
LIST OF PUBLICATIONS

H-Index: 9

- Kaffas, K., Murgia, I., Menapace, A., **Macchioli Grande, M.**, Verdone, M., Dani, A., Manca di Villahermosa, F.S., Preti, F., Segura, C., C., Massari, C., Klaus, J., Borga, M., Penna, D. (2025). Controls on preferential flow and its role on streamflow generation in a Mediterranean forested catchment. *Journal of Hydrology*. <https://doi.org/10.1016/j.jhydrol.2025.133469>
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- Macchioli Grande, M.**, Kaffas, K., Verdone, M., Borga, M., Cocozza, C., Dani, A., Errico, A., Fabiani, G., Gourdol, L., Klaus, J., Manca di Villahermosa, F., Massari, C., Murgia, I., Pfister, L., Preti, F., Tailliez, C., Trucchi, P., Zuecco, G., Penna, D. (2024). Seasonal meteorological forcing controls runoff generation in a Mediterranean forested mountain catchment. *Journal of Hydrology*, 131642, doi: 10.1016/j.jhydrol.2024.131642
- Gonzalez-Cariqueo, J., Pfeiffer, M., Peña, M., **Macchioli Grande, M.**, Pérez-Fodich, A. (2024). Strontium Isotopic Composition of the Mesozoic Sedimentary Formations of the Southern Central Andes (33°–34°S) and its Paleogeographic Implications. *Journal of South American Earth Sciences*, 142, 104984, doi: 10.1016/j.jsames.2024.104984
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- Rocher, S., Alasino, P.H., Larrovere, M.A., **Macchioli Grande, M.**, Dahlquist, J.A., Moreno, J.A., Morales Cámara, M.M. (2021). Sheeted intrusion of granitic magmas in arc settings and formation of upper crustal magmatic systems: the Guandacolinós pluton, NW Argentina. *Tectonophysics*, 816, 229034. doi: 10.1016/j.tecto.2021.229034.
- Odino-Barreto, A.L., Gómez-Peral, L., Richiano, S., **Macchioli Grande, