

CURRICULUM VITAE

FRANCESCO GIUNTOLI

PERSONAL DATA

Date of birth: April 14, 1987

Birthplace: Torino, Italy

Nationality: Italian

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ORCID ID <http://orcid.org/0000-0003-1999-5725>

Scopus <https://www.scopus.com/authid/detail.uri?authorId=49963492100>

Google Scholar <https://scholar.google.it/citations?user=Zb6saVoAAAAJ&hl=en>

Researchgate <https://www.researchgate.net/profile/Francesco-Giuntoli>

Peer review <https://publons.com/researcher/1947810/francesco-giuntoli/peer-review/>

University website <https://www.unibo.it/sitoweb/francesco.giuntoli>

Personal website <https://sites.google.com/view/francescogiuntoli/>

LANGUAGES

Italian: native tongue

English: excellent knowledge

French: good knowledge (Diplôme d'études en langue française DELF B2)

German: basic knowledge (A2 1/2)

PROFESSIONAL EXPERIENCE AND STUDIES

Date from-to

Research fellow (RTDA) at the Department of Biological, Geological, and Environmental Sciences, University of Bologna, Italy. Academic discipline: GEO/03 Structural Geology. **16/02/2022-present**

Post-Doctoral Researcher at the Department of Biological, Geological, and Environmental Sciences, University of Bologna, Italy, as part of the ERC-CoG research project: “DeepSeep” granted to Prof. A. Vitale Brovarone.	01/07/2021- 15/02/2022
Postdoctoral Researcher of a Marie Skłodowska-Curie Individual Fellowship at the University of Bologna, Italy, in collaboration with Prof G. Viola. Title of the project: “Exhumed fossil shear zones: a key to investigate present middle-crustal seismicity”, acronym “SLIP” n° 839779. The candidate wrote the project, and he fulfilled the scientific, financial and bureaucratic leadership. Grant amount: Euro 183473.28.	03/06/2019- 02/06/2021
Post-Doctoral Researcher at Institut de minéralogie, de physique des matériaux et de cosmochimie - CNRS (Sorbonne Université), Paris, France, funded by Tremplin-ERC, Agence Nationale de la Recherche, on the research project: “DeepSeep”. Advisor Prof. A. Vitale Brovarone. The candidate’s role was to constrain the deformation mechanisms and structures that allow the production and migration of abiotic CH ₄ at high pressure in subduction.	03/2018- 01/2019
Post-Doctoral Fellowship at the School of Geography, Earth and Environmental Sciences, Plymouth University, United Kingdom, granted to the candidate by the Swiss National Science Foundation through the funding scheme Early Postdoc Mobility. Advisors Prof L. Menegon, Prof. C. Warren. Research project entitled: "Shearing, fluid-rock interaction and rheology of a deep crustal section of the Scandinavian Caledonides: the COSC-1 drill core". The candidate wrote the project, and he fulfilled the scientific, financial and bureaucratic leadership. Grant amount: CHF 75150.	08/2016- 02/2018
Doctoral degree in Earth Sciences achieved at the University of Bern, Switzerland (supervisor Prof M. Engi, co-supervisor Prof. P. Lanari). Title “Assembly of continental fragments during subduction at HP: Metamorphic history of the central Sesia Zone (NW Alps)”.	02/2012- 04/2016
Master in Geological Sciences at the University of Torino, Italy, graduated <i>cum laude</i> . Title “Structural and petrographic study of the contact between Sesia-Lanzo Zone and Piemonte Zone in the area of Monastero di Lanzo (To), Italy”. Supervisor Prof D. Castelli, co-supervisors Prof R. Compagnoni, Dr M. Beltrando, Dr P. Mosca.	11/2009- 12/2011
Bachelor in Geological Sciences at the University of Torino, Italy, graduated <i>cum laude</i> . Title “Stratigraphic reconstruction and petrographic study of ophiolitic and subcontinental sequences between M.te S. Petrone and M.te Calleruccio, Alpine Corsica (France)”. Supervisor Prof R. Compagnoni, co-supervisor Dr A. Vitale Brovarone.	09/2006- 10/2009
Science Course Diploma (bilingual grammar school) at Liceo Scientifico “N. Copernico”, Torino, Italy.	09/2001- 07/2006

AWARDS AND BURSARIES

Tectonic Studies Group Early Career Researcher conference bursary.	04/2018
Best PhD Thesis in the field of Crystalline Geology - Sezione di Geologia Strutturale della Società Geologica Italiana. Price in memory of “Marco Beltrando”.	09/2016
Best MSc thesis in Geology of the University of Torino for the year 2011; award granted by the Chancellor of the University of Torino.	06/2013

QUALIFICATIONS

Italian qualification for Associate Professor – Geochemistry, mineralogy, petrology, vulcanology, georesources and applications- 04/A1	06/2021
French qualification for Maître de conférences and Maître de conférences du Muséum national d'histoire naturelle section 35 - Structure et évolution de la terre et des autres planètes. Qualification n°:19235327811	02/2019

TEACHING EXPERIENCE

Teacher of the course “Mineral deposits in the field” Master in Geology, University of Bologna	2022
Teacher of the course “Petrography” Bachelor in Geology, University of Bologna	2022
Involved in the PhD projects of Costantino Zuccari (University of Bologna).	2020-Present
Co-supervisor of the Bachelor thesis of Eleonora Bacchi (University of Bologna).	2020
Involved in the PhD projects of Giulia Degli Alessandrini (Plymouth University) and Alice Vho (University of Bern).	2016-2020
Seminar for the Master course “Tectonics and Geodynamics”. University of Bologna	2019
Advanced course for PhDs and staff on the acquisition and analysis of compositional maps with XMapTools software, Plymouth University.	2018
Teaching assistant for practicals in “The Dynamic Earth”, “Structural and metamorphic geology” and “Structures, Magmas and Volcanoes”, Plymouth University. Total hours: 17.	2016-2017
Teaching assistant: Petrology and structural geology field courses (Liguria and Monviso, Central Alps, Sesia Valley); volcanology field course (Gran Canaria), mapping field courses (Adamello, Ivrea, Piora). University of Bern. Total hours: 392.	2012 – 2015
Teaching assistant for practicals in “Grundzüge der Erdwissenschaften – Earth Science Introduction”, University of Bern. Total hours: 18.	2012 – 2015

Involved in the supervision of the Bachelor thesis of Valentin Nigg (University of Bern).

2012

ORGANISATION OF INTERNATIONAL CONFERENCES

Leading convener of the session “Fluid-rock interaction: Kickstarter of metamorphic, deformation and geo-engineering processes”. European Geosciences Union 2022 Vienna, Austria. Programme groups - Geochemistry, Mineralogy, Petrology & Volcanology, Tectonics & Structural Geology.

Co-Convener of the short course “Careers inside and outside of academia: Panel Discussion”. European Geosciences Union 2021, Vienna, Austria.

Co-Convener of the short course “Geology 101: The (hi)story of rocks”. European Geosciences Union 2019, Vienna, Austria. Programme groups-Geodynamics, seismology.

Leading convener of the session “From the nano- to the orogen-scale: metamorphism, deformation and fluid-rock interaction”. European Geosciences Union 2021 Vienna, Austria. Programme groups - Geochemistry, Mineralogy, Petrology & Volcanology, Tectonics & Structural Geology.

Leading convener of the short course “Careers inside and outside of academia: Panel Discussion”. European Geosciences Union 2022, Vienna, Austria.

Co-Convener of the short course “Geology 101: The (hi)story of rocks”. European Geosciences Union 2022, Vienna, Austria. Programme groups-Geodynamics, seismology.

Leading convener of the session “Fluid-rock interaction: Kickstarter of metamorphic, deformation and geo-engineering processes”. European Geosciences Union 2020 Vienna, Austria. Programme groups - Geochemistry, Mineralogy, Petrology & Volcanology, Tectonics & Structural Geology.

Co-convener of the session “Strain localisation, deformation, fluid flow and seismic activity in subduction zones”. European Geosciences Union 2020 Vienna, Austria. Programme groups - Geochemistry, Mineralogy, Petrology & Volcanology, Tectonics & Structural Geology.

Leading convener of the session “Fluid-rock interaction: Kickstarter of metamorphic, deformation and geo-engineering processes”. European Geosciences Union 2019, Vienna, Austria. Programme groups-Geochemistry, Mineralogy, Petrology & Volcanology, Tectonics & Structural Geology.

Co-Convener of the short course “Geology 101: The (hi)story of rocks”. European Geosciences Union 2019, Vienna, Austria. Programme groups-Geodynamics, seismology.

Leading convener of the session “Shaping the lithosphere: fluid-rock interaction, deformation and volatiles cycle”. European Geosciences Union 2018, Vienna, Austria. Programme groups-Geochemistry, Mineralogy, Petrology & Volcanology, Tectonics & Structural Geology.

Member of the local organizing committee of the 2018 Tectonic Studies Group - Metamorphic Studies Group meeting (Plymouth, UK).

Field leader of one stop of the International Eclogite Conference excursion 2013, Courmayeur, Italy.

OUTREACH ACTIVITIES

European Researchers' Night, Bologna, Italy. Title of the activity: “Conosci i ricercatori della Marie Curie Alumni Association”. **09/2021**

European Researchers' Night, Bologna, Italy. Title of the activity: “A TU PER TU con i ricercatori!”. Organizers: researchers of the Marie Skłodowska – Curie actions. **11/2020**

European Researchers' Night, Bologna, Italy. Title of the activity: “Ma Senti Che Attività!”. Organizers: researchers of the Marie Skłodowska – Curie actions. **09/2019**

Fieldwork and mapping experience of the PhD project narrated at the “Fieldwork Diaries” podcast (<https://www.fieldworkdiaries.com/episode-14/>). **06/2018**

SCIENTIFIC ACTIVITY

Member of the Science Team of COSC-2 (Collisional Orogeny in the Scandinavian Caledonides), a second borehole project approved in 2017 by the ICDP (International Continental Scientific Drilling Program). <https://www.icdp-online.org/projects/world/europe/are-jarpen-sweden/details/> **2018-Present**

Member of the Early Career Scientists committee of the Geochemistry-Mineralogy-Petrology-Volcanology division, responsible for the social events-future career. **2019-Present**

Reviewer of scientific proposals for the National Science Center of Poland **2022**

Invited speaker to GFZ, Potsdam (DE). Section Seminar. Title of the talk: “Fluid-rock interaction in deeply subducted rocks” **02/2021**

Reviewer for *Geology*, *Scientific Reports*, *Tectonics*, *Lithos*, *Journal of Structural Geology*, *Journal of Metamorphic Geology*, *Geological Magazine*, *Contributions to Mineralogy and Petrology*, *Italian Journal of Geosciences*. **2019-Present**

Writing of a “Marie Skłodowska-Curie Individual Fellowship”- Evaluated 4.8/5 (Excellent). Funded. **02/2019**

Invited speaker to University of Bologna. Title of the talk: “Unravelling the metamorphic and deformational history of subducted crust” **11/2018**

Writing of a “Marie Skłodowska-Curie Individual Fellowship”- Evaluated 4/5 (Very Good). Not funded. **02/2019**

Invited speaker to Rennes University. Conferences Geosciences Rennes. Title of the talk: “Unravelling the metamorphic and deformative history of subducted crust”. **10/2017**

Writing of a post-doctoral project for the “Swiss National Science Foundation” scheme “Advanced Postdoc Mobility”. Not funded. **07/2017**

Invited speaker to Uppsala University. Seminar Series by Geologiska Sektionen. Title of the talk: “Assembly of continental fragments during subduction at HP”. **01/2017**

Writing of a post-doctoral project for the “Swiss National Science Foundation” scheme “Early Postdoc Mobility”. Funded. **05/2016**

PUBLICATION LIST

Published papers

1. **Giuntoli, F.**, Viola, G. (2022) A likely geological record of deep tremor and slow slip events from a subducted continental broken formation. *Scientific Reports*, 12, 4506. <https://doi.org/10.1038/s41598-022-08489-2>
2. **Giuntoli F.**, Viola G. (2021). Cyclic brittle-ductile oscillations recorded in exhumed high-pressure continental units: A record of deep episodic tremor and slow slip events in the Northern Apennines. *Geochemistry, Geophysics, Geosystems*, 22. e2021GC009805, <https://doi.org/10.1029/2021GC009805>
3. Vitale Brovarone A., Piccoli F., Frasca G., **Giuntoli F.** (2021.). Fresh, pseudotachylyte-bearing mantle peridotites from the lawsonite eclogite-facies San Petrone unit, Alpine Corsica. *Ophioliti*, 46, 167-183, <https://doi.org/10.4454/ofioliti.v46i2.545>
4. **Giuntoli F.**, Vitale Brovarone A., Menegon L. (2020). Feedback between high-pressure genesis of abiotic methane and strain localization in subducted carbonate rocks. *Scientific Reports*, 10, 9848, <https://doi.org/10.1038/s41598-020-66640-3>
5. **Giuntoli F.**, Menegon L., Warren C. J., Darling J., Anderson M. W. (2020). Protracted shearing at midcrustal conditions during large-scale thrusting in the Scandinavian Caledonides. *Tectonics*, 39, e2020TC006267, <https://doi.org/10.1029/2020TC006267>
6. Vho A., Rubatto D., Lanari P., **Giuntoli F.**, Regis D., Hermann J. (2020). Crustal reworking and hydration: Insights from element zoning and oxygen isotopes of garnet in high pressure rocks

- (Sesia Zone, Western Alps, Italy). *Contributions to Mineralogy and Petrology*, 175, 109. <https://doi.org/10.1007/s00410-020-01745-6>
7. **Giuntoli F.**, Menegon L., Warren C. (2018) Replacement reactions and deformation by dissolution and precipitation processes in amphibolites. *Journal of Metamorphic Geology*, 36, 1263–1286, <https://doi.org/10.1111/jmg.12445>
 8. **Giuntoli F.**, Lanari P. and Engi M. (2018). Deeply subducted continental fragments – Part 1: Fracturing, dissolution–precipitation, and diffusion processes recorded by garnet textures of the central Sesia Zone (western Italian Alps). *Solid Earth*, 9, 167-189, <https://doi.org/10.5194/se-9-167-2018>
 9. **Giuntoli F.**, Lanari P., Burn M., Kunz B., and Engi M. (2018). Deeply subducted continental fragments – Part 2: Insight from petrochronology in the central Sesia Zone (western Italian Alps). *Solid Earth*, 9, 191-222, <https://doi.org/10.5194/se-9-191-2018>
 10. Engi M., **Giuntoli F.**, Lanari P., Burn M., Kunz B., and Bouvier A.-S. (2018). Pervasive eclogitization due to brittle deformation and rehydration of subducted basement: Effects on continental recycling? *Geochemistry, Geophysics, Geosystems*, 19, <https://doi.org/10.1002/2017GC007215>
 11. Kunz B. E., Manzotti P., von Niederhäusern B., Engi M., J. R. Darling, **Giuntoli F.**, Lanari P. (2018). Permian high-temperature metamorphism in continental units of the Western Alps (Italy). *International Journal of Earth Sciences*, 107, 203-229, <https://doi.org/10.1007/s00531-017-1485-6>
 12. Lanari P., **Giuntoli F.**, Loury C., Burn M., and Engi M. (2017). An inverse modeling approach to obtain P-T conditions of metamorphic stages involving garnet growth and resorption. *European Journal of Mineralogy*, 29, 181-199, <https://doi.org/10.1127/ejm/2017/0029-2597>
 13. **Giuntoli F.**, Engi M. (2016) Internal geometry of the central Sesia Zone (Aosta Valley, Italy): HP tectonic assembly of continental slices. *Swiss Journal of Geosciences*, 109, 455-471, <https://doi.org/10.1007/s00015-016-0225-4>
 14. Vitale Brovarone, A., Beltrando, M., Malavieille, J., **Giuntoli, F.**, Tondella, E., Groppo, C., & Compagnoni, R. (2011). Inherited ocean–continent transition zones in deeply subducted terranes: insights from Alpine Corsica. *Lithos*, 124, 273-290, <https://doi.org/10.1016/j.lithos.2011.02.013>

Papers under review

- 15. Giuntoli F., Viola G., Eske Sørensen B.** (Journal of Geophysical Research: Solid Earth – In review) Deformation mechanisms of blueschist facies continental metasediments may offer insights into deep episodic tremor and slow slip events.

Papers in submission

- 16. Giuntoli F., Viola G., Villa I. M.** (Journal of the Geological Society – In submission) Constraining high-pressure metamorphism and deformation in continental units of the Northern Apennines.
- 17. Degli Alessandrini G., Menegon L., Giuntoli F.** Strain localisation in the lower crust triggered by prograde metamorphic reactions (part 1): a natural example from sheared metagabbros of the Ivrea Zone.
- 18. Degli Alessandrini G., Menegon L., Giuntoli F.** Strain localisation in the lower crust triggered by prograde metamorphic reactions (part 2): deformation mechanisms in sheared metagabbros of the Ivrea Zone.

CONGRESS ABSTRACTS

- 1. Giuntoli F., Viola G.** (2021). Brittle-ductile deformation in high-pressure continental units and deep episodic tremors and slip events. Presentazione orale. **09/2021**
Congresso SGI 2021, Trieste, Italia
- 2. Giuntoli F., Viola G.** (2021). Cyclic brittle-ductile behaviour recorded in high-pressure continental units of the Northern Apennines and deep episodic tremor and slow slip events. Poster. Waiting for Yorsget, 2021. **06/2021**
- 3. Giuntoli F., Viola G.** (2021). Brittle-ductile deformation in high-pressure continental units and deep episodic tremor and slip. vPICO. EGU 2021, Wien, Austria **04/2021**
- 4. Vitale Brovarone A., Piccoli F., Frasca G., Giuntoli F.,** (2021). Fresh, pseudotachylyte-bearing mantle peridotites from the lawsonite eclogite-facies San Petrone unit, Alpine Corsica. Goldschmidt 2021, Lyon, France. **07/2021**
- 5. Giuntoli F., Viola G.** (2020). Brittle-ductile deformation in high-pressure continental units of the Northern Apennines reveal deep episodic tremor and slip. Oral presentation. GSA 2020. **10/2020**
- 6. Giuntoli F., Viola G.** (2020). Cyclic brittle-ductile behaviour recorded in exhuming high-pressure continental units of the Northern Apennines. Display presentation. EGU 2020, Wien, Austria. **05/2020**
- 7. Giuntoli F., Viola G.** (2020). Cyclic brittle-ductile behaviour recorded in exhuming high-pressure continental units of the Northern Apennines. Understanding earthquakes using the geological record. The Royal Society scientific meeting. **02/2020**

London, United Kingdom.

8. **Giuntoli F.**, Vitale Brovarone A., Menegon L. (2019). High pressure abiotic methanogenesis and strain localization in metamorphosed carbonate rocks. Oral presentation. SIMP-SGI-SOGEI 2019 congress, Parma, Italy. **09/2019**
9. **Giuntoli F.**, Menegon L., Warren C., Darling J., Anderson M. (2019). Protracted shearing at mid crustal conditions in the Scandinavian Caledonides. Oral presentation. SIMP-SGI-SOGEI 2019 congress, Parma, Italy. **09/2019**
10. **Giuntoli F.**, Vitale Brovarone A., Menegon L. (2019) High pressure abiotic methanogenesis and strain localization in metamorphosed carbonate rocks. Oral presentation. EGU 2019, Wien, Austria. **04/2019**
11. Vho A., Lanari P., Rubatto D., **Giuntoli F.**, Regis D., Bulle F. (2019) Crustal reworking and hydration: Insights from an oxygen isotope study of high pressure rocks (Sesia Zone, Western Alps). Oral presentation. EGU 2019, Wien, Austria. **04/2019**
12. Vho A., Lanari P., Rubatto D., **Giuntoli F.** (2018) Fluid-rock interaction in subduction zones: an integrated thermodynamic and $\delta^{18}\text{O}$ fractionation modelling approach. Oral presentation. SGM 2018, Bern, Switzerland. **11/2018**
13. **Giuntoli F.**, Menegon L., Warren C. (2018). Replacement reactions and deformation by coupled dissolution and precipitation in amphibolites in the middle crust. Oral presentation. EGU 2018, Wien, Austria. **04/2018**
14. **Giuntoli F.**, Menegon L., Warren C., Darling J., Anderson M. (2018). Protracted shearing at mid crustal conditions in the Scandinavian Caledonides. Poster presentation. EGU 2018, Wien, Austria. **04/2018**
15. **Giuntoli F.**, Menegon L., Warren C. (2018). Mineral replacement reactions during viscous creep of amphibolites in the middle crust. Oral presentation. TSG & MSG joint conference, Plymouth, United Kingdom. **01/2018**
16. **Giuntoli F.**, Lanari P., Burn M., Kunz B., Engi M. (2018). Deeply subducted continental fragments: Insight from petrochronology. Poster presentation. TSG & MSG joint conference, Plymouth, United Kingdom. **01/2018**
17. Vho A., Rubatto D., Lanari P., **Giuntoli F.** & Regis D. (2017). Garnet chemical and oxygen isotope zoning and accessory mineral investigation to constrain the evolution of subducted continental crust (Sesia Zone, Italy). Oral presentation. 15th Swiss Geoscience Meeting 2017, Davos, Switzerland. **11/2017**
18. Engi M., **Giuntoli F.**, Lanari P., Burn M., Kunz B., and Bouvier A.-S. (2017). Subduction of continental basement: scales of brittle deformation, (re-)hydration, and density filtering. Oral presentation. 2017 GSA Annual Meeting. **10/2017**
19. Vho A., Rubatto D., Lanari P., **Giuntoli F.** & Regis D. (2017). Garnet chemical and oxygen isotope zoning and accessory mineral investigation to constrain the evolution of subducted continental crust (Sesia Zone, Italy). Oral presentation. **09/2017**

Geosciences 2017, Pisa, Italy.

20. **Giuntoli F.**, Menegon L., Warren C. (2017). Dissolution-precipitation creep at mid-crustal levels of the Scandian Caledonides: the COSC-1 case study. Poster presentation. EGU 2017, Wien, Austria. **04/2017**
21. **Giuntoli F.**, Lanari P., Burn M., Kunz B., Engi M. (2017). The fate of continental fragments during subduction at high pressures: insight from the Sesia Zone (Western Italian Alps). Poster presentation. EGU 2017, Wien, Austria. **04/2017**
22. Lanari P., **Giuntoli F.** (2017) An inverse modeling strategy and a computer program to model garnet growth and resorption. Poster presentation. EGU 2017, Wien, Austria. **04/2017**
23. Degli Alessandrini G., Menegon L., **Giuntoli F.** (2017). Protracted weakening during lower crustal shearing along an extensional shear zone. Poster presentation. Poster presentation. EGU 2017, Wien, Austria. **04/2017**
24. **Giuntoli F.**, Menegon L., Warren C. (2017). Dissolution-precipitation creep at mid-crustal levels of the Scandian Caledonides: the COSC-1 case study. Poster presentation. Metamorphic Studies Group meeting, Oxford, United Kingdom. **03/2017**
25. **Giuntoli F.**, Lanari P., Burn M., Kunz B., Engi M. (2017). Assembly of continental fragments during subduction at HP: insight from the Sesia Zone (Western Italian Alps). Oral presentation. Metamorphic Studies Group meeting, Oxford, United Kingdom. **03/2017**
26. Degli Alessandrini G., Menegon L., **Giuntoli F.** (2017). Protracted weakening during lower crustal shearing along an extensional shear zone. Oral presentation. Metamorphic Studies Group meeting, Oxford, United Kingdom. **03/2017**
27. Degli Alessandrini G., Menegon L., **Giuntoli F.** (2017). Protracted weakening during lower crustal shearing along an extensional shear zone. Oral presentation. Joint Assembly TSG-VMSG-BGA, Liverpool, UK. **01/2017**
28. Kunz B.E., Regis D., Manzotti P., von Niederhäusern B., Burn M., **Giuntoli F.**, Engi M. (2015). Pre-Alpine and pre-rifting crustal evolution of continental fragments in the Western Alps. Oral presentation. 13th Swiss Geoscience Meeting, Basel, Switzerland. **11/2015**
29. **Giuntoli F.**, Manzotti P., Engi M., Ballèvre M. (2015). Structural and metamorphic subdivision of the central Sesia Zone (Aosta Valley, Italy). Poster presentation. 13th Swiss Geoscience Meeting, Basel, Switzerland. **11/2015**
30. **Giuntoli F.**, Lanari P., Kunz B., Burn M., Engi M. (2015). Garnet growth and resorption as a tracer of Alpine HP-rehydration of Permian granulite: a case study in the Sesia Zone (NW Alps). Oral presentation. 13th Swiss Geoscience Meeting, Basel, Switzerland. **11/2015**
31. **Giuntoli F.**, Lanari P., Kunz B.-E., Burn M., Engi M. (2015). Garnet growth and **09/2015**

resorption records the PT-path from dry Permian granulite to Alpine eclogite facies rocks, involving HP-hydration in the Sesia Zone (NW Alps). Oral presentation. 12th Alpine Workshop, Briançon, France.

32. **Giuntoli F.**, Manzotti P., Engi M., Ballèvre M. (2015). Structural and metamorphic subdivision of the central Sesia Zone (Aosta Valley, Italy). Poster presentation. 12th Alpine - E. Argand Conference, Briançon, France. **09/2015**
33. Kunz B.-E, Manzotti P., von Niederhäusern B., Burn M., **Giuntoli F.**, Engi M. (2015). Permian metamorphism in fragments of continental crust in the Western Alps. Poster presentation. 12th Alpine Workshop, Briançon, France. **09/2015**
34. Burn M., Kunz B.-E, **Giuntoli F.**, Lanari P., Engi M. (2015). The art to reconstruct the evolution of HP-terrains using a petrochronological approach. Oral presentation. 12th Alpine Workshop, Briançon, France. **09/2015**
35. Engi M., **Giuntoli F.**, Burn M., Kunz B.-E, von Niederhäusern B., Lanari P., Robyr M., Manzotti P., Regis D., Ballèvre M., Rubatto D., Cenko-Tok B., Zucali M., Compagnoni R. (2015). Metamorphic and structural evolution in the internal Western Alps. Oral presentation. 12th Alpine Workshop, Briançon, France. **09/2015**
36. Kunz B.-E., Manzotti P., Von Niederhäusern B., Regis D., Burn M., **Giuntoli F.**, Engi M. (2015). Tracing Permian metamorphism in fragments of continental crust through rifting, subduction and orogenesis. Oral presentation. Goldschmidt 2015, Prague, Czech Republic. **08/2015**
37. Kunz B.-E., Manzotti P., Von Niederhäusern B., Burn M., **Giuntoli F.**, Engi M. (2015). Permian high-temperature metamorphism in continental units of the Western Alps (Italy). Oral presentation. Variscan 2015, Rennes, France **06/2015**
38. **Giuntoli F.**, Lanari P., Engi M. (2015). Garnet cannibalism provides clues to extensive hydration of lower crustal fragments in a subduction channel (Sesia Zone, Northwestern Alps). Oral presentation. EGU 2015, Wien, Austria. **04/2015**
39. **Giuntoli F.**, Engi M., Manzotti P., Ballèvre M. (2015). A new subdivision of the central Sesia Zone (Aosta Valley, Italy). Poster presentation. EGU 2015, Wien, Austria. **04/2015**
40. **Giuntoli F.**, Engi M., Manzotti P., Ballèvre M. (2014). Internal geometry in the Sesia Zone (Aosta Valley, Italy). Oral presentation. 12th Swiss Geoscience Meeting, Fribourg, Switzerland. **11/2014**
41. **Giuntoli F.**, Lanari P., Burn M., Engi M. (2014). From mega- to microscopic and back: The P-T-t-D history of HP rocks from the Sesia Zone. Oral presentation. 87th congress of the Società Geologica Italiana, Milano, Italy. **09/2014**
42. **Giuntoli F.**, Engi M., Regis D, El Korh A., Lanari P. (2013). Recognizing metamorphic stages and tectonic slices in HP-terrains: Case study in the Sesia Zone (NW-Alps, Italy). Poster presentation. 11th Swiss Geoscience Meeting, Lausanne, Switzerland. **11/2013**

43. Burn M., **Giuntoli F.**, Regis D., Lanari P., Engi M. (2013). Mobile Fragments in a Subduction Channel: Correlation of P-T-D-t stages. Oral presentation. 11th Swiss Geoscience Meeting, Lausanne, Switzerland. **11/2013**
44. Burn, M., **Giuntoli, F.**, Regis, D., Lanari, P. & Engi, M. (2013). Mobility Within the Subduction Channel: Correlation of P-T-D-t Stages Amongst Tectonic Fragments. Oral presentation. 11th Workshop on Alpine Geological Studies, Schladming, Austria. **09/2013**
45. Engi M., Regis D., Lanari P., ElKorh A., Burn M., **Giuntoli F.** (2013). Insights into subduction zone dynamics from structurally controlled petrochronology: techniques, examples and open questions. Oral presentation. International Eclogite Conference 2013, Courmayeur, Italy. **09/2013**
46. Lanari, P., Loury C., Burn M., **Giuntoli F.**, Riel N., Rolland Y., Schwartz S., Guillot S., Vidal O., Engi M. (2013). Tracing the continuous P-T path in eclogite by combining thermobarometry with a micromapping approach. Oral presentation. International Eclogite Conference 2013, Courmayeur, Italy. **09/2013**
47. **Giuntoli, F.**, Engi, M., El Korh, A. (2013). Dating metamorphic stages in HP terranes: Case study in the Sesia Zone (NW-Alps, Italy). Oral presentation. Goldschmidt 2013, Firenze, Italy. DOI:10.1180/minmag.2013.077.5.27. **08/2013**
48. Vitale Brovarone, A., Beltrando, M., Malavieille, J., **Giuntoli, F.**, Tondella, E., Groppo, C. Beyssac, O. & Compagnoni, R. (2011). Inherited Ocean-Continent Transition zones in deeply subducted terranes: Insights from Alpine Corsica. Poster presentation. Alpine Workshop, CorseAlp 2011, Saint Florent, Corsica, France. **04/2011**

SCIENTIFIC CONFERENCES AND ADVANCED COURSES

- | | |
|---|----------------|
| Participant at the Congresso SGI 2021, Trieste, Italia, Online. | 09/2021 |
| Participant at the Waiting for Yorsget, 2021, Online. | 06/2021 |
| Participant at the European Geosciences Union General Assembly 2021, Wien, Austria Online. | 04/2021 |
| Participant at the Geological Society of America 2020, Online. | 10/2020 |
| Participant at the workshop “Interplay between mineral reactions and deformation”, (course leader: Lucie Tajcmanova), Online. | 09/2020 |
| Participant at the European Geosciences Union General Assembly 2020, Wien, Austria. | 05/2020 |
| Participant at The Royal Society scientific meeting. Understanding earthquakes using the geological record. London, United Kingdom. | 02/2020 |
| Participant at the Congresso SIMP-SGI-SOGEI 2019, Parma, Italy. | 09/2019 |

