

Publications

(19th August 2013)

Peer-review publications:

4. **Scharf, A.**, Handy, M.R., Schmid, S.M. & Sudo, M. (in prep.) Thermal evolution from orogenic doming to extensional exhumation - new perspectives from in-situ $^{40}\text{Ar}/^{39}\text{Ar}$ laser-probe ages of white mica (Tauern Window, Eastern Alps).
3. **Scharf, A.**, Handy, M.R. Ziemann, M.A. & Schmid, S.M. (2013b) Peak-temperature patterns of polyphase metamorphism resulting from accretion, subduction and collision (eastern Tauern Window, European Alps) – A study with Raman microspectroscopy on carbonaceous material (RSCM). *Journal of Metamorphic Geology*, doi:10.1111/jmg.12048.
2. **Scharf, A.**, Handy, M.R., Favaro, S. & Schmid, S.M. (2013a) Modes of orogen-parallel stretching and extensional exhumation of thickening orogenic crust in response to microplate indentation and slab roll-back (Tauern Window, Eastern Alps). *International Journal of Earth Sciences*, 102(6), 1627-1654, doi:10.1007/s00531-013-0894-4.
1. Schmid, S.M., **Scharf, A.**, Handy, M.R. & Rosenberg, C.L. (2013) The Tauern Window (Eastern Alps, Austria) – A new tectonic map, cross-sections and tectonometamorphic synthesis. *Swiss Journal of Geosciences*, 106, 1-32, doi:10.1007/s00015-013-0123-y.

Abstracts (only first author):

10. **Scharf, A.**, Handy, M.R. & Crupi, P. (2013) Coeval doming and stretching of the eastern end of the India-Asia collision zone – Namche Barwa Syntaxis, Tibet. AGU 2013-XXX-XXX, San Francisco, U.S.A.
9. **Scharf, A.**, Favaro, S., Bertrand, A., Handy, M.R., Schuster, R., Fügenschuh, B., Schmid, S.M. & Sudo, M. (2013) Late Oligocene to Miocene exhumation/cooling history of the Tauern Window (Eastern Alps) – new constraints by $^{40}\text{Ar}/^{39}\text{Ar}$ laser ablation ages on white micas. 11th Alpine workshop, Schladming, Austria.
8. **Scharf, A.**, Handy, M.R., Schmid, S.M. & Sudo, M. (2013) Contemporaneous versus diachronous rapid exhumation in the Tauern Window – new perspectives from in-situ $^{40}\text{Ar}/^{39}\text{Ar}$ laser-probe ages of white mica (Eastern Alps). EGU2013-8399, Vienna, Austria.
7. **Scharf, A.**, Ziemann, M. & Handy, M.R. (2012) Peak-temperature (Tp) estimates with Raman micro-spectroscopy on carbonaceous material (RSCM) as a tool for distinguishing tectonometamorphic regimes in the Tauern Window (Eastern Alps, Austria). EGU2012-5259, Vienna, Austria.

6. **Scharf, A.**, Favaro, S., Handy, M.R. & Schmid, S.M. (2011) Did Adriatic indentation or Carpathian roll-back subduction trigger rapid exhumation and lateral escape in the Eastern Alps? AGU 2011-T53D-06, San Francisco, U.S.A.
5. **Scharf, A.**, Favaro, S., Handy, M.R. & Schmid, S.M. (2011) Exhumation-related structures at the eastern margin of the Tauern Window (Eastern Alps). GSA 2011-27-6, Munich, Germany.
4. **Scharf, A.**, Favaro, S., Handy, M.R. & Schmid, S.M. (2011) Exhumation-Related Structures at the Eastern Margin of the Tauern Window (Eastern Alps, Austria). 10th Alpine workshop “CorseAlp 2011”, San Florant, Corse.
3. **Scharf, A.**, Schmid, S.M. & Handy, M.R. (2010) Coeval folding, Extension and strike-slip faulting at the eastern end of an axial culmination in the Tauern Window (Eastern Alps). EGU 2010-8095, Vienna, Austria.
2. **Scharf, A.**, Handy, M.R., Hammerschmidt, K., Rosenberg, C.L. & Oberhänsli, R. (2009) Kinematics, Conditions and Timing of the Katschberg Normal Fault at the eastern end of the Tauern Window (Austria). 9th Alpine workshop “AlpShop 2009”, Cogne, Italy.
1. **Scharf, A.**, Altenberger, U., Harlov, D., Wilke, M., Oberhänsli, R. & Johansson, L. (2008) Cpx-rich dehydration zones in the Sveco-Norwegian of Sweden. DMG 2008-547, Tübingen, Germany.

Field guides:

1. Handy, M.R., Favaro, S., **Scharf, A.** (2013) Field guide to the 11th Alpine workshop in Schladming (Austria) to the eastern Tauern Window. Day 2. Berichte der Geologischen Bundesanstalt, Wien, 99 (ISSN 1017-8880) – 11th Workshop on Alpine Geological Studies.