

CV

- Name: **JOLIVET, Laurent**, Henri, René
- Born: April 7, 1957 at La Flèche (France)
- Home address: 14 voie des Sources, 91530, Le Val Saint Germain, France.
- Office address: Sorbonne Université, ISTeP, 4 Place Jussieu, 75005 Paris, France
- e-mail: laurent.jolivet@upmc.fr
- Web sites : http://www.ae-info.org/ae/Member/Jolivet_Laurent
http://www.istep.upmc.fr/fr/les_equipes/lsdd/jolivet-laurent.html

Present position: Professor (PRCE2), Sorbonne Université

Universities :

- 1977-1980 : Ecole Normale Supérieure de Saint Cloud
- 1977-1984 : Université Pierre et Marie Curie (UPMC-Paris6)

Diplomas :

- 1981 : Agrégation de Sciences Naturelles, option Sciences de la Terre
- 1984 : Thèse de Troisième cycle (UPMC) « *La Chaîne Centrale d'Hokkaido, une chaîne alpine sur la limite de plaque Amérique-Eurasie* ». Dir. J.P. Cadet.
- 1988 : HDR (UPMC) « *Evolution tectonique et Géodynamique du Japon septentrional, déformations décrochantes et ouverture des bassins marginaux* »

Previous positions :

- 1984 : High-school teacher (lycée international de Saint Germain en Laye)
- 1985-1995 : Maître de conférences (associate prof.) Ecole Normale Supérieure (Paris)
- 1995-1998 : Professor at Université de Cergy-Pontoise
- 1999-2009 : Professor at Université Pierre et Marie Curie –UPMC-Paris 6-
- 2009-2017 : Professor at Université d'Orléans

Research students training: more than 30 PhD students

Awards, Medals:

- Médaille de bronze du CNRS 1994
- Prix J. Hall, P. Fallot-Jérémme et C. Jacob de l'Académie des Sciences (1997)
- Prix P. Pruvost de la Société Géologique de France (2003)
- Senior member of Institut Universitaire de France (2007-2017)
- Stephan Mueller Medal, European Geosciences Union 2011
- PI of ERC Advanced Research Grant RHEOLITH (2012-2017) with E. Burov
- Member of Academia Europaea since 2017
- Recipient of the GSA Thompson International Distinguished Lecturer (2019)

Administration, now

- Member of Scientific Committee of BRGM (French Geological survey)
- President of Scientific council of RGF (Référentiel Géologique de la France)
- Editor-in-chief of BSGF-Earth Science Bulletin
- European Editor of Tectonics

Administration , past

- 2006-2007 : Director of UFR (Department) des Sciences de la Terre (UFR 928) at UPMC
- 1999-2006 : Director of UMR Laboratoire de Tectonique at UPMC
- 2004-2006 : Director of ED (doctoral school) GRN, UPMC
- 1995-1997 : in charge of foreign affairs at Université de Cergy-Pontoise
- 2010-2014: Editor-in-chef of Tectonophysics

Publications record (>200 articles in peer-reviewed journals) :

ISI Web of knowledge, June 24, 2019: **Citation Index:11849, h-index: 67**

Google Scholar, June 24, 2019: **Citation Index:18507, h-index: 78**

1983

- 1 - Cadet, J.P., J. Charvet, **L. Jolivet**, and J. Aubouin, La chaîne centrale d'Hokkaido, une chaîne péri-Pacifique pluriphasée, *C. R. Acad. Sc. Paris*, 297, 811-816, 1983.
- 2 - **Jolivet, L.**, M. Nakagawa, and N. Kito, Uppermost Jurassic unconformity in Hokkaido, evidence for an early tectonic stage, *Proc. Japan Acad.*, 59, 153-157, 1983.

1984

- 3 - **Jolivet, L.**, La chaîne centrale d'Hokkaido, Japon, une chaîne alpine sur la limite des plaques Amérique et Eurasie, Thèse de troisième cycle thesis, Université Paris 6, Paris, 1984a.
- 4 - **Jolivet, L.**, La structure de la zone Meta-Ophiolitique (Hokkaido, Japon): un décrochement ductile dextre, *C. R. Acad. Sc. Paris*, 298, 229-234, 1984b.
- 5 - **Jolivet, L.**, and J.P. Cadet, The Iwanai nappe in the Kamuikotan Tectonic Belt, southern Hokkaido, Japan, *J. Fac. Hokkaido Univ.*, 21, 293-304, 1984a.
- 6 - **Jolivet, L.**, and J.P. Cadet, Mouvements décrochants, structuration et limite de plaques dans l'île d'Hokkaido (Japon septentrional), *Annales Soc. geol. Nord*, 3, 345-352, 1984b.

1985

- 7 - **Jolivet, L.**, and S. Miyashita, The Hidaka Shear Zone (Hokkaido, Japan): genesis during a right-lateral strike slip movement, *Tectonics*, 4, 289-302, 1985.
- 8 - Lallemand, S., and **L. Jolivet**, Japan Sea: a pull apart basin, *Earth Planet. Sci. Lett.*, 76, 375-389, 1985.

1986

- 9 - Arita, K., T. Toyoshima, M. Owada, S. Miyashita, and **L. Jolivet**, Tectonic movements of the Hidaka metamorphic belt, Hokkaido, *Japan. Assoc. Geol. Collabor. Japan, Monograph*, 31, 247-264, 1986.
- 10 - **Jolivet, L.**, America-Eurasia plate boundary in eastern Asia and the opening of marginal basins, *Earth Planet. Sci. Lett.*, 81, 282-288, 1986a.
- 11 - **Jolivet, L.**, The Hokkaido Central Belt, the succession of tectonic stages, *Bull. Soc. Géol. France*, 2, 311-327, 1986b.

1987

- 12 - Cadet, J.P., K. Kobayashi, J. Aubouin, J. Boulegue, C. Deplus, J. Dubois, R.V. Huene, **L. Jolivet**, T. Kanazawa, J. Kasahara, K. Koizumi, S. Lallemand, Y. Nakamura, G. Pautot, K. Suyehiro, S. Tani, H. Tokuyama, and T. Yamazaki, The Japan trench and its juncture with the Kuril trench, cruise results of the Kaiko project, Leg 3, *Earth Planet. Sci. Lett.*, 83, 267-284, 1987a.
- 13 - Cadet, J.P., K. Kobayashi, S. Lallemand, **L. Jolivet**, J. Aubouin, J. Boulègue, J. Dubois, H. Hotta, T. Ishii, K. Konishi, N. Niitsuma, and H. Shimamura, Deep scientific dives in the Japan and Kuril trenches, *Earth Planet. Sci. Lett.*, 83, 313-328, 1987b.
- 14 - **Jolivet, L.**, Tectonic evolution of the Hokkaido Central Belt: a model, *Bull. Soc. Géol. France*, 3, 487-497, 1987.

- 15 - Kobayashi, K., J.P. Cadet, J. Aubouin, J. Boulegue, J. Dubois, R. Von Huene, **L. Jolivet**, T. Kanazawa, J. Kasahara, K. Koizumi, S. Lallemand, Y. Nakamura, G. Pautot, K. Suyehiro, S. Tani, H. Tokuyama, and T. Yamazaki, Normal faulting of the Daiichi-Kashima seamount in the Japan trench revealed by the Kaiko I cruise, Leg. 3, *Earth Planet. Sci. Lett.*, **83**, 257-266, 1987.
- 16 - Lallemand, S., J.P. Cadet, and **L. Jolivet**, Geodynamic evolution of Japanese continental margins from Tertiary time to Present: new insights, *Bull. Soc. Géol. France*, **3**, 499-509, 1987.

1988

- 17 - **Jolivet, L.**, Evolution géodynamique du Japon septentrional, déformations décrochantes et ouverture des bassins marginaux, Mémoire d'habilitation thesis, Université Pierre et Marie Curie, Paris, 1988.
- 18 - **Jolivet, L.**, J.P. Cadet, and F. Lalevée, Tectonic evolution of northeast Asia and the collision of the Okhotsk microcontinent, *Tectonophysics*, **149**, 89-109, 1988.

1989

- 19 - **Jolivet, L.**, and P. Huchon, Crustal scale strike-slip deformation in Hokkaido, Northeast Japan, *J. Struct. Geol.*, **11**, 509-522, 1989.
- 20 - **Jolivet, L.**, P. Huchon, and C. Rangin, Tectonic setting of Western Pacific marginal basins, *Tectonophysics*, **160**, 23-47, 1989.
- 21 - Lemoine, M., G. Dardeau, P.Y. Delpech, T. Dumont, P.C. de Graziansky, R. Graham, **L. Jolivet**, D. Roberts, and P. Tricart, Extension syn-rift et failles transformantes jurassiques dans les Alpes occidentales, *C.R. Acad. Sci. Paris*, **309**, 1711-1716, 1989.
- 22 - Rangin, C., M. Pubellier, and **L. Jolivet**, Collision entre les marges de l'Eurasie et de l'Australie: un processus de fermeture des bassins marginaux du Sud-Est asiatique, *C.R. Acad. Sci. Paris*, **309**, 1223-1229, 1989.

1990

- 23 - Gautier, P., M. Ballèvre, J.P. Brun, and **L. Jolivet**, Extension ductile et bassins sédimentaires Mio-Pliocène dans les Cyclades (îles de Naxos et de Paros), *Comptes rendus à l'Académie des Sciences Paris*, **310**, 147-153, 1990.
- 24 - **Jolivet, L.**, P. Davy, and P. Cobbold, Right-lateral shear along the northwest Pacific margin and the India-Eurasia collision, *Tectonics*, **9**, 1409-1419, 1990a.
- 25 - **Jolivet, L.**, R. Dubois, M. Fournier, B. Goffé, A. Michard, and C. Jourdan, Ductile extension in Alpine Corsica, *Geology*, **18**, 1007-1010, 1990b.
- 26 - Rangin, C., **L. Jolivet**, M. Pubellier, et al., A simple model for the tectonic evolution of southeast Asia and Indonesia region for the past 43 Ma, *Bull. Soc. géol. France*, **6**, 889-906, 1990.

1991

- 27 - Cluzel, D., **L. Jolivet**, and J.P. Cadet, Early Middle Paleozoic intraplate orogen in the Ogcheon belt (South Korea): A new insight on the Paleozoic build up of East Asia, *Tectonics*, **10**, 1130-1151, 1991.
- 28 - Fournier, M., **L. Jolivet**, B. Goffé, and R. Dubois, The Alpine Corsica metamorphic core complex, *Tectonics*, **10**, 1173-1186, 1991.

- 29 - Girard, M., L. **Jolivet**, M. Nakagawa, L. Aguirre, and K. Niida, Acidic volcanic products in Lower Cretaceous deposits of the Sorachi-Yezo Belt, Hokkaido, Northeast Japan, *J. Geol. Soc. Jpn.*, *97*, 1-14, 1991.
- 30 - **Jolivet**, L., J.M. Daniel, and M. Fournier, Geometry and kinematics of ductile extension in alpine Corsica, *Earth and Planetary Science Letters*, *104*, 278-291, 1991a.
- 31 - **Jolivet**, L., P. Huchon, J.P. Brun, N. Chamot-Rooke, X. Le Pichon, and J.C. Thomas, Arc deformation and marginal basin opening, Japan Sea as a case study, *J. Geophys. Res.*, *96*, 4367-4384, 1991b.

1992

- 32 - Charvet, J., K. Grimm, J. Griffin, L. **Jolivet**, and A. Pouclet, Structural features in ODP leg 128 cores: relationship with the tectonic evolution of the Japan Sea, in *Proc. ODP, Sci. Results*, vol. 127-128, edited by K. Tamaki, K. Suyehiro, J. Allan, M. McWilliams and e. al., pp. 1175-1193, 1992.
- 33 - Collaku, A.H., J.P. Cadet, M. Bonneau, and L. **Jolivet**, L'édifice structural de l'Albanie septentrionale: des éléments de réponse sur les modalités de la mise en place des ophiolites, *Bull. Soc. géol. France*, *163*, 445-468, 1992.
- 34 - Fagel, N., L. André, H. Chamley, P. Debrabant, and L. **Jolivet**, Clay sedimentation in the Japan Sea since the Early Miocene: influence of source-rock and hydrothermal activity, *Sedimentary Geology*, *80*, 27-40, 1992.
- 35 - **Jolivet**, L., M. Fournier, P. Huchon, V.S. Rozhdestvenskiy, S. Sergeev, and L.S. Oscorbin, Cenozoic intracontinental dextral motion in the Okhotsk-Japan Sea region, *Tectonics*, *11*, 968-977, 1992.
- 36 - **Jolivet**, L., and K. Tamaki, Neogene Kinematics in the Japan Sea region and the volcanic activity of the Northeast Japan arc, in *Proc. ODP, Sci. Results*, vol. 127/128:, edited by K. Tamaki, K. Suyehiro, J. Allan, M. McWilliams and e. al., pp. 1311-1331, Ocean Drilling Program, College Station, TX, 1992.
- 37 - Le Pichon, X., M. Fournier, and L. **Jolivet**, Kinematics, topography, shortening and extrusion in the India-Eurasia collision, *Tectonics*, *11*, 1085-1098, 1992.

1993

- 38 - Gautier, P., J.P. Brun, and L. **Jolivet**, Structure and kinematics of upper Cenozoic extensional detachment on Naxos and Paros (Cyclades Islands, Greece), *Tectonics*, *12*, 1180-1194, 1993.
- 39 - **Jolivet**, L., Extension of thickened continental crust, from brittle to ductile deformation: examples from Alpine Corsica and Aegean Sea, *Annali di Geofisica*, *2*, 139-153, 1993.

1994

- 40 - Andersen, T.B., P.T. Osmundsen, and L. **Jolivet**, Deep crustal fabric and a model for the extensional collapse of the southwest Norwegian Caledonides, *J. Struct. Geol.*, *16*, 1191-1203, 1994.
- 41 - Fournier, M., L. **Jolivet**, P. Huchon, V.S. Rozhdestvenskiy, K.F. Sergeev, and L. Oscorbin, Neogene strike-slip faulting in Sakhalin, and the Japan Sea opening, *J. Geophys. Res.*, *99*, 2701-2725, 1994a.
- 42 - Fournier, M., J.C. Thomas, L. **Jolivet**, and P. Davy, Role of extension during collision tectonics: an analogue experimental approach, *Tectonophysics*, 1994b.

- 43 - **Jolivet, L.**, Comment on "Clockwise tectonic rotation of Tertiary sedimentary basins in central Hokkaido, northern Japan", by K. Kodama, T. Takeuchi and T. Ozawa, *Geology*, 21, 431-434, 1993, *Geology*, 22, 94-95, 1994.
- 44 - **Jolivet, L.**, J.P. Brun, P. Gautier, S. Lallemand, and M. Patriat, 3-D kinematics of extension in the Aegean from the Early Miocene to the Present, insight from the ductile crust, *Bull. Soc. géol. France*, 165, 195-209, 1994a.
- 45 - **Jolivet, L.**, J.M. Daniel, C. Truffert, and B. Goffé, Exhumation of deep crustal metamorphic rocks and crustal extension in back-arc regions, *Lithos*, 33, 3-30, 1994b.
- 46 - **Jolivet, L.**, K. Tamaki, and M. Fournier, Japan Sea, opening history and mechanism, a synthesis, *J. Geophys. Res.*, 99, 22237-22259, 1994c.
- 47 - Lallemand, S., C. Truffert, **L. Jolivet**, P. Henry, N. Chamot-Rooke, and B.D. Voogd, Spatial transition from compression to extension in the western Mediterranean Ridge accretionary complex, *Tectonophysics*, 234, 33-52, 1994.

1995

- 48 - Cambray, H., M. Pubelier, **L. Jolivet**, and A. Poulet, Volcanic activity recorded in deep sea sediments and the geodynamic evolution of Western Pacific island arcs, in *Active Margins and Marginal Basins of the Western Pacific*, vol. 88, *Geophysical Monograph*, edited by B. Taylor and J. Natland, pp. 97-124, American Geophysical Union, New York, 1995.
- 49 - Daniel, J.M., and **L. Jolivet**, Interaction of detachments and granitic plutons during extension in the Tyrrhenian Sea (Elba island), *Bull. Soc. géol. France*, 166, 341-354, 1995.
- 50 - Fournier, M., **L. Jolivet**, and O. Fabbri, Neogene stress field in SW Japan and mechanism of deformation during the Japan Sea opening, *J. Geophys. Res.*, 12, 24295-24314, 1995.
- 51 - **Jolivet, L.**, *La déformation des continents*, 413 pp., Hermann, Paris, 1995.
- 52 - **Jolivet, L.**, H. Shibuya, and M. Fournier, Paleomagnetic rotations and the Japan Sea opening, in *Active Margins and Marginal Basins of the Western Pacific*, vol. 88, *Geophysical Monograph*, edited by B. Taylor and J. Natland, pp. 355-369, 1995b

1996

- 53 - Daniel, J.M., **L. Jolivet**, B. Goffé, and C. Poinssot, Crustal-scale strain partitioning: footwall deformation below the Alpine Corsica Oligo-Miocene detachment, *J. Struct. Geol.*, 18, 41-59, 1996.
- 54 - **Jolivet, L.**, B. Goffé, P. Monié, C. Truffert-Luxey, M. Patriat, and M. Bonneau, Miocene detachment in Crete and exhumation P-T-t paths of high pressure metamorphic rocks, *Tectonics*, 15, 1129-1153, 1996.

1997

- 55 - Avigad, A., Z. Garfunkel, **L. Jolivet**, and J.M. Azañón, Back-arc extension and denudation of Mediterranean eclogites, *Tectonics*, 16, 924- 941, 1997.
- 56 - Brunet, C., P. Monié, and **L. Jolivet**, Geodynamic evolution of Alpine Corsica based on new ⁴⁰Ar/³⁹Ar data, *Terra Nova, special issue EUG*, 493, 1997.
- 57 - Faccenna, C., M. Mattei, R. Funicello, and **L. Jolivet**, Styles of back-arc extension in the Central Mediterranean, *Terra Nova*, 9, 126-130, 1997.
- 59 - Theye, T., J. Reinhardt, B. Goffé, **L. Jolivet**, and C. Brunet, Ferro-magnesiocarpholite from the Monte Argentario (Italy): first evidence for high pressure metamorphism of the

metasedimentary Verrucano sequence, and significance P-T path reconstruction, *Eur. J. Mineral.*, 9, 859-873, 1997.

1998

- 60 - Bousquet, R., R. Oberhänsli, B. Goffé, **L. Jolivet**, and O. Vidal, Distribution of HP-LT metamorphism and extensional deformation in the „Bündnerschiefer“ of the Engadine window (eastern Central Alps): Implications for regional evolution, *J. Metamorphic Geol.*, 16, 653-670, 1998.
- 61 - D'Agostino, N., N. Chamot-Rooke, R. Funicello, **L. Jolivet**, and F. Speranza, The role of pre-existing thrust faults and topography on the styles of extension in the Gran Sasso range (Central Italy). *Tectonophysics*, 292, 229-254, 1998.
- 62 - **Jolivet, L.**, C. Faccenna, B. Goffé, M. Mattei, F. Rossetti, C. Brunet, F. Storti, R. Funicello, J.P. Cadet, and T. Parra, Mid-crustal shear zones in post-orogenic extension: the northern Tyrrhenian Sea case, *J. Geophys. Res.*, 103, 12123-12160, 1998a.
- 63 - **Jolivet, L.**, and G. Gapais, *Extensional tectonics and exhumation of metamorphic rocks*, 1998.
- 64 - **Jolivet, L.**, B. Goffé, R. Bousquet, R. Oberhänsli, and A. Michard, Detachements in high pressure mountains belts, Tethyan examples, *Earth Planet. Sci. Lett.*, 160, 31-47, 1998b.
- 65 - **Jolivet, L.**, and H.C. Nataf, *Géodynamique*, 226 pp., Dunod, Paris, 1998.
- 66 - Patriat, M., and **L. Jolivet**, Post-orogenic extension and shallow-dipping shear zones, study of a brecciated decollement horizon in Tinos (Cyclades, Greece), *C. R. Acad. Sci. Paris*, 326, 355-362, 1998.

1999

- 67 - Gautier, P., J.P. Brun, R. Moriceau, D. Sokoutis, J. Martinod, and **L. Jolivet**, Timing, kinematics and cause of Aegean extension: a scenario based on a comparison with simple analogue experiments, *Tectonophysics*, 315, 31-72, 1999.
- 68 - **Jolivet, L.**, C. Faccenna, N. d'Agostino, M. Fournier, and D. Worrall, The Kinematics of Marginal Basins, examples from the Tyrrhenian, Aegean and Japan Seas, in *Continental Tectonics*, vol. 164, *Geol. Soc. Spec. Pub.*, edited by C. Mac Niocaill and P.D. Ryan, pp. 21-53, Geological Society, London, 1999a.
- 69 - **Jolivet, L.**, D. Frizon de Lamotte, A. Mascle, and M. Séranne, The Mediterranean Basins : Tertiary Extension within the Alpine Orogen - an Introduction, in *The Mediterranean Basins : Tertiary Extension within the Alpine Orogen*, vol. 156, *Special Publications*, edited by B. Durand, L. Jolivet, F. Horvath and M. Séranne, pp. 1-14, Geological Society, London, 1999b.
- 70 - **Jolivet, L.**, H. Maluski, O. Beyssac, B. Goffé, C. Lepvrier, Phan Truong Thi, and Nguyen Van Vuong, The Oligo-Miocene Bu Khang extensional gneiss dome in North Vietnam, geodynamic implications, *Geology*, 27, 67-70, 1999c.
- 71 - **Jolivet, L.**, and M. Patriat, Ductile extension and the formation of the Aegean Sea, in *Geol. Soc. Special Publication*, vol. 156, edited by B. Durand, L. Jolivet, F. Horvath and M. Séranne, pp. 427-456, Geological Society, London, 1999.
- 72 - Rossetti, F., C. Faccenna, **L. Jolivet**, and R. Funicello, Structural evolution of the Giglio island, Northern Tyrrhenian Sea (Italy), *Mem. Soc. Geol. It.*, 52, 493-512, 1999a.
- 73 - Rossetti, F., C. Faccenna, **L. Jolivet**, B. Goffé, R. Funicello, C. Brunet, F. Tecce, and P. Monié, Blueschist to greenschist transition from the Gorgona metamorphic complex (Northern Tyrrhenian Sea, Italy): P-T-t paths, fluid inclusion analysis and geodynamic implications, *Ofioliti*, in press, 1999b.

- 74 - Rossetti, F., C. Faccenna, **L. Jolivet**, F. Tecce, R. Funiciello, and C. Brunet, Syn- versus post-orogenic extension in the Tyrrhenian Sea, the case study of Giglio Island (Northern Tyrrhenian Sea, Italy), *Tectonophysics*, 304, 71-93, 1999c.

2000

- 75 - Aubourg, C., R. Hébert, **L. Jolivet**, and G. Cartayrade, The magnetic fabric in a detachment shear zone: the example of Tinos island (Greece), *Tectonophysics*, 321, 219-236, 2000.
- 76 - Brunet, C., P. Monié, **L. Jolivet**, and J.P. Cadet, Migration of compression and extension in the Tyrrhenian Sea, insights from ⁴⁰Ar/³⁹Ar ages on micas along a transect from Corsica to Tuscany, *Tectonophysics*, 321, 127-155, 2000.
- 77 - **Jolivet, L.**, and C. Faccenna, Mediterranean extension and the Africa-Eurasia collision, *Tectonics*, 19, 1095-1106, 2000.
- 78 - **Jolivet, L.**, and B. Goffé, Les dômes métamorphiques extensifs, *C. R. Acad. Sci. Paris*, 320, 739-751, 2000.
- 79 - Rossetti, F., C. Faccenna, V. Acocella, R. Funiciello, **L. Jolivet**, and F. Salvini, Pluton emplacement in the northern Tyrrhenian area, Italy, in *Salt, shale and igneous diapirs in and around Europe*, vol. 174, edited by B. Vendeville, Mart, Y. & Vigneresse, J.L, pp. 55-77, Geological Society, London, 2000.

2001

- 80 - Agard, P., **L. Jolivet**, and B. Goffé, Tectonometamorphic evolution of the Schistes Lustrés complex: implications for the exhumation of HP and UHP rocks in the Western Alps, *Bull. géol. Soc. France*, 172, 617-636, 2001a.
- 82 - Burov, E., **L. Jolivet**, L. Le Pourhiet, and A. Poliakov, A thermomechanical model of exhumation of HP and UHP metamorphic rocks in Alpine mountain belts, *Tectonophysics*, 342, 113-136, 2001.
- 83 - Faccenna, C., T.W. Becker, F.P. Lucente, **L. Jolivet**, and F. Rossetti, History of subduction and back-arc extension in the Central Mediterranean, *Geophys. J. Int.*, 145, 809-820, 2001a.
- 84 - Faccenna, C., **L. Jolivet**, C. Piromallo, and A. Morelli, Subduction and the depth of convection in the Mediterranean mantle, *J. Geophys. Res.*, in press, 2001b.
- 85 - Famin, V., P. Philippot, and **L. Jolivet**, Footwall cooling by fluid flow along a crustal detachment at the ductile-brittle transition, *soumis*, 2001.
- 86 - Gueydan, F., Y. Leroy, and **L. Jolivet**, Grain-size sensitive flow and shear stress enhancement at the brittle to ductile transition of the continental crust, *Int. Journ. Earth Sciences*, 90, 181-196, 2001.
- 87 - **Jolivet, L.**, A comparison of geodetic and finite strain in the Aegean, geodynamic implications, *Earth Planet. Sci. Lett.*, 187, 95-104, 2001.
- 88 - **Jolivet, L.**, O. Beyssac, B. Goffé, D. Avigad, C. Lepvrier, and H. Maluski, Oligo-Miocene mid-crustal decollement in Indochina, *Tectonics*, 20, 46-57, 2001.
- 89 - **Jolivet, L.**, and H.C. Nataf, *Geodynamics*, 221 pp., A. A. Balkema Publishers, Lisse/Abingdon/Exton/Tokyo, 2001.
- 90 - Maluski, H., C. Lepvrier, **L. Jolivet**, A. Carter, D. Roques, O. Beyssac, Ta Trong Tang, Nguyen Duc Thang, and D. Avigad, Ar-Ar and fission track ages in the Song Chay massif, Indosinian versus Cenozoic tectonics in northern Vietnam, *J. Southeast Asian Earth. Sci.*, 19, 233-248, 2001.
- 91 - Parra, T., O. Vidal, and **L. Jolivet**, Relation between deformation and retrogression in blueschist metapelites of Tinos island (Greece) evidenced by chlorite-mica local equilibria, *Lithos*, 63, 41-66, 2001.

