoli PA, Stiros SC, Fontugne M, Arnold M, 2004, Holocene and Quaternary Uplift in the Central part of the southern coast of the Corinth Gulf (Greece), *Marine Geology*, 212(1-4), 35-44, (30),(Cor)
- Pitilaki K, Makropoulos K, Bernard P, Lemeille F, Lyon-Caen H, Berge-Thierry C, Tika T, Manakou M, Diagourtas D, Raptakis D, Kallioglou P, Makra K, Pitilakis D, Bonilla F, 2004, The Corinth Gulf Soft Soil Array (CORSSA) to study site effects, *Comptes Rendus Geoscience*, 336(4-5), 353-365, (8),(Cor)
- Pizzino L, Quattrocchi F, Cinti D, Galli G, 2004, Fluid geochemistry along the Eliki and Aigion seismogenic segments (Gulf of Corinth, Greece), *Comptes Rendus Geoscience*, 336(4-5), 367-374, (24),(Cor)
- Prioul R, Plona T, Kane M, Sinha B, Kaufman P, Signer C, 2004, Azimuthal anisotropy using shear dipole sonic: insights from the AIG 10 well, Corinth Rift Laboratory, *Comptes Rendus Geoscience*, 336(4-5), 477-485, (4),(Cor)
- Rettenmaier D, Giurgea V, Hotzl H, Forster A, 2004, The AIG10 drilling project (Aigion, Greece): interpretation of the litho-log in the context of regional geology and Tectonics, *Comptes Rendus Geoscience*, 336(4-5), 415-423, (11),(Cor)
- Roumelioti Z, Benetatos C, Kiratzi A, Stavrakakis G, Melis N, 2004, A study of the 2 December 2002 (M5.5) Vartholomio (western Peloponnese, Greece) Earthquake and of its largest aftershocks, *Tectonophysics*, 387(1-4), 65-79, (21),(Glob)
- Roumelioti Z, Kiratzi A, Theodulidis N, 2004, Stochastic strong ground-motion simulation of the 7 September 1999 Athens (Greece) Earthquake, *Bulletin of the Seismological Society of America*, 94(3), 1036-1052, (11),(Ath)
- Tirel C, Gueydan F, Tiberi C, Brun JP, 2004, Aegean crustal thickness inferred from gravity inversion. Geodynamical Implications, *Earth and Planetary Science Letters*, 228(3-4), 267-280, (71),(Glob)
- Xypolias P, Koukouvelas IK, 2004, Fault trace parameters as a tool for analysing remotely sensed fault arrays: an example from the Eastern Gulf of Corinth, Greece, *International Journal of Remote Sensing*, 25(21), 4685-4699, (4),(Cor)

- Zahradnik J, Jansky J, Sokos E, Serpetsidaki A, Lyon-Caen H, Papadimitriou P, 2004, Modeling the M(L)4.7 mainshock of the February-July 2001 Earthquake sequence in Aegion, Greece, *Journal of Seismology* , 8(2), 247-257, (9),(Cor)
- Zelt BC, Taylor B, Weiss JR, Goodliffe AM, Sachpazi M, Hirn A, 2004, Streamer tomography velocity models for the Gulf of Corinth and Gulf of Itea, Greece, *Geophysical Journal International* , 159(1), 333-346, (16),(Cor)
- Benedetti L, Finkel R, King G, Armijo R, Papanastassiou D, Ryerson FJ, Flerit F, Farber D, Stavrakakis G, 2003, Motion on the Kaparelli fault (Greece) prior to the 1981 Earthquake sequence determined from Cl-36 cosmogenic dating, *Terra Nova* , 15(2) , 118-124, (32),(Cor)
- Christodoulou D, Papatheodorou G, Ferentinos G, Masson M, 2003, Active seepage in two contrasting pockmark Fields in the Patras and Corinth gulfs, Greece, *Geo-Marine Letters*, 23(3-4), 194-199, (19),(Cor)
- Kiratzis A, Louvari E, 2003, Focal mechanisms of Shallow Earthquakes in the Aegean Sea and the surrounding lands determined by waveform modelling: a new database, *Journal of Geodynamics*, 36(1-2), 251-274, (75),(Glob)
- Leeder MR, McNeill LC, Collier REL, Portman C, Rowe PJ, Andrews JE, Gawthorpe RL, 2003, Corinth rift margin Uplift: New Evidence from Late Quaternary marine shorelines, *Geophysical Research Letters*, 30(12), , (29),(Cor)
- Micarelli L, Moretti I, Daniel JM, 2003, Structural properties of rift-related normal faults: the case study of the Gulf of Corinth, Greece, *Journal of Geodynamics* , 36(1-2), 275-303, (55),(Cor)
- Moretti I, Sakellariou D, Lykousis V, Micarelli L, 2003, The Gulf of Corinth: an Active half graben?, *Journal of Geodynamics* , 36(1-2) , 323-340, (82),(Cor)
- Papadopoulos GA, 2003, Tsunami hazard in the Eastern Mediterranean: Strong Earthquakes and tsunamis in the Corinth Gulf, Central Greece, *Natural Hazards*, 29(3), 437-464, (40),(Cor)
- Papadopoulos GA, Karastathis VK, Ganas A, Pavlides S, Fokaefs A, Orfanogiannaki K, 2003, The Lefkada, Ionian Sea (Greece), shock (M w 6.2) of 14 August 2003: Evidence for the characteristic Earthquake from Seismicity and ground failures, *Earth Planets and Space*, 55(11), 713-718, (26),(Kefa)
- Roumelioti Z, Dreger D, Kiratzis A, Theodoulidis N, 2003, Slip distribution of the 7 September 1999 Athens Earthquake inferred from an empirical Green's function study, *Bulletin of the Seismological Society of America*, 93(2), 775-782, (18),(Ath)
- Roumelioti Z, Kiratzis A, Theodoulidis N, Kalogeras I, Stavrakakis G, 2003, Rupture directivity during the September 7, 1999 (M-w 5.9) Athens (Greece) Earthquake inferred from forward Modeling of strong ground motion, *Pure and Applied Geophysics*, 160(12), 2301-2318, (5),(Ath)
- Sachpazi M, Clement C, Laigle M, Hirn A, Roussos N, 2003, Rift structure, evolution, and Earthquakes in the Gulf of Corinth, from reflection seismic images, *Earth and Planetary Science Letters* , 216(3), 243-257, (29),(Cor)

- Agatza-Balodimou AM, Briole P, Mitsakaki C, Papazissi Y, 2002, Crustal Deformations from sparse geodetic data, *Survey Review* , 36(283) , 367-379, (1),(Cor)
- Baumont D, Courboux F, Scotti O, Melis NS, Stavrakakis G, 2002, Slip distribution of the M-w 5.9, 1999 Athens Earthquake inverted from regional seismological data, *Geophysical Research Letters*, 29(15), , (11),(Ath)
- Gazetas G, Kallou PV, Psarropoulos PN, 2002, Topography and soil effects in the M-S 5.9 Parnitha (Athens) Earthquake: The case of Adames, *Natural Hazards*, 27(1-2), 133-169, (33),(Ath)
- Goldsworthy M, Jackson J, Haines J, 2002, The continuity of Active fault systems in Greece, *Geophysical Journal International*, 148(3), 596-618, (96),(Glob)
- Hasiotis T, Papatheodorou G, Bouckovalas G, Corbau C, Ferentinos G, 2002, Earthquake-induced coastal Sediment instabilities in the western Gulf of Corinth, Greece, *Geology*, 186(3-4), 319-335, (20),(Cor)
- Leeder MR, Collier REL, Aziz LHA, Trout M, Ferentinos G, Papatheodorou G, Lyberis E, 2002, Tectono-Sedimentary Processes along an Active marine/lacustrine half-graben margin: Alkyonides Gulf, E. Gulf of Corinth, Greece, *Basin Research*, 14(1), 25-41, (34),(Cor)
- Lemeille F, Sorel D, Bourdillon C, Guernet C, Manakou M, Berge-Thierry C, 2002, Quantification of the Deformation associated with the Active Aigion fault (Gulf of Corinth, Greece) using the study of Upper Pleistocene and Holocene marine transgression deposits., *Comptes Rendus Geoscience* , 334(7), 497-504, (9),(Cor)
- Papadimitriou EE, 2002, Mode of strong Earthquake recurrence in the Central Ionian Islands (Greece): Possible triggering due to Coulomb stress changes generated by the occurrence of previous strong shocks, *Bulletin of the Seismological Society of America*, 92(8), 3293-3308, (26),(Kefa)
