

## Publication List

- Coltat R., Andreani M., Patten, C.G.C., Godard M., Debret B., Escartin J. (2023) Origin of Fe-Ca-Metasomatism in Exhumed Mantle Rocks at the MARK Area (23° N, ODP Leg 153) and Implications on the Formation of Ultramafic-Hosted Seafloor Massive Sulfide Deposits. *Geochemistry, Geophys. Geosystems* 24, e2023GC010894.  
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- Peng E.E., Kolb J., Walter B.F., Frenzel M., Patten C.G.C., Xu D., ... & Wang Z. (2023) New Insights on the formation of the Jingchong Cu-Co-Pb-Zn deposit, South China: Evidence from sphalerite mineralogy and muscovite <sup>40</sup>Ar-<sup>39</sup>Ar dating. *Ore Geol. Rev.* 105667.  
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- Patten C.G.C., Beranoaguirre A., Hector S., Gudelius D., Kolb J., Eiche E (2023) Improved whole rock low detection limit gold analysis by LA-ICP-MS utilizing pressed-powder-pellets. *Int. J. Mass Spectrom.* 488, 117039.  
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- Hector S., Patten C.G.C., Kolb J., de Araujo Silva A., Walter B.F., Molnár F. (2023) Orogenic Au deposits with atypical metal association (Cu, Co, Ni): insights from the Pohjanmaa Belt, western Finland. *Ore Geol. Rev.* 105326.  
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<https://doi.org/10.1016/j.jafrearsci.2022.104579>
- Patten C.G.C., Coltat R., Junge M., Peillod A., Ulrich M., Manatschal G., Kolb J. (2022) Ultramafic-hosted volcanogenic massive sulfide deposits: an overlooked sub-class of VMS deposit forming in complex tectonic environments. *Earth Science Reviews*, v. 224, 103891.  
<https://doi.org/10.1016/j.earscirev.2021.103891>
- Peillod A., Majka J., Ring U., Drüppel K., Patten C.G.C., Karlsson A., Włodek A., Tehler, E. (2021) Differences in decompression of a high-pressure unit: A case study from the Cycladic Blueschist Unit on Naxos Island, Greece. *Lithos*, v. 386, p.106043  
<https://doi.org/10.1016/j.lithos.2021.106043>
- Patten C.G.C., Pitcairn I.K., Molnár F., Kolb J., Beaudoin G., Guilmette C., Peillod A. (2020) Gold mobilization during metamorphic devolatilization of Archean and Paleoproterozoic metavolcanic rocks. *Geology*, v. 48  
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- Liu Y., Wang Z., Xue D., Cheng H., Patten C.G.C., Wan B. (2020) An Improved Analytical Protocol for the Determination of Sub-nanogram Gold in 1–2 g Rock Samples Using GFAAS After Polyurethane Foam Pretreatment. *Atomic Spectrometry*, v. 41(3), p. 131-140  
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