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Franz Neubauer - List of Publications

A. Papers in International, Peer-Reviewed Journals and Books (note also section D, which contains a number of often cited but not fully reviewed publications of the early stage of the career):

2014:

- Bartel, E.M., **Neubauer, F.**, Heberer, B., Genser, J., 2014. A low-temperature ductile shear zone: The gypsum-dominated western extension of the brittle Fella-Sava Fault, Southern Alps. *Journal of Structural Geology*.
- Grba, N., **Neubauer, F.**, Šajnović, K. Stojanović, K. Jovančićević, B., 2014. Heavy metals in Neogene sedimentary rocks as a potential geogenic hazard for sediment, soil, surface and groundwater contamination (eastern Posavina and Lopare Basin, Bosnia and Herzegovina). *Journal of the Serbian Chemical Society*, 16 p., doi: 10.2298/JSC140317047G.
- Han, G., Liu, Y., **Neubauer, F.**, Bartel, E., Genser, J., Feng, Z., Zhang, L., Yang, M., 2014. U-Pb age and Hf isotopic data of detrital zircons from the Devonian and Carboniferous sandstones in Yimin area, NE China: New evidences to the collision timing between the Xing'an and Erguna blocks in, eastern segment of Central Asian Orogenic Belt. *Journal of Asian Earth Sciences*, DOI: 10.1016/j.jseaes.2014.08.006.
- Wagreich, M., **Neubauer, F.**, 2014. The geological thinking of Eduard Suess (1831 – 1914) between basic research and application: an introduction. *Austrian Journal of Earth Sciences*, 107/1, 4-5.
- Neubauer, F.**, 2014. The structure of the Eastern Alps: from Eduard Suess to present-day knowledge. *Austrian Journal of Earth Sciences*, 107/1, 83–93.
- Neubauer, F.**, 2014. Gondwana-Land goes Europe. *Austrian Journal of Earth Sciences*, 107/1, 147–155.
- Liang, C., Liu, Y., **Neubauer, F.**, Jin, W., Zeng, Z., Genser, J., Li, W., Li, W., Han, G., Wen, Q., Zhao, Y., Cai, L., 2014. Structural characteristics and LA-ICP-MS U-Pb zircon geochronology of the deformed granitic rocks from the Mesozoic Xingcheng-Taili ductile shear zone in the North China craton. *Tectonophysics*, DOI: 10.1016/j.tecto.2014.05.010.
- Yilmaz, Ş., Aysal, N., Gungör, Y., Peytcheva, I., **Neubauer, F.**, 2013. Geochemistry and U-Pb Zircon Geochronology of Metagranites in Istranca Zone, NW Pontides, Turkey: Implications for the Geodynamic Evolution of Cadomian Orogeny. *Gondwana Research*, 26, 755–771, doi.org/10.1016/j.gr.2013.07.011.
- Heberer, B., Anzenbacher, T., **Neubauer, F.**, Genser, J., Dong, Y., Dunkl, I., 2014. Polyphase exhumation in the Western Qinling Mountains, China: Rapid Early Cretaceous cooling along a lithospheric-scale tear fault and pulsed Cenozoic uplift. *Tectonophysics*, 617, 31–43.
- Borojević Šoštarić, S., Palinkaš, A.L., **Neubauer, F.**, Cvetković, V., Bernroider, M., Genser, J., 2014. The origin and age of the metamorphic sole from the Rogozna Mts., Western Vardar Belt: New support for the one-ocean model for the Balkan ophiolites. *Lithos*, 192–195, 39–55, doi:10.1016/j.lithos.2014.01.011.
- Hubmann, B., Ebner, F., Ferretti, A., Kido, E., Krainer, K., **Neubauer, F.**, Schönlaub, H.P., Suttner, T.J., 2014. The Paleozoic Era(them). *Abhandlungen der Geologischen Bundesanstalt*, 66 (Sec. Ed.), 9–135.
- Honarmand, M., Omran, N. R., **Neubauer, F.**, Emami, M. H., Nabatian, G., Liu, X., Dong, Y., von Quadt, A., Chen, B., 2013. Laser ICP-MS U-Pb zircon ages, geochemical and Sr-Nd-Pb isotopic compositions of the Niyasar plutonic complex, Iran: Constraints on petrogenesis and tectonic evolution. *International Geology Review*, 56, 104–132, DOI:10.1080/00206814.2013.820375.
- Han, G.C., Liu, Y.J., **Neubauer, F.**, Genser, J., Liang, C.Y., Wen, Q.B., Zhao, Y.L., 2014. Chronology of L-type tectonite from Nierji area in northern-middle segment of the western boundary fault of the Songliao Basin and its tectonic implications. *Acta Petrologica Sinica*, 30, (7), 1922-1934. (In Chinese with English abstract).
- Leitner, C., **Neubauer, F.**, Genser, J., Borojević-Šoštarić, B., Rantitsch, G. (2013): $^{40}\text{Ar}/^{39}\text{Ar}$ ages of crystallisation and recrystallisation of rock-forming polyhalite in Alpine rocksalt deposit. In: Jourdan, F., Mark, D. F. & Verati, C. (eds.) 2013. *Advances in $^{40}\text{Ar}/^{39}\text{Ar}$ Dating from Archaeology to Planetary Sciences*. Geological Society, London, Special Publications, 378, 207–224, dx.doi.org/10.1144/SP378.5.