- Papadimitriou P, Voulgaris N, Kassaras I, Kaviris G, Delibasis N, Makropoulos K, 2002, The M-w=6.0, 7 September 1999 Athens Earthquake, *Natural Hazards*, 27(1-2), 15-33, (20),(Ath)
- Papadopoulos GA, 2002, The Athens, Greece, Earthquake (M-s 5.9) of 7 September 1999: An event triggered by the Izmit, Turkey, 17 August 1999 Earthquake?, *Bulletin of the Seismological Society of America*, 92(1), 312-321, (12),(Ath)
- Pavlidis SB, Papadopoulos G, Ganas A, 2002, The fault that caused the Athens September 1999 Ms=5.9 Earthquake: Field observations, *Natural Hazards*, 27(1-2), 61-84, (27),(Ath)
- Sargeant SL, Burton PW, Douglas A, Evans JR, 2002, The source mechanism of the Athens Earthquake, September 7, 1999, estimated from P seismograms recorded at long range, *Natural Hazards*, 27(1-2), 35-45, (5),(Ath)
- Stavrakakis GN, Chouliaras G, Panopoulou G, 2002, Seismic source parameters for the M-L=5.4 Athens Earthquake (7 September 1999) from a new telemetric broad band seismological network in Greece, *Natural Hazards*, 27(1-2), 47-60, (13),(Ath)

- Stefatos A, Papatheodorou G, Ferentinos G, Leeder M, Collier R, 2002, Seismic reflection imaging of Active offshore faults in the Gulf of Corinth: their seismotectonic significance, *Basin Research* , 14(4) , 487-502, (64),(Cor)
- Bouckovalas GD, Kouretzis GP, 2001, Stiff soil amplification effects in the 7 September 1999 Athens (Greece) Earthquake, *Soil Dynamics and Earthquake Engineering*, 21(8), 671-687, (12),(Ath)
- Chery J, 2001, Core complex mechanics: From the Gulf of Corinth to the Snake Range, *Geology*, 29(5) , 439-442, (41),(Cor)
- Flotte N, Plagnes V, Sorel D, Benedicto A, 2001, Attempt to date Pleistocene normal faults of the Corinth-Patras Rift (Greece) by U/Th method, and tectonic Implications, *Geophysical Research Letters* , 28(19) , 3769-3772, (21),(Cor)
- Goldsworthy M, Jackson J, 2001, Migration of activity within normal fault systems: examples from the Quaternary of mainland Greece, *Journal of Structural Geology*, 23(2-3), 489-506, (76),(Glob)
- Jolivet L, 2001, A comparison of geodetic and finite Strain pattern in the Aegean, geodynamic Implications, *Earth and Planetary Science Letters* , 187(1-2) , 95-104, (121),(Glob)
- Koukouvelas IK, Stamatopoulos L, Katsonopoulou D, Pavlides S, 2001, A palaeoseismological and geoarchaeological investigation of the Eliki fault, Gulf of Corinth, Greece, *Journal of Structural Geology*, 23(2-3), 531-543, (44),(Cor)
- Soter S, Blackwelder P, Tziavos C, Katsonopoulou D, Hood T, Alvarez-Zarikian C, 2001, Environmental analysis of cores from the Helike Delta, Gulf of Corinth, Greece, *Journal of Coastal Research*, 17(1), 95-105, (9),(Cor)
- Tiberi C, Diament M, Lyon-Caen H, King T, 2001, Moho topography beneath the Corinth Rift area (Greece) from inversion of gravity data, *Geophysical Journal International* , 145(3) , 797-808, (32),(Cor)
- Zahradnik J, Jansky J, Papatsimpa K, 2001, Focal mechanisms of weak Earthquakes from amplitude spectra and polarities, *Pure and Applied Geophysics* , 158(4), 647-665, (21),(Cor)
- Briole P, Rigo A, Lyon-Caen H, Ruegg JC, Papazissi K, Mitsakaki C, Balodimou A, Veis G, Hatzfeld D, Deschamps A, 2000, Active Deformation of the Corinth rift, Greece: Results from repeated Global Positioning System surveys between 1990 and 1995, *Journal of Geophysical Research-Solid Earth*, 105(B11), 25605-25625, (132),(Cor)
- Goldsworthy M, Jackson J, 2000, Active normal fault evolution in Greece revealed by geomorphology and drainage patterns, *Journal of the Geological Society*, 157, 967-981, (57),(Glob)
- Hatzfeld D, Karakostas V, Ziazia M, Kassaras I, Papadimitriou E, Makropoulos K, Voulgaris N, Papaioannou C, 2000, MicroSeismicity and Faulting Geometry in the Gulf of Corinth (Greece), *Geophysical Journal International* , 141(2) , 438-456, (65),(Cor)
- Kontoes C, Elias P, Sykioti O, Briole P, Remy D, Sachpazi M, Veis G, Kotsis I, 2000, Displacement Field and fault model for the September 7, 1999 Athens Earthquake inferred from ERS2 satellite radar interferometry, *Geophysical Research Letters*, 27(4), 3989-3992, (48),(Ath)

- Perissoratis C, Piper DJW, Lykousis V, 2000, Alternating marine and lacustrine Sedimentation during late Quaternary in the Gulf of Corinth rift Basin, Central Greece, *Marine Geology* , 167(3-4), 391-411, (50),(Cor)
- Pham VN, Bernard P, Boyer D, Chouliaras G, Le Mouel JL, Stavrakakis GN, 2000, Electrical conductivity and crustal structure beneath the Central Hellenides around the Gulf of Corinth (Greece) and their relationship with the seismoTectonics, *Geophysical Journal International* , 142(3) , 948-969, (22),(Cor)
- Poulimenos G, 2000, Scaling properties of normal fault populations in the western Corinth Graben, Greece: Implications for fault growth in large Strain settings, *Journal of Structural Geology*, 22(3), 307-322, (36),(Cor)
- Roberts GP, Ganas A, 2000, Fault-slip directions in Central and southern Greece measured from striated and corrugated fault planes: Comparison with focal mechanism and geodetic data, *Journal of Geophysical Research-Solid Earth*, 105(B10), 23443-23462, (44),(Glob)
- Sachpazi M, Hirn A, Clement C, Haslinger F, Laigle M, Kissling E, Charvis P, Hello Y, Lepine JC, Sapin M, Ansorge J, 2000, Western Hellenic Subduction and Cephalonia Transform: local Earthquakes and plate transport and Strain, *Tectonophysics*, 319(4), 301-319, (76),(Glob)
- Sorel D, 2000, A Pleistocene and still-Active detachment fault and the origin of the Corinth-Patras rift, Greece, *Geology* , 28(1) , 83-86, (107),(Cor)
- Tiberi C, Lyon-Caen H, Hatzfeld D, Achauer U, Karagianni E, Kiratzi A, Louvari E, Panagiotopoulos D, Kassaras I, Kaviris G, Makropoulos K, Papadimitriou P, 2000, Crustal and upper mantle structure beneath the Corinth rift (Greece) from a teleseismic tomography study, *Journal of Geophysical Research*, 105(B12) , 28159-28171, (26),(Cor)
- Tselentis GA, Zahradnik J, 2000, The Athens Earthquake of 7 September 1999, *Bulletin of the Seismological Society of America*, 90(5), 1143-1160, (32),(Ath)
- Cattin R, Briole P, Lyon-Caen H, Bernard P, Pinettes P, 1999, Effects of superficial layers on coseismic displacements for a dip-slip fault and geophysical Implications, *Geophysical Journal International* , 137(1), 149-158, (41),(Cor)
- Cocard M, Kahle HG, Peter Y, Geiger A, Veis G, Felekis S, Paradissis D, Billiris H, 1999, New conStraints on the rapid crustal motion of the Aegean region: recent results inferred from GNSS measurements (1993-1998) aCross the West Hellenic Arc, Greece, *Earth and Planetary Science Letters*, 172(1-2), 39-47, (92),(Glob)
- Koukouvelas IK, Asimakopoulos M, Doutsos TT, 1999, Fractal characteristics of Active normal faults: an example of the Eastern Gulf of Corinth, Greece, *Tectonophysics*, 308(1-2), 263-274, (19),(Cor)
- LeBrun B, Hatzfeld D, Bard PY, Bouchon M, 1999, Experimental study of the ground motion on a large scale topographic hill at Kitherion (Greece), *Journal of Seismology* , 3(1), 1-15, (21),(Cor)
- Louvari E, Kiratzi AA, Papazachos BC, 1999, The Cephalonia Transform Fault and its extension to western Lefkada Island (Greece), *Tectonophysics*, 308(1-2), 223-236, (89),(Kefa)

- Morewood NC, Roberts GP, 1999, Lateral propagation of the surface trace of the South Alkyonides normal fault segment, Central Greece: its impact on models of fault growth and displacement-length relationships, *Journal of Structural Geology*, 21(6), 635-652, (46),(Cor)
- Papadimitriou P, Kaviris G, Makropoulos K, 1999, Evidence of shear-wave splitting in the Eastern Corinthian Gulf (Greece), *Physics of the Earth and Planetary Interiors* , 114(1-2) , 3-13, (5),(Cor)
- Soter S, 1999, Macroscopic seismic anomalies and submarine pockmarks in the Corinth-Patras rift, Greece, *Tectonophysics*, 308(1-2), 275-290, (39),(Cor)
- Clarke PJ, Davies RR, England PC, Parsons B, Billiris H, Paradissis D, Veis G, Cross PA, Denys PH, Ashkenazi V, Bingley R, Kahle HG, Muller MV, Briole P, 1998, Crustal Strain in Central Greece from repeated GNSS measurements in the interval 1989-1997, *Geophysical Journal International*, 135(1), 195-214, (110),(Glob)
- Collier REL, Pantosti D, D'Addezio G, De Martini PM, Masana E, Sakellariou D, 1998, PaleoSeismicity of the 1981 Corinth Earthquake fault: Seismic contribution to extensional Strain in Central Greece and Implications for seismic hazard, *Journal of Geophysical Research*, 103(B12) , 30001-30019, (55),(Cor)
- Doutsos T, Koukouvelas I, 1998, Fractal analysis of normal faults in northwestern Aegean area, Greece, *Journal of Geodynamics* , 26(2-4) , 197-216, (27),(Glob)
- Ganas A, Roberts GP, Memou T, 1998, Segment boundaries, the 1894 ruptures and Strain patterns along the Atalanti Fault, Central Greece, *Journal of Geodynamics*, 26(2-4), 461-486, (19),(Atal)
- Koukouvelas IK, 1998, The Egion fault, Earthquake-related and long-term Deformation, Gulf of Corinth, Greece, *Journal of Geodynamics* , 26(2-4) , 501-513, (28),(Cor)
- Pinettes P, Bernard P, Artru J, Blum PA, Verhille R, Milas P, Veis G, 1998, Strain constraint on the source of the alleged Varotsos-Alexopoulos-Nomicos (VAN) precursor of the 1995 Aigion Earthquake (Greece), *Journal of Geophysical Research-Solid Earth*, 103(B7), 15145-15155, (4),(Cor)
- Baker C, Hatzfeld D, Lyon-Caen H, Papadimitriou E, Rigo A, 1997, Earthquake mechanisms of the Adriatic Sea and Western Greece: Implications for the oceanic Subduction-continental collision transition, *Geophysical Journal International* , 131(3), 559-594, (85),(Glob)
- Bernard P, Briole P, Meyer B, Lyon-Caen H, Gomez JM, Tiberi C, Berge C, Cattin R, Hatzfeld D, Lachet C, Lebrun B, Deschamps A, Courboulex F, Larroque C, Rigo A, Massonnet D, Papadimitriou P, Kassaras J, Diagourtas D, Makropoulos K, Veis G, Papazisi E, Mistakaia C, 1997, The M<sub>s</sub>=6.2, June 15, 1995 Aigion Earthquake (Greece): Evidence for low angle normal Faulting in the Corinth rift, *Journal of Seismology*, 1(2), 131-150, (146),(Cor)
- Bernard P, Chouliaras G, Tzanis A, Briole P, Bouin MP, Tellez J, Stavrakakis G, Makropoulos K, 1997, Seismic and electrical anisotropy in the Mornos delta, Gulf of Corinth, Greece, and its relationship with GNSS Strain measurements, *Geophysical Research Letters* , 24(17) , 2227-2230, (7),(Cor)



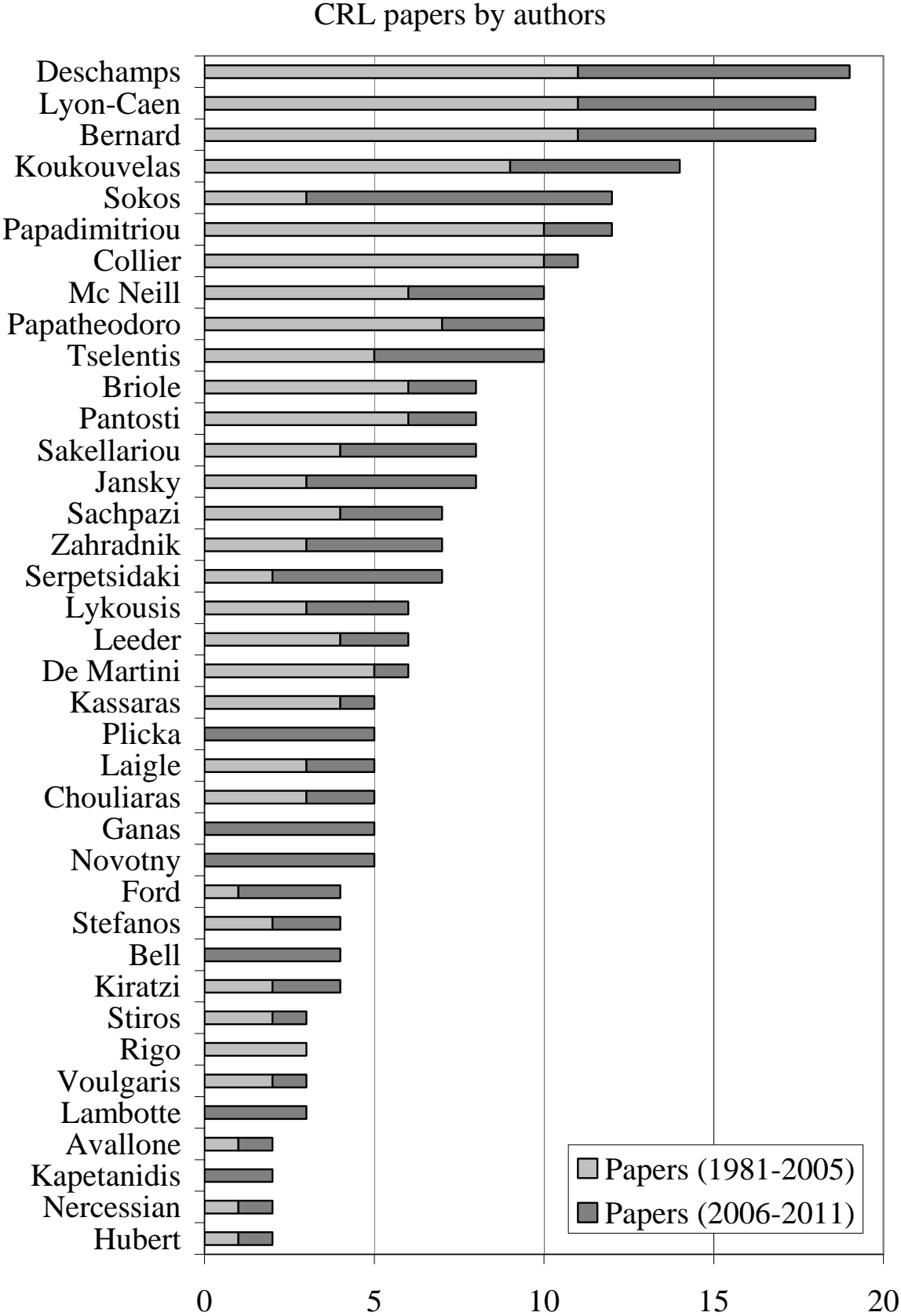
- Bernard P, Pinettes P, Hatzidimitriou PM, Scordilis EM, Veis G, Milas P, 1997, From precursors to prediction: a few recent cases from Greece, *Geophysical Journal International*, 131(3), 467-477, (20),(Glob)
- Clarke PJ, Davies RR, England PC, Parsons BE, Billiris H, Paradissis D, Veis G, Denys PH, Cross PA, Ashkenazi V, Bingley R, 1997, Geodetic estimate of seismic hazard in the Gulf of Korinthos, *Geophysical Research Letters* , 24(11) , 1303-1306, (77),(Cor)
- Dia AN, Cohen AS, ONions RK, Jackson JA, 1997, Rates of Uplift investigated through Th-230 dating in the Gulf of Corinth (Greece), *Chemical Geology*, 138(3-4), 171-184, (37),(Cor)
- Papatheodorou G, Ferentinos G, 1997, Submarine and coastal Sediment failure triggered by the 1995, M(s)=6.1 R Aegion Earthquake, Gulf of Corinth, Greece, *Marine Geology*, 137(3-4), 287-304, (43),(Cor)
- Tselentis GA, Melis NS, Sokos E, Beltas P, 1997, The winter 1991-1992 Earthquake sequence at Cephalonia Island, Western Greece, *Pure and Applied Geophysics*, 150(1), 75-89, (1),(Kefa)
- Armijo R, Meyer B, King GCP, Rigo A, Papanastassiou D, 1996, Quaternary evolution of the Corinth Rift and its Implications for the Late Cenozoic evolution of the Aegean, *Geophysical Journal International*, 126(1), 11-53, (369),(Cor)
- Bouin MP, Tellez J, Bernard P, 1996, Seismic anisotropy around the Gulf of Corinth, Greece, deduced from three-component seismograms of local Earthquakes and its relationship with crustal Strain, *Journal of Geophysical Research-Solid Earth* , 101(B3) , 5797-5811, (16),(Cor)
- Courboux F, Virieux J, Deschamps A, Gibert D, Zollo A, 1996, Source investigation of a small event using empirical Green's functions and simulated annealing, *Geophysical Journal International*, 125(3), 768-780, (21),(Cor)
- Hatzfeld D, Kementzetzidou D, Karakostas V, Ziazia M, Nothard S, Diagourtas D, Deschamps A, Karakaisis G, Papadimitriou P, Scordilis M, Smith R, Voulgaris N, Kiratzi S, Makropoulos K, Bouin MP, Bernard P, 1996, The Galaxidi Earthquake of 18 November 1992: A possible asperity within the normal fault system of the Gulf of Corinth (Greece), *Bulletin of the Seismological Society of America* , 86(6) , 1987-1991, (43),(Cor)
- Hubert A, King G, Armijo R, Meyer B, Papanastasiou D, 1996, Fault re-activation, stress interaction and rupture propagation of the 1981 Corinth Earthquake sequence, *Earth and Planetary Science Letters* , 142(3-4), 573-585, (48),(Cor)
- Koukouvelas IK, Doutsos TT, 1996, Implications of structural segmentation during Earthquakes: The 1995 Egion Earthquake, Gulf of Corinth, Greece, 18(2), 1381-1388, (49),(Cor)
- Pantosti D, Collier R, d'Addezio G, Masana E, Sakellariou D, 1996, Direct Geological Evidence for prior Earthquakes on the 1981 Corinth fault (Central Greece), *Geophysical Research Letters*, 23(25) , 3795-3798, (25),(Cor)

- Pham VN, Boyer D, Chouliaras G, Bernard P, 1996, Electrical conductivity and structure of the crust around the Gulf of Corinth (Greece) from magneto telluric sounding (MTS) results, *Comptes Rendus De l'Academie des Science*323(8), 651-656, (9),(Cor)
- Pirazzoli PA, Laborel J, Stiros SC, 1996, Earthquake clustering in the Eastern Mediterranean during historical times, *Journal of Geophysical Research-Solid Earth*, 101(B3) , 6083-6097, (94),(Glob)
- Poulimenos G, Doutsos T, 1996, Barriers on seismogenic faults in Central Greece, *Journal of Geodynamics* , 22(1-2) , 119-135, (14),(Glob)