- 92 - Trotet, F., **L. Jolivet**, and O. Vidal, Tectono-metamorphic evolution of Syros and Sifnos islands (Cyclades, Greece), *Tectonophysics*, 338, 179-206, 2001a.
- 93 - Trotet, F., O. Vidal, and **L. Jolivet**, Exhumation of Syros and Sifnos metamorphic rocks (Cyclades, Greece). New constraints on the P-T paths, *Eur. J. Mineral.*, 13, 901-920, 2001.

2002

- 94- Agard, P., P. Monié, **L. Jolivet**, and B. Goffé, Exhumation of the Schistes Lustrés complex: in situ laser probe $^{40}\text{Ar}/^{39}\text{Ar}$ constraints, and implications for the Western Alps, *J. Metamorphic Geol.*, 20, 599-618, 2002.
- 95- Labrousse, L., **L. Jolivet**, P. Agard, R. Hébert, and T.B. Andersen, Crustal-scale boudinage and migmatization of gneiss during their exhumation in the UHP Province of Western Norway, *Terra Nova*, 14, 263-270, 2002.
- 96- Parra, T., O. Vidal, and **L. Jolivet**, Relation between deformation and retrogression in blueschist metapelites of Tinos island (Greece) evidenced by chlorite-mica local equilibria, *Lithos*, 63, 41-66, 2002.
- 97- Rimmelé, G., **L. Jolivet**, R. Oberhänsli, and B. Goffé, Deformation history of the high-pressure Lycian Nappes and implications for tectonic evolution of SW Turkey, *Tectonics*, 22, 10.1029/2001TC901041, 2002.

2003

- 98- Bellahsen, N., C. Faccenna, F. Funiciello, J.M. Daniel, and **L. Jolivet**, Why did Arabia separate from Africa, insights from 3-D laboratory experiments, *Earth Planet. Sci. Lett.*, 216, 365-381, 2003.
- 99- Faccenna, C., **L. Jolivet**, C. Piromallo, and A. Morelli, Subduction and the depth of convection in the Mediterranean mantle, *J. Geophys. Res.*, 108, 2099, doi: 10.1029/2001JB001690, 2003.
- 100- Gueydan, F., Y. Leroy, **L. Jolivet**, and P. Agard, Analysis of continental midcrustal strain localization induced by microfracturing and reaction-softening, *J. Geophys. Res.*, 108, ETG 1-1, doi:10.1029/2001JB000611, 2003.
- 101- **Jolivet**, L., C. Faccenna, B. Goffé, E. Burov, and P. Agard, Subduction tectonics and exhumation of high-pressure metamorphic rocks in the Mediterranean orogens, *Am. J. Science*, 303, 353-409, 2003.
- 102- Rimmelé, G., R. Oberhänsli, B. Goffé, **L. Jolivet**, O. Candan, and M. Cetinkaplan, First evidence of high-metamorphism in the "Cover Series" of the southern Menderes Massif. Tectonic and metamorphic implications for the evolution of SW Turkey, *Lithos*, 71, 19-46, doi:10.1016/S0024-4937(03)00089-6, 2003.

2004

- 103- Faccenna, C., C. Piromallo, A. Crespo-Blanc, **L. Jolivet**, and F. Rossetti, Lateral slab deformation and the origin of the Western Mediterranean arcs, *Tectonics*, 23, doi:10.1029/2002TC001488, 2004.
- 104- Famin, V., S. Nakashima, **L. Jolivet**, and P. Philippot, Behaviour of metamorphic fluids inferred from Infrared microspectroscopy on natural fluid-inclusions. An example from Tinos Island (Greece), *Contrib. Mineral. Petrol.*, 146, 736-749, 2004a.
- 105- Famin, V., P. Philippot, **L. Jolivet**, and P. Agard, Evolution of hydrothermal regime along a crustal shear zone, Tinos island, Greece, *Tectonics*, 23, doi:10.1029/2003TC001509, 2004b.
- 106- Fournier, M., **L. Jolivet**, P. Davy, and J.C. Thomas, Back arc extension and collision: an experimental approach of the tectonics of Asia, *Geophys. J. Int.*, 157, 871-889, 2004.

- 107- Gueydan, F., Y. Leroy, and **L. Jolivet**, Mechanics of low-angle extensional shear zones at the brittle-ductile transition, *J. Geophys. Res.*, *109*, doi:10.1029/2003JB002806, 2004.
- 108- **Jolivet, L.**, V. Famin, C. Mehl, T. Parra, C. Aubourg, R. Hébert, and P. Philippot, Progressive strain localisation, boudinage and extensional metamorphic complexes, the Aegean Sea case, in *Gneiss domes in orogeny*, *Geological Society of America Special Paper 380*, edited by D.L. Whitney, C. Teyssier and C.S. Siddoway, pp. 185-210, Geological Society of America, Boulder, Colorado, 2004a.
- 109- **Jolivet, L.**, G. Rimmelé, R. Oberhänsli, B. Goffé, and O. Candan, Correlation of syn-orogenic tectonic and metamorphic events in the Cyclades, the Lycian Nappes and the Menderes massif, geodynamic implications, *Bull. Geol. Soc. France*, *175*, 217-238, 2004b.
- 110- Labrousse, L., **L. Jolivet**, T.B. Andersen, P. Agard, R. Hébert, H. Maluski, and U. Shärer, Pressure-Temperature-Time-Deformation history of the exhumation of Ultra-High Pressure rocks in the Western Gneiss Region, Norway, in *Gneiss domes in orogeny*, vol. submitted, *Geological Society of America Special Paper 380*, edited by D.L. Whitney, C. Teyssier and C.S. Siddoway, Geological Society of America, Boulder, Colorado, 2004.
- 111- Lacombe, O., and **L. Jolivet**, Structural and kinematic relationships between Corsica and the Pyrenes-Provence domain at the time of the Pyrenean orogeny, *Tectonics*, *24*, TC1003, doi:10.129/2004TC001673, 2004.
- 112- Toussaint, G., E. Burov, and **L. Jolivet**, Continental plate collision: unstable vs. stable slab dynamics, *Geology*, *32*, 33-36, 2004.

2005

- 113- Agard, P., J. Omrani, **L. Jolivet**, and F. Mouthereau, Convergence history across Zagros (Iran): constraints from collisional and earlier deformation, *Int Jour. Earth Sci.*, *94*, 401-419, DOI 10.1007/s00531-005-0481-4, 2005.
- 114- Augier, R., P. Agard, **L. Jolivet**, P. Monié, C. Robin, and G. Booth-Rea, P-T-D-t retrograde evolution of the Nevado-Filabride complex (SE Spain): New insights from in-situ ⁴⁰Ar/³⁹Ar ages and metamorphic petrology, *J. Metam. Geol.*, *23*, 357-381, 2005a.
- 115- Augier, R., **L. Jolivet**, and C. Robin, Late Orogenic doming in the Eastern Betics: Final exhumation of the Nevado-Filabride complex and its relation to basin genesis, *Tectonics*, *24*, TC4003, doi:10.1029/2004TC001687, 2005b.
- 116- Famin, V., R. Hébert, P. Philippot, and **L. Jolivet**, Ion probe and fluid inclusion evidences for co-seismic fluid infiltration in a crustal detachment, *Contrib. Mineral. Petrol.*, *150*, 354-367, DOI 10.1007/s00410-005-0031-x, 2005.
- 117- **Jolivet, L.**, H. Raimbourg, L. Labrousse, D. Avigad, Y. Leroy, H. Austrheim, and T.B. Andersen, Softening triggered by eclogitization, the first step toward exhumation during continental subduction, *Earth and Planetary Science Letters*, *237*, 532-547, 2005.
- 118- Mehl, C., **L. Jolivet**, and O. Lacombe, From ductile to brittle: evolution and localization of deformation below a crustal detachment (Tinos, Cyclades, Greece), *tectonics*, *24*, TC4017, doi:10.1029/2004TC001767, 2005.
- 119- Raimbourg, H., **L. Jolivet**, L. Labrousse, Y. Leroy, and D. Avigad, Kinematics of syn-eclogite deformation in the Bergen Arcs, Norway, implications for exhumation mechanisms, in *Deformation mechanisms, rheology and tectonics*, vol. Special Publication 243, edited by J.-P.B. D. Gapais, P.R. Cobbold, pp. 175-192, Geol. Soc. London, London, 2005.
- 120- Rimmelé, G., T. Parra, B. Goffé, R. Oberhänsli, **L. Jolivet**, and O. Candan, Exhumation paths of high-pressure-low-temperature metamorphic rocks from the Lycian Nappes and the Menderes massif (SW Turkey): a multi-equilibrium approach, *Journal of Petrology*, *46*, 641-669, 2005.

2006

- 121- Agard, P., P. Monié, W. Gerber, J. Omrani, M. Molinaro, L. Labrousse, B. Vrielynck, B. Meyer, **L. Jolivet**, and P. Yamato, Transient, syn-obduction exhumation of Zagros blueschists inferred from P-T-t and kinematic constraints: Implications for Neotethyan wedge dynamics, *J. Geophys. Res.*, *111*, doi:10.1029/2005JB004103, 2006b.
- 122- Fournier, M., C. Lepvrier, P. Razin, and **L. Jolivet**, Post-obduction extension in the Oman Mountains and subsequent compression, *GeoArabia*, *11*, 17-40, 2006.
- 123- **Jolivet, L.**, R. Augier, C. Robin, J.P. Suc, and J.M. Rouchy, The geodynamic context of the Messinian salinity crisis, *Sedimentary Geology*, *188-189*, 9-33, 2006b.
- 124- Rimmelé, G., R. Oberhänsli, O. Candan, B. Goffé, and **L. Jolivet**, The wide distribution of HP-LT rocks in the Lycian Belt (Western Turkey): implications for accretionary wedge geometry, in *Tectonic Development of the Eastern Mediterranean*, vol. 260, *Special Publications*, edited by A.H.F. Robertson and D. Mountrakis, pp. 447-466, Geological Society, London, 2006.
- 125- Trotet, F., B. Goffé, O. Vidal, and **L. Jolivet**, Evidence of retrograde Mg-carpholite in the Phyllite-Quartzite nappe of Peloponnese from thermobarometric modelisation - geodynamic implications, *Geodinamica Acta*, *19*, 323-343, 2006.

2007

- 126- Agard, P., **L. Jolivet**, B. Vrielynck, P. Monié, and E. Burov (2007), Plate accelerations: the obduction trigger?, *Earth Planet. Sci. Lett.*, *258*, 428-441.
- 127- Mehl, C., **L. Jolivet**, O. Lacombe, L. Labrousse, and G. Rimmelé (2007), Structural evolution of Andros island (Cyclades, Greece): a key to the behaviour of a flat detachment within an extending continental crust, in *The geodynamics of the Aegean and Anatolia*, edited by T. Taymaz, et al., pp. 41-73, DOI: 10.1144/SP1291.1143 0305-8719/1107/\$1115.1100, Geological Society, London.
- 128- Raimbourg, H., B. Goffé, and **L. Jolivet** (2007a), Garnet reequilibration in the eclogite facies and geodynamical evolution near peak metamorphic conditions, *Contrib. Mineral. Petrol.*, *153*, 1-28.
- 129- Raimbourg, H., **L. Jolivet**, and Y. Leroy (2007b), Consequences of progressive eclogitization on crustal exhumation, a mechanical study, *Geophys. J. Int.*, doi: 10.1111/j.1365-246X.2006.03130.x, 379-401.
- 130- Ravna, E. J. K., T. B. Andersen, and **L. Jolivet** (2007), Prograde evolution of eclogitized pillow lavas from défilé du Lancone, Alpine Corsica - new insights into the formation of lawsonite eclogites, *in prep.*
- 131- Yamato, P., P. Agard, E. Burov, L. Le Pourhiet, **L. Jolivet**, and C. Tiberi (2007a), Burial and exhumation in a subduction wedge: mutual constraints from thermomechanical modeling and natural P-T-t data (Sch. Lustrés, W. Alps), *J. Geophys. Res.*, *112*, B07410, doi:07410.01029/02006JB004441.
- 132- Yamato, P., P. Agard, B. Goffé, V. De Andrade, O. Vidal, and **L. Jolivet** (2007b), new, high precision P-T estimates for Oman blueschists: implications for obduction, nappe stacking and exhumation processes, *J. Metamorphic Geol.*, *25*, 657-682.

2008

- 133- Gabalda, S., Beyssac, O., **Jolivet, L.**, Agard, P. and Chopin, C., 2008. Thermal structure of a fossil subduction wedge in the Western Alps. *Terra Nova*, *21*: 28-34; doi: 10.1111/j.1365-3121.2008.00849.x.
- 134- **Jolivet, L.**, Augier, R., Faccenna, C., Negro, F., Rimmelé, G., Agard, P., Robin, C., Rossetti, F., Crespo-Blanc, A., 2008a. Subduction, convergence and the mode of back-arc extension in the Mediterranean region. *Bull Soc géol France*, *179*(6): 525-550.
- 135- **Jolivet, L.** and Brun, J.P., 2008. Cenozoic geodynamic evolution of the Aegean region. *Int. J. Earth Science*, in press: DOI: 10.1007/s00531-008-0366-4.

- 136- Omrani, J., Agard, P., Whitechurch, H., Benoit, M., Prouteau, G., **Jolivet, L.**, 2008. Arc-magmatism and subduction history beneath the Zagros Mountains, Iran: A new report of adakites and geodynamic consequences. *Lithos*, 106(3-4): 380–398.
- 137- Vignaroli, G., Faccenna, C., **Jolivet, L.**, Piromallo, C. and Rossetti, F., 2008a. Orogen-parallel extension and arc bending forced by slab tearing and toroidal flow at the junction between Alps and Apennines. *Tectonophysics*, 450(1-4): 34-50, doi:10.1016/j.tecto.2007.12.012
- 138- Vignaroli, G., Faccenna, C., **Jolivet, L.**, Piromallo, C. and Rossetti, F., 2008b. Reply to the comment by G. Capponi et al. on “Subduction polarity reversal at the junction between the Western Alps and the Northern Apennines, Italy”, by G. Vignaroli et al. (*Tectonophysics*, 2008, 450, 34–50) *Tectonophysics*, xxx: xxx-xxx, doi:10.1016/j.tecto.2008.11.007.

2009

- 139- Agard, P., P. Yamato, **L. Jolivet**, and E. Burov (2009), Exhumation of oceanic blueschists and eclogites in subduction zones: Timing and mechanisms, *Earth Science Reviews*, 92(1-2), 53-79.
- 140- Angiboust, S., P. Agard, **L. Jolivet**, and O. Beyssac (2009), The Zermatt-Saas ophiolite: the largest (60-km wide) and deepest (c. 70–80 km) continuous slice of oceanic lithosphere detached from a subduction zone? , *Terra Nova*, 21, 171-180, doi: 110.1111/j.1365-3121.2009.00870.x.
- 141- Huet, B., L. Labrousse, and **L. Jolivet** (2009), Thrust or detachment? Exhumation processes in the Aegean: insight from a field study on Ios (Cyclades, Greece), *Tectonics*, 28, TC3007, doi:3010.1029/2008TC002397.
- 142- **Jolivet, L.**, C. Faccenna, and C. Piromallo (2009), From Mantle to crust: stretching the Mediterranean, *Earth Planet. Sci. Lett.*, 285, 198–209, doi:110.1016/j.epsl.2009.1006.1017
- 143- Vignaroli, G., C. Faccenna, F. Rossetti, and **L. Jolivet** (2009), Insights from the apennines metamorphic complexes and their bearing on the kinematics evolution of the orogen in *Collision and collapse at the Africa-Arabia-Eurasia subduction zone*, edited by D. J. J. van Hinsbergen, M. A. Edwards and R. Govers, pp. 235-256, The Geological Society, London.