Participant at the workshop "New perspectives in nano-analysis with correlative 3D Raman imaging - workshop and hands-on session", LOT-QuantumDesign s.r.l. Bologna, Italy.	06/2019
Participant at the European Geosciences Union General Assembly 2019, Wien, Austria.	04/2019
Participant at the geological excursion at the l'Île de Groix, France, organized by the Société Française de Minéralogie et Cristallographie.	03/2019
Participant at the 2 nd GeoPlaNet Thematic School - Fluid-Rock Interactions in the Solar System, Nantes, France.	11/2018
Participant at the European Geosciences Union General Assembly 2018, Wien, Austria.	04/2018
Participant at TSG and MSG Joint Conference 2018, Plymouth, UK.	01/2018
Participant at the 4 th European Geosciences Union Summer School – Structural analysis of crystalline rocks, South Tyrol, Italy.	08/2017
Participant at the European Geosciences Union General Assembly 2017, Wien, Austria.	04/2017
Participant at the 2017 Metamorphic Studies Group meeting, Oxford, United Kingdom.	03/2017
Participant at the 2017 Metamorphic Studies Group - EBSD workshop, Oxford, United Kingdom.	03/2017
Participant at the 88 th congress of the Società Geologica Italiana, Napoli, Italy.	09/2016
Participant at the Trandscand Excursion / Workshop across the central part of the Scandes Jämtland (Sweden) and Trøndelag (Norway).	08/2016
Participant at the course "Workshop Scientific Writing" (course leaders: Marc Matter, Jeanette Regan), Bern, Switzerland.	12/2015
Participant at the 13 th Swiss Geoscience Meeting, Basel, Switzerland.	11/2015
Participant at the 12 th Alpine Workshop, Briançon, France.	09/2015
Participant at the European Geosciences Union General Assembly 2015, Wien, Austria.	04/2015
Participant at the 12 th Swiss Geoscience Meeting, Fribourg, Switzerland.	11/2014
Participant at the course "Thermobarometry in low-grade metamorphic rocks: Insights from thermodynamic modeling" (course leaders: Pierre Lanari & Marco Burn), Valbonne, France.	10/2014
Participant at the 87 th congress of the Società Geologica Italiana, Milano, Italy.	09/2014
Participant at the PhD course "Microstructure with EBSD: What can be done with?" (course leader: M.-A. Kaczmarek), Lausanne, Switzerland.	02/2014

Participant at the course “Effective Presentations in English” (course leader: Marc Matter), Bern, Switzerland.	02/2014
Participant at the PhD course “Equilibrium assemblage diagrams - the geek's approach to understanding thermodynamics” (course leader: Christian de Capitani), Genève.	12/2013
Participant at the 11 th Swiss Geoscience Meeting, Lausanne, Switzerland.	11/2013
Participant at the course “Scientific Writing Clinic” (course leaders: Marc Matter, Jeanette Regan), Bern, Switzerland.	10/2013
Participant at the excursion “Cross section from the Austroalpine nappes to the Penninic and Subpenninic nappes of the Tauern Window”. 11 ^o Workshop of Alpine Geological Studies, Schladming, Austria	09/2013
Participant at the 11 th Workshop of Alpine Geological Studies, Schladming, Austria.	09/2013
Participant at the International Eclogite Conference 2013, Courmayeur, Italy.	09/2013
Participant at the Goldschmidt 2013 workshop “Iolite: software for the deconvolution of time resolved analytical data” (course leaders: Jon Woodhead, Bence Paul, Chad Paton), Firenze, Italy.	08/2013
Participant at Goldschmidt 2013, Firenze, Italy.	08/2013
Participant at the 10 th Swiss Geoscience Meeting, Bern, Switzerland.	11/2012
Participant at the PhD short course “Convergent margins and subduction zones: deformation processes at the plate interface” (course leader: Mark Cloos), Torino, Italy.	11/2012
Participant at the PhD short course “Introduction to Secondary Ion Mass Spectrometry in the Earth Sciences” (course leader: Dr Michael Wiedenbeck), Potsdam, Germany.	10/2012
Participant at the International CorseAlp 2011 Meeting (Alpine Workshop), Saint Florent, Corsica, France.	04/2011

BIBLIOMETRIC PARAMETERS

Publications: 14

Total citations: 289

H-index: 9

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Personal website: <https://sites.google.com/view/francescogiuntoli/>