- Rietbrock A, Tiberi C, Scherbaum F, LyonCaen H, 1996, Seismic slip on a low angle normal fault in the Gulf of Corinth: Evidence from high-resolution cluster analysis of microEarthquakes, *Geophysical Research Letters* , 23(14), 1817-1820, (82),(Cor)
- Rigo A, LyonCaen H, Armijo R, Deschamps A, Hatzfeld D, Makropoulos K, Papadimitriou P, Kassaras I, 1996, A microseismic study in the western part of the Gulf of Corinth (Greece): Implications for large-scale normal Faulting mechanisms, *Geophysical Journal International*, 126(3), 663-688, (166),(Cor)
- Tselentis GA, Melis NS, Sokos E, Papatsimpa K, 1996, The Egion June 15 1995 (6.2 M(L)) Earthquake western Greece, *Pure and Applied Geophysics* , 147(1), 83-98, (34),(Cor)
- Kahle HG, Muller MV, Geiger A, Danuser G, Mueller S, Veis G, Billiris H, Paradissis D, 1995, THE Strain Field IN NORTHWESTERN Greece AND THE IONIAN-ISLANDS - RESULTS INFERRED FROM GNSS MEASUREMENTS, *Tectonophysics*, 249(1-2), 41-52, (65),(Kefa)
- Le Pichon X, Chamot Rooke N, Lallamant S, Noomen R, Veis G, 1995, Geodetic Determination of THE KINEMATICS of Central Greece with Respect TO Europe - Implications FOR Eastern Mediterranean Tectonics, *Journal of Geophysical Research-Solid Earth*, 100(B7), 12675-12690, (326),(Glob)
- Hatzfeld D, 1994, ON THE Shape of THE SUBDUCTING SLAB BENEATH THE PELOPONNESE, Greece, *Geophysical Research Letters* , 21(3) , 173-176, (27),(Glob)
- Pirazzoli PA, Stiros SC, Arnold, Laborel J, Laborel Deguen, F, Papageorgiou S, 1994, Episodic Uplift DEDUCED FROM HOLOCENE SHORELINES IN THE PERACHORA PENINSULA, Corinth AREA, Greece, *Tectonophysics*, 229(3-4), 201-209, (73),(Cor)
- Stiros SC, Pirazzoli PA, Laborel J, Laborel Deguen F, 1994, THE 1953 Earthquake IN CEPHALONIA (WESTERN HELLENIC ARC) - COASTAL Uplift AND HALOTECTONIC Faulting, *Geophysical Journal International*, 117(3), 834-&, (60),(Kefa)
- Hatzfeld D, Besnard M, Makropoulos K, Hatzdimitriou P, 1993, MICROEarthquake Seismicity AND FAULT-PLANE SOLUTIONS IN THE SOUTHERN AEGEAN AND ITS GEODYNAMIC Implications, *Geophysical Journal International* , 115(3), 799-818, (50),(Glob)
- Tselentis GA, 1993, Shallow ATTENUATION IN THE WEST Corinth-PATRAS RIFT, Greece, *Bulletin of the Seismological Society of America*83(2), 603-609, (2),Cor)

- Doutsos T, Poulimenos G, 1992, Geometry AND KINEMATICS of Active FAULTS AND THEIR SEISMOTECTONIC SIGNIFICANCE IN THE WESTERN Corinth-PATRAS RIFT (Greece), *Journal of Structural Geology*, 14(6), 689-699, (101),(Cor)
- Papazachos CB, Kiratzi AA, Papazachos BC, 1992, RATES OF Active CRUSTAL Deformation IN THE AEGEAN AND THE SURROUNDING AREA, *Journal of Geodynamics*, 16(3), 147-179, (24),(Glob)
- Billiris H, Paradissis D, Veis G, England P, Featherstone W, Parsons B, Cross P, Rands P, Rayson M, Sellers P, Ashkenazi V, Davison M, Jackson J, Ambraseys N, 1991, GEODETIC Determination of TECTONIC Deformation IN Central Greece FROM 1900 TO 1988, *Nature*350(6314), 124-129, (118),(Glob)
- Kiratzi AA, Langston CA, 1991, MOMENT TENSOR INVERSION OF THE 1983 JANUARY 17 KEFALLINIA EVENT OF IONIAN ISLANDS (Greece), *Geophysical Journal International*, 105(2), 529-535,(38),(Kefa)
- Papazachos B, Kiratzi A, Papadimitriou E, 1991, REGIONAL FOCAL MECHANISMS FOR Earthquakes IN THE AEGEAN AREA, *Pure and Applied Geophysics*, 136(4), 405-420, (40),(Glob)
- Taymaz T, Jackson J, Mc Kenzie D, 1991, Active Tectonics of THE NORTH AND Central AEGEAN SEA, *Geophysical Journal International*, 106(2), 433-490, (564),(Glob)
- Ambraseys NN, Jackson JA, 1990, Seismicity and Associated Strain of Central Greece Between 1980 and 1988, *Geophysical Journal International*, 101(3), 663-708, (185),(Glob)
- Doutsos T, Kontopoulos N, Poulimenos G, Frydas D, Piper DJW, 1990, Geologic History of THE EXTENSIONAL Basin of THE GULF of Corinth (MIOCENE-PLEISTOCENE), Greece - COMMENT, *Geology*, 18(12), 1256-125, (66),(Cor)
- Doutsos T, Piper DJW, 1990, LISTRIC Faulting, Sedimentation, AND MORPHOLOGICAL EVOLUTION of THE Quaternary Eastern Corinth RIFT, Greece - 1ST STAGES of CONTINENTAL RIFTING, *Geological Society of America Bulletin*, 102(6), 812-829, (96),(Cor)
- Piper DJW, Stamatopoulos L, Poulimenos G, Doutsos T, Kontopoulos N, 1990, Quaternary History of THE GULFS of PATRAS AND Corinth, Greece, *Zeitschrift FUR Geomorphologie*, 34(4), 451-458, (25),(Cor)
- Ferentinos G, Papatheodorou G, Collins MB, 1988, Sediment TRANSPORT Processes ON AN Active SUBMARINE FAULT ESCARPMENT - GULF-of-Corinth, Greece, *Marine Geology*, 83(1-4), 43-61, (65),(Cor)
- Keraudren B, Sorel D, 1987, THE Terraces of Corinth (Greece) - A DETAILED RECORD of EUSTATIC SEA-LEVEL VARIATIONS DURING THE LAST 500,000 YEARS, *Marine Geology*, 77(1-2), 99-107, (109),(Cor)
- Bezzeghoud M, Deschamps A, Madariaga R, 1986, BROAD-BAND Modeling of THE Corinth, Greece Earthquakes of FEBRUARY AND MARCH 1981, *Annales Geophysicae*, 4(3), 295-304, (9),(Cor)
- Tselentis GA, Makropoulos KC, 1986, RATES of CRUSTAL Deformation IN THE GULF of Corinth (Central Greece) AS DETERMINED FROM Seismicity, *Tectonophysics*, 124(1-2), 55-&, (19),(Cor)

- Ferentinos G, Brooks M, Doutsos T, 1985, Quaternary Tectonics IN THE GULF of PATRAS, WESTERN Greece, *Journal of Structural Geology* 7(6), 713-717, (47),(Cor)
- King GCP, Ouyang ZX, Papadimitriou P, Houseman G, Jackson JA, Soufleris C, Virieux J, 1985, THE EVOLUTION of THE GULF of Corinth (Greece) - AN AFTERSHOCK STUDY of THE 1981 Earthquakes, *Geophysical Journal of the Royal ASTRONOMICAL Society*, 80(3), 677-&, (104),(Cor)
- Scordilis EM, Karakaisis GF, Karacostas BG, Panagiotopoulos DG, Comninakis PE, Papazachos BC, 1985, Evidence FOR TRANSFORM Faulting IN THE IONIAN SEA - THE CEPHALONIA ISLAND Earthquake SEQUENCE OF 1983, *Pure and Applied Geophysics*, 123(3), 388-397, (68),(Kefa)
- Vita Finzi C, King GCP, 1985, THE Seismicity, GEOMORPHOLOGY AND STRUCTURAL EVOLUTION of THE Corinth AREA of Greece, *Philosophical Transactions of the Royal Society of London*, 314(1530), 379-&, (85),(Cor)
- Brooks M, Ferentinos G, 1984, Tectonics AND SedimentATION IN THE GULF of Corinth AND THE ZAKYNTHOS AND KEFALLINIA CHANNELS, WESTERN Greece, *Tectonophysics*, 101(1-2), 25-54, (120),(Cor)
- Jackson JA, Gagnepain J, Houseman G, King GCP, Papadimitriou P, Soufleris C, Virieux J, 1982, Seismicity, NORMAL Faulting, AND THE GEOMORPHOLOGICAL DEVELOPMENT of THE GULF of Corinth (Greece) - THE Corinth Earthquakes of FEBRUARY AND MARCH 1981, *Earth and Planetary Science Letters*, 57(2), 377-399, (280),(Cor)
- Monopolis D, Bruneton A, 1982, IONIAN SEA (WESTERN Greece) - ITS STRUCTURAL OUTLINE DEDUCED FROM DRILLING AND GEOPHYSICAL-DATA, *Tectonophysics*, 83(3-4), 227-242, (56),(Glob)
- Ambraseys NN, Jackson JA, 1981, Earthquake Hazard and vulnerability in the Northeastern Mediterranean - The Corinth Earthquake Sequence of February-March 1981, *Disasters*5(4), 355-368, (16),(Cor)

Annex 2a: CRL papers by authors



Annex 2b: CRL papers by citations