2010

- 144- **Jolivet, L.**, and J. P. Brun (2010), Cenozoic geodynamic evolution of the Aegean region, *Int. J. Earth Science*, 99, 109–138, DOI: 110.1007/s00531-00008-00366-00534.
- 145- **Jolivet, L.**, F. Trotet, P. Monié, O. Vidal, B. Goffé, L. Labrousse, P. Agard, and B. Ghorbal (2010a), Along-strike variations of P-T conditions in accretionary wedges and syn-orogenic extension, the HP-LT Phyllite-Quartzite Nappe in Crete and the Peloponnese, *Tectonophysics*, 480, 133-148, doi:110.1016/j.tecto.2009.1010.1002.
- 146- **Jolivet, L.**, E. Lecomte, B. Huet, Y. Denèle, O. Lacombe, L. Labrousse, L. Le Pourhiet, and C. Mehl (2010b), The North Cycladic Detachment System, *Earth and Planet. Sci. Lett.*, 289 87-104, doi:110.1016/j.epsl.2009.1010.1032.
- 147- **Jolivet, L.**, L. Labrousse, P. Agard, O. Lacombe, V. Bailly, E. Lecomte, F. Mouthereau, and C. Mehl (2010c), Corinth Rifting and shallow-dipping detachments, clues from the Corinth Rift and the Aegean *Tectonophysics*, 483, 287–304, doi:210.1016/j.tecto.2009.1011.1001.
- 148- Labrousse, L., G. Hetényi, H. Raimbourg, **L. Jolivet**, and T. B. Andersen (2010), Initiation of crustal-scale thrusts triggered by metamorphic reactions at depth: Insights from a comparison between the Himalayas and Scandinavian Caledonides, *Tectonics*, 29, TC5002, doi:5010.1029/2009TC002602.
- 149- Lecomte, E., **L. Jolivet**, O. Lacombe, Y. Denèle, L. Labrousse, and L. Le Pourhiet (2010), Geometry and kinematics of a low-angle normal fault on Mykonos island (Cyclades, Greece): evidence for slip at shallow dip, *Tectonics*, 29, TC5012, doi:5010.1029/2009TC002564.
- 150- Ravna, E. J. K., T. B. Andersen, **L. Jolivet**, and C. De Capitani (2010), Cold subduction and the formation of lawsonite eclogite – constraints from prograde evolution of eclogitized pillow lava from Corsica, *J. Metam. Geol.*, 28, 381-395, doi:310.1111/j.1525-1314.2010.00870.x.

2011

- 151- Agard, P., J. Omrani, **L. Jolivet**, H. Whitechurch, B. Vrielynck, W. Spakman, P. Monié, B. Meyer, and R. Wortel (2011), Zagros orogeny: a subduction-dominated process, *Geol. Mag.*, doi:10.1017/S001675681100046X.
- 152- Bache, F., S. M. Popescu, C. Gorini, J. P. Suc, G. Clauzon, M. Rabineau, J. L. Olivet, J. Batzan, J. L. Rubino, M. C. Melinte-Dobrinescu, F. Estrada, L. Londeix, R. Armijo, B. Meyer, **L. Jolivet**, G. Jouannic, E. Leroux, D. Aslanian, A. Dos Reis, N. Dumurdžanov, I. Zagorchev, V. Lesić, D. Tomić, M. N. Çağatay, G. Uçarkus, Z. Çakir, J. P. Brun and D. Sokoutis (2011). "A two-step process for the reflooding of the Mediterranean Basin after the Messinian Salinity Crisis." *Basin Research* 23: 1–29, doi: 10.1111/j.1365-2117.2011.00521.x.
- 153- Denèle, Y., E. Lecomte, **L. Jolivet**, O. Lacombe, L. Labrousse, B. Huet, and L. Le Pourhiet (2011), Granite intrusion in a metamorphic core complex: the example of the Mykonos laccolith (Cyclades, Greece), *Tectonophysics*, 501, 52-70, doi:10.1016/j.tecto.2011.1001.1013.
- 154- Huet, B., L. Le Pourhiet, L. Labrousse, E. Burov, and **L. Jolivet** (2011a), Formation of metamorphic core complex in inherited wedges: a thermomechanical modelling study, *Earth Planet. Sci. Lett.*, doi:10.1016/j.epsl.2011.07.004.
- 155- Huet, B., L. Le Pourhiet, L. Labrousse, E. Burov, and **L. Jolivet** (2011b), Post-orogenic extension and metamorphic core complexes in a heterogeneous crust, the role of preexisting nappes, *Geophysical J. Int.*, 184, 611–625, doi: 10.1111/j.1365-1246X.2010.04849.x.
- 156- Lecomte, E., L. Le Pourhiet, O. Lacombe, and **L. Jolivet** (2011), A continuum mechanics approach to quantify brittle strain on weak faults: application to the extensional reactivation of shallow-dipping discontinuities, *Geophys. J. Int.*, 184, 1-11, doi: 10.1111/j.1365-1246X.2010.04821.x.

2012

- 157- Bellahsen, N., **L. Jolivet**, O. Lacombe, M. Bellanger, A. Boutoux, S. Garcia, F. Mouthereau, L. L. Pourhiet, and C. Gumiaux (2012), Mechanisms of margin inversion in the external Western Alps: implications for crustal rheology, *Tectonophysics*, 560-561, 62-83, doi:10.1016/j.tecto.2012.1006.1002.
- 158- Le Pourhiet, L., B. Huet, D. May, L. Labrousse, and **L. Jolivet** (2012), Kinematic interpretation of the 3D shapes of metamorphic core complexes, *Geochem. Geophys. Geosyst.*, 13(9), Q09002, doi:09010.01029/02012GC004271.
- 159- Rolland, Y., J. M. Lardeaux, and **L. Jolivet** (2012), Deciphering orogenic evolution, *J. Geodyn.*, 56-57, 1-6.

2013

- 160- Augier, R., **L. Jolivet**, D. Do Couto, and F. Negro (2013), From ductile to brittle, late- to post-orogenic evolution of the Betic Cordillera: Structural insights from the northeastern Internal zones, *Bull Soc géol France*, 184, 405-425.
- 161- Faccenna, C., T. W. Becker, **L. Jolivet**, and M. Keskin (2013), Mantle convection in the Middle East: Reconciling Afar upwelling, Arabia indentation and Aegean trench rollback, *Earth Planet. Sci. Lett.*, 375, 254-269; dx.doi.org/210.1016/j.epsl.2013.1005.1043.
- 162- **Jolivet, L.**, C. Faccenna, B. Huet, L. Labrousse, L. Le Pourhiet, O. Lacombe, E. Lecomte, E. Burov, Y. Denèle, J. P. Brun, M. Philippon, A. Paul, G. Salaün, H. Karabulut, C. Piromallo, P. Monié, F. Gueydan, A. I. Okay, R. Oberhänsli, A. Pourteau, R. Augier, L. Gadenne and O. O Driussi, (2013). "Aegean tectonics: progressive strain localisation, slab tearing and trench retreat." *Tectonophysics* 597-598: 1-33, doi:10.1016/j.tecto.2012.1006.1011.
- 163- Lacombe, O., **L. Jolivet**, L. Le Pourhiet, E. Lecomte, and C. Mehl (2013), Initiation, geometry and mechanics of brittle faulting in exhuming metamorphic rocks: insights from the northern Cycladic islands (Aegean, Greece), *Bull Soc géol France*, 184, 383-403.
- 164- Le Pourhiet, L., B. Huet, L. Labrousse, K. Yao, P. Agard, and **L. Jolivet** (2013), Strain localisation in mechanically layered rocks beneath detachment zones: insights from numerical modelling, *Solid Earth*, 4, 135-152; doi:110.5194/se-5194-5135-2013.

- 165- Menant, A., **L. Jolivet**, R. Augier, and N. Skarpeelis (2013), The North Cycladic Detachment System and associated mineralization, Mykonos, Greece: insights on the evolution of the Aegean domain, *Tectonics*, 32, 433–452, doi:410.1002/tect.20037.
- 166- Whitechurch, H., J. Omrani, P. Agard, F. Humbert, R. Montigny, and **L. Jolivet** (2013), Evidence for Paleocene–Eocene evolution of the foot of the Eurasian margin (Kermanshah ophiolite, SW Iran) from back-arc to arc: Implications for regional geodynamics and obduction, *Lithos*, 182–183, 11–32; dx.doi.org/10.1016/j.lithos.2013.1007.1017.

2014

- 167- Bellanger, M., N. Bellahsen, **L. Jolivet**, T. Baudin, R. Augier, and A. Boutoux (2014), Basement shear zones development and shortening kinematics in the Ecrins Massif, Western Alps, *Tectonics*, 33, DOI: 10.1002/2013TC003294.
- 168- Bellahsen, N., F. Mouthereau, A. Boutoux, M. Bellanger, O. Lacombe, **L. Jolivet** and Y. Rolland (2014). "Collision kinematics in the western external Alps." *Tectonics* 33: 1055-1088; doi:10.1002/2013TC003453.
- 169- Faccenna, C., T. W. Becker, L. Auer, A. Billi, L. Boschi, J. P. Brun, F. A. Capitanio, F. Funicello, F. Horváth, **L. Jolivet**, C. Piromallo, L. Royden, F. Rossetti and E. Serpelloni (2014). "Mantle dynamics in the Mediterranean." *Reviews of Geophysics* 52: 283-332; doi:210.1002/2013RG000444.
- 170- Huet, B., L. Labrousse, P. Monié, B. Malvoisin, and **L. Jolivet** (2014), Coupled phengite 40Ar-39Ar geochronology and thermobarometry: P-T-t evolution of Andros Island (Cyclades, Greece), *Geol. Mag.*, 152(4), 711-727, doi:710.1017/S0016756814000661.
- 171- Sternai, P., **L. Jolivet**, A. Menant, and T. Gerya (2014), Subduction and mantle flow driving surface deformation in the Aegean-Anatolian system, *Earth Planet. Sci. Lett.*, 405, 110–118; dx.doi.org/110.1016/j.epsl.2014.1008.1023.

2015

- 172- Augier, R., **L. Jolivet**, L. Gadenne, A. Lahfid, and O. Driussi (2015), Exhumation kinematics of the Cycladic Blueschists Unit and back-arc extension, insights from the Southern Cyclades (Sikinos and Folegandros Islands, Greece) *Tectonics*, 34, 152-185, DOI: 110.1002/2014TC003664.
- 173- Beaudoin, A., R. Augier, V. Laurent, **L. Jolivet**, A. Lahfid, V. Bosse, L. Arbaret, A. Rabillard, and A. Menant (2015), The Ikaria high-temperature Metamorphic Core Complex (Cyclades, Greece): Geometry, kinematics and thermal structure, *Journal of Geodynamics*, 92, 18-41, <http://dx.doi.org/10.1016/j.jog.2015.1009.1004>.
- 174- Bellanger, M., R. Augier, N. Bellahsen, **L. Jolivet**, P. Monié, T. Baudin, and O. Beyssac (2015), Shortening of the European Dauphinois margin (Oisans Massif, Western Alps): New insights from RSCM maximum temperature estimates and 40Ar/39Ar in situ dating, *Journal of Geodynamics*, 83, 37–64, dx.doi.org/10.1016/j.jog.2014.1009.1004.
- 175- Clauzon, G., J. P. Suc, D. Do Couto, G. Jouannic, M. C. Melinte-Dobrinescu, **L. Jolivet**, F. Quillevéré, N. Lebret, L. Mocochain, S. M. Popescu, J. Martinell, R. Domenech, J. L. Rubino, C. Gumiaux, S. Warny, S. M. Bellas, C. Gorini, F. Bache, M. Rabineau and F. Estrada (2015). "New insights on the Sorbas Basin (SE Spain): The onshore reference of the Messinian Salinity Crisis." *Marine and Petroleum Geology* 66: 71-100; <http://dx.doi.org/110.1016/j.marpetgeo.2015.1002.1016>.
- 176- Clerc, C., **L. Jolivet**, and J. C. Ringenbach (2015), Ductile extension shear zones on the lower crust of a passive margin, *Earth Planet. Sci. Lett.*, 431, 1-7, <http://dx.doi.org/10.1016/j.epsl.2015.1008.1038>.
- 177- Do Couto, D., C. Gumiaux, **L. Jolivet**, R. Augier, N. Lebret, N. Folcher, G. Jouannic, J. P. Suc, and C. Gorini (2015a), 3D modelling of the Sorbas Basin (Spain): New constraints on the Messinian Erosional Surface morphology, *Marine and Petroleum Geology* 66, 101-116; <http://dx.doi.org/110.1016/j.marpetgeo.2014.1012.1011>.
- 178- Do Couto, D., S. M. Popescu, J. P. Suc, M. C. Melinte-Dobrinescu, N. Barhoun, C. Gorini, **L. Jolivet**, J. Poort, G. Jouannic, and J. L. Auxietre (2015b), Reply to the comment on the paper

- "Lago Mare and the Messinian Salinity Crisis: Evidence from the Alboran Sea (S. Spain) by Do Couto et al. (2014) *Marine and Petroleum Geology* 52 (57-76)" authored by Serrano and Guerra-Merchan, *Marine and Petroleum Geology*, 65 340-342.
- 179 **Jolivet, L.**, C. Gorini, J. Smit, and S. Leroy (2015a), Continental breakup and the dynamics of rifting in back-arc basins: The Gulf of Lion margin, *Tectonics*, 34, doi:10.1002/2014TC003570.
- 180- **Jolivet, L.**, A. Menant, P. Sternai, A. Rabillard, L. Arbaret, R. Augier, V. Laurent, A. Beaudoin, B. Grasemann, B. Huet, L. Labrousse and L. Le Pourhiet (2015). "The geological signature of a slab tear below the Aegean." *Tectonophysics* 659 166–182, doi:110.1016/j.tecto.2015.1008.1004.
- 181- Laurent, V., A. Beaudoin, **L. Jolivet**, L. Arbaret, R. Augier, and A. Rabillard (2015), Interactions between extensional shear zones and syn-tectonic granite intrusion: the example of Ikaria island (Cyclades, Greece), *Tectonophysics*, 651-652, 152-171, <http://dx.doi.org/110.1016/j.tecto.2015.1003.1020>.
- 182- Rabillard, A., L. Arbaret, **L. Jolivet**, N. Le Breton, C. Gumiaux, R. Augier, and B. Grasemann (2015), Interactions between plutonism and detachments during Metamorphic Core Complex formation, Serifos Island (Cyclades, Greece), *Tectonics*, 34, 1080-1106, DOI: 10.1002/2014TC003650.

2016

- 183- Do Couto, D., C. Gorini, **L. Jolivet**, N. Le Bret, R. Augier, C. Gumiaux, E. d'Acremont, A. Ammar, H. Jabour, and J. L. Auxietre (2016), Tectonic and stratigraphic evolution of the Western Alboran Sea Basin in the last 25 Myrs, *Tectonophysics*, <http://dx.doi.org/10.1016/j.tecto.2016.1003.1020>.
- 184- Ducoux, M., Y. Branquet, **L. Jolivet**, L. Arbaret, B. Grasemann, A. Rabillard, C. Gumiaux and S. Drufin (2016). "Synkinematic skarns and fluid drainage along detachments: The West Cycladic Detachment System on Serifos Island (Cyclades, Greece) and its related mineralization." *Tectonophysics* 695: 1-26; <http://dx.doi.org/10.1016/j.tecto.2016.1012.1008>.
- 185- **Jolivet, L.**, C. Faccenna, P. Agard, D. Frizon de Lamotte, A. Menant, P. Sternai, and F. Guillocheau (2016), Neo-Tethys geodynamics and mantle convection: from extension to compression in Africa and a conceptual model for obduction, *Canadian Journal of Earth Sciences*, 53(11), 1190-1204, 1110.1139/cjes-2015-0118.
- 186- Labrousse, L., B. Huet, L. Le Pourhiet, **L. Jolivet** and E. Burov (2016). "Rheological implications of extensional detachments: Mediterranean and numerical insights." *Earth-Science Reviews* 161: 233-258; <http://dx.doi.org/210.1016/j.earscirev.2016.1009.1003>.
- 187- Laurent, V., **L. Jolivet**, V. Roche, R. Augier, S. Scaillet and L. Cardello (2016). "Strain localization in a fossilized subduction channel: insights from the Cycladic Blueschist Unit (Syros, Greece)." *Tectonophysics* 672-673: 150-169; <http://dx.doi.org/110.1016/j.tecto.2016.1001.1036>.
- 188- Menant, A., **L. Jolivet**, and B. Vrielynck (2016a), Kinematic reconstructions and magmatic evolution illuminating crustal and mantle dynamics of the eastern Mediterranean region since the late Cretaceous, *Tectonophysics*, 675, 103-140; doi: 110.1016/j.tecto.2016.1003.1007.
- 189- Menant, A., P. Sternai, **L. Jolivet**, L. Guillou-Frottier, and T. Gerya (2016b), 3D numerical modeling of mantle flow, crustal dynamics and magma genesis associated with slab roll-back and tearing: The eastern Mediterranean case, *Earth Planet. Sci. Lett.*, 442, 93-107; <http://dx.doi.org/110.1016/j.epsl.2016.1003.1002>.
- 190- Palazzin, G., H. Raimbourg, V. Famin, **L. Jolivet**, Y. Kusaba and A. Yamaguchi (2016). "Deformation processes at the down-dip limit of the seismogenic zone: The example of Shimanto accretionary complex." *Tectonophysics* 687: 28-43; <http://dx.doi.org/10.1016/j.tecto.2016.1008.1013>.
- 191- Roche, V., V. Laurent, G. L. Cardello, **L. Jolivet**, and S. Scaillet (2016), The anatomy of the Cycladic Blueschist Unit on Sifnos island (Cyclades, Greece), *Journal of geodynamics*, 97, 62-87; <http://dx.doi.org/10.1016/j.jog.2016.1003.1008>.
- 192- Sternai, P., J. P. Avouac, **L. Jolivet**, C. Faccenna, T. Gerya, T. W. Becker, and A. Menant (2016), On the influence of the asthenospheric flow on the tectonics and topography at a collision-

subduction transition zones: comparison with the eastern Tibetan margin, *Earth Planet. Sci. Lett.*, *in press*, <http://dx.doi.org/doi:10.1016/j.jog.2016.1002.1009>.