- Nabatian, G., Ghaderi, M., **Neubauer, F.**, Honarmand, M., Liu, X., Dong, Y., Jiang, Y., von Quadt, A., Bernroider, M., 2014. Petrogenesis of Tarom high-potassic granitoids in the Alborz-Azarbaijan belt, Iran: Geochemical, U-Pb zircon and Sr–Nd–Pb isotopic constraints. *Lithos*, 184–187, 324–345, doi: 10.1016/j.lithos.2013.11.002.
- Schorn, A., **Neubauer, F.**, 2014. The structure of the Hallstatt evaporite body (Northern Calcareous Alps, Austria): a compressive diapir superposed by strike-slip shear? *Journal of Structural Geology*, 60, 70–84, <http://dx.doi.org/10.1016/j.jsg.2013.12.008>.
- Nabatian, G., Ghaderi, M., Corfu, F., **Neubauer, F.**, Bernroider, M., Prokofiev, V., Honarmand, M., 2014. Geology, alteration, age and origin of iron oxide-apatite deposits in Upper Eocene quartz monzonite, Zanjan district, NW Iran. *Mineralium Deposita*, 49, 217–234, DOI:10.1007/s00126-013-0484-1.
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- Cao, S., **Neubauer, F.**, Bernroider, M., Liu, J., Genser, J., 2013. Structures, microfabrics and textures of the Cordilleran-type Rechnitz metamorphic core complex, Eastern Alps. *Tectonophysics*, 608, 1201–1225, doi.org/10.1016/j.tecto.2013.06.025.
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- Dong, Y., Liu, X., **Neubauer, F.**, Zhang, G. Tao, N., Zhang, Y., Zhang, X., Li, W., 2013. Timing of Paleozoic amalgamation between the North China and South China Blocks: Evidence from detrital zircon U-Pb ages. *Tectonophysics*, 586, 173–191, doi: 10.1016/j.tecto.2012.11.018.
- Leitner, C., **Neubauer, F.**, Marschallinger, R., Genser, J., Bernroider, M., 2013: Origin of deformed halite hopper crystals, pseudomorphic anhydrite cubes and polyhalite in Alpine evaporites (Austria, Germany). *International Journal of Earth Sciences*, 102, 813–829.
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- Schorn, A., **Neubauer, F.**, Bernroider, M., 2013. Polyhalite microfabrics in an Alpine evaporite mélange: Hallstatt, Eastern Alps. *Journal of Structural Geology*, 46, 57–75.
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- Blaschke T., Strobl J., Schrott L., Marschallinger R., **Neubauer F.**, Koch A., Beinat E., Heistracher, T., Reich S., Leitner, M., Donert, K., 2012. Geographic Information Science as a common cause for interdisciplinary research. In: Gensel, J., Josselin, D., Vandenbroucke, D. Bridging the Geographic Information Sciences. Springer Lecture Notes in Geoinformation and Cartography, Berlin, Heidelberg 411-427.
- Borojević Šostarić, S., **Neubauer, F.**, 2012. Principle rock types for radioactive waste repositories. Rudarsko-geološko-naftni Zbornik, 24, 11–18.
- Borojević Šostarić, S. **Neubauer, F.**, Handler, R., Palinkaš, L. A., 2012. Variscan vs. Alpine tectonothermal events in NW-Dinarides: constraints from $^{40}\text{Ar}/^{39}\text{Ar}$ dating. *Geologica Carpathica*, 63, 441–452.
- Borojević Šostarić, S., Cvetković, V., **Neubauer, F.**, Palinkaš, L.A., Bernroider, M., Genser, J., 2012. Oligocene shoshonitic rocks of the Rogozna Mts. (Central Balkan Peninsula): evidence of petrogenetic links to the formation of Pb-Zn-Ag ore deposits. *Lithos*, 148, 176–195.
- Cao, S., Liu, J., Leiss, B., Vollbrecht, A., Genser, J., **Neubauer, F.**, Zhao, C., 2012. Initiation of left-lateral deformation along the Ailao Shan-Red River shear zone: new microstructural, textural and geochronological constraints from the Diancang Shan metamorphic massif, SW Yunnan, China. *International Geology Review*, 54/3, 348–367. DOI: 10.1080/00206814.2010.543789.
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- Han, G., Liu, Y., **Neubauer, F.**, Jin, W., Genser, J., Ren, S., Li, W., Wen, Q., Zhao, W., Liang, C., 2012. LA-ICP-MS U-Pb dating and Hf isotopic compositions of detrital zircons from the Permian sandstones in Da Xing'an Mountains, NE China: New evidence for the eastern extension of the Erenhot-Hegenshan suture zone. *Journal of Asian Earth Sciences*, 49, 249–271.
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- Keil, M., **Neubauer, F.**, 2012. Evolution of an Alpine over-deepened valley (Upper Enns Valley, Austria) within the context of geomorphic and tectonic expressions. *Zeitschrift für Geomorphologie*. 56, 331–349, doi.org/10.1127/0372-8854/2012/0074.

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