2017

- 193- Clerc, C., J. C. Ringenbach, **L. Jolivet**, and J. F. Ballard (2017), Rifted margins: ductile deformation, boudinage, continentward-dipping normal faults and the role of the weak lower crust, *Gondwana Research*, *53*, 20-40; doi: 10.1016/j.gr.2017.1004.1030.
- 194- Laurent, V., B. Huet, L. Labrousse, **L. Jolivet**, P. Monié, and R. Augier (2017), Extraneous argon in high-pressure metamorphic rocks: Distribution, origin and transport in the Cycladic Blueschist Unit (Greece), *Lithos*, *272-273* 315-335, <http://dx.doi.org/310.1016/j.lithos.2016.1012.1013>
- 195- Beaudoin, A, Augier, R., **Jolivet, L.**, Jourdon, A., Raimbourg, H., Scaillet, S., Cardello, G.L., (2017). Deformation behavior of continental crust during subduction and exhumation: Strain distribution over the Tenda massif (Alpine Corsica, France). *Tectonophysics* **705**, 12-32; <http://dx.doi.org/10.1016/j.tecto.2017.1003.1023> (2017).
- 196- Bessièrè, E., A. Rabillard, J. Précigout, L. Arbaret, **L. Jolivet**, R. Augier, A. Menant, and N. Mansard (2017), Strain localization within a syn-tectonic intrusion in a back-arc extensional context: the Naxos monzogranite (Greece), *Tectonics*, *37*, DOI: 10.1002/2017TC004801.
- 197- Koptev, A., E. Burov, T. Gerya, L. Le Pourhiet, S. Leroy, E. Calais, and **L. Jolivet** (2017), Plume-induced continental rifting and break-up in ultra-slow extension context: Insights from 3D numerical modeling, *Tectonophysics*, <http://doi.org/10.1016/j.tecto.2017.1003.1025>.
- 198- Laurent, V., B. Huet, L. Labrousse, **L. Jolivet**, P. Monié, and R. Augier (2017), Extraneous argon in high-pressure metamorphic rocks: Distribution, origin and transport in the Cycladic Blueschist Unit (Greece), *Lithos*, *272-273* 315-335, <http://dx.doi.org/310.1016/j.lithos.2016.1012.1013>.
- 199- Rabillard, A., **L. Jolivet**, L. Arbaret, E. Bessièrè, V. Laurent, A. Menant, R. Augier, and A. Beaudoin (2017), Interactions between plutons and detachments: evidence from the Cyclades (Aegean Sea, Greece), *Tectonics*, <https://doi.org/10.1029/2017TC004697>.
- 200- Sternai, P., L. Caricchi, D. Garcia-Castellanos, **L. Jolivet**, T. E. Sheldrake, and S. Castelltort (2017), Magmatic pulse driven by sea-level changes associated with the Messinian salinity crisis, *Nature Geoscience*, DOI: 10.1038/NGEO3032.

2018

- 201- Chen, J., F. Gaillard, A. Villaros, M. Laumonier, **L. Jolivet**, M. Unsworth, G. Richard, B. Scaillet, L. Hashim, and X. Yang (2018a), Melting conditions in the modern Tibetan crust since the Miocene, *Nature communications*, *9*, 3515 | DOI: 10.1038/s41467-018-05934-41467.
- 202- **Jolivet, L.**, C. Faccenna, M. Tesauro, P. Sternai, and P. Bouilhol (2018a), Mantle flow and deforming continents: From India-Asia convergence to Pacific subduction *Tectonics*, *37*, <https://doi.org/10.1029/2018TC005036>.
- 203- **Jolivet, L.**, A. Menant, C. Clerc, P. Sternai, N. Bellahsen, S. Leroy, R. Pik, M. Stab, C. Faccenna, and C. Gorini (2018b), Extensional crustal tectonics and crust-mantle coupling, a view from the geological record, *Earth Science Reviews*, *185*, 1187-1209, doi:10.1016/j.earscirev.2018.1009.1010.
- 204- Koptev, A., E. Burov, T. Gerya, L. Le Pourhiet, S. Leroy, E. Calais, and **L. Jolivet** (2018), Plume-induced continental rifting and break-up in ultra-slow extension context: Insights from 3D numerical modeling, *Tectonophysics*, *746*, 121-137; <http://dx.doi.org/110.1016/j.tecto.2017.1003.1025>.
- 205- Menant, A., **L. Jolivet**, J. Tuduri, C. Loiselet, G. Bertrand, and L. Guillou-Frottier (2018), 3D subduction dynamics: A first-order parameter of the transition from copper- to gold-rich deposits in the eastern Mediterranean region, *Ore Geology Reviews*, *94*, 118-135; <https://doi.org/110.1016/j.oregeorev.2018.1001.1023>.

- 206- Laurent, V., P. Lanari, I. Nair, R. Augier, A. Lahfid, and **L. Jolivet** (2018), Exhumation of eclogite and blueschist (Cyclades, Greece): Pressure-temperature evolution determined by thermobarometry and garnet equilibrium modeling, *J. Metam. Geol.*, 36, 769-798; DOI: 710.1111/jmg.12309.
- 207- Raimbourg, H., V. Famin, G. Palazzin, M. Mayoux, **L. Jolivet**, C. Ramboz, and A. Yamaguchi (2018), Fluid properties and dynamics along the seismogenic plate interface, *Geosphere*, 14(2), 1–23, doi:10.1130/GES01504.01501.
- 208- Roche, V., C. Conand, **L. Jolivet**, and R. Augier (2018a), Tectonic evolution of Leros (Dodecanese, Greece) and correlations between the Aegean Domain and the Menderes Massif, *J. Geol. Soc London*, <https://doi.org/10.1144/jgs2018-1028>.
- 209- Roche, V., P. Sternai, L. Guillou-Frottier, A. Menant, **L. Jolivet**, V. Bouchot, and T. Gerya (2018b), Emplacement of metamorphic core complexes and associated geothermal systems controlled by slab dynamics, *Earth and Planetary Science Letters* 498 322–333; <https://doi.org/310.1016/j.epsl.2018.1006.1043>.
- 210- Roche, V., V. Bouchot, L. Beccaletto, **L. Jolivet**, L. Guillou-Frottier, J. Tuduri, E. Bozkurt, K. Oguz, and B. Tokay (2018c), Structural, lithological and geodynamic controls on geothermal activity in the Menderes geothermal Province (Western Anatolia, Turkey), *Int J Earth Sci (Geol Rundsch)*, DOI : 10.1007/s00531-00018-01655-00531.

2019

- 211- Koptev, A., A. Beniest, T. Gerya, T. A. Ehlers, **L. Jolivet**, and S. Leroy (2019), Plume-induced breakup of a subducting plate: Microcontinent formation without cessation of the subduction process, *Geophysical Research Letters*, 46, <https://doi.org/10.1029/2018GL081295>.
- 212- Roche, V., **L. Jolivet**, D. Papanikolaou, E. Bozkurt, A. Menant, and G. Rimmelé (2019), Slab fragmentation beneath the Aegean/Anatolia transition zone: Insights T from the tectonic and metamorphic evolution of the Eastern Aegean region, *Tectonophysics*, 754, 101-129; <https://doi.org/110.1016/j.tecto.2019.1001.1016>.
- 213- Sternai, P., Sue, C., Husson, L., Serpelloni, E., Becker, T.W., Willett, S.D., Faccenna, C., di Giulio, A., Spada, G., **Jolivet, L.**, Valla, P., Petit, C., Nocquet, J.M., Walpersdorf, A., Castelltort, S. (2019), Present-day uplift of the European Alps: Evaluating mechanisms and models of their relative contributions, *Earth Science Reviews*, <https://doi.org/10.1016/j.earscirev.2019.1001.1005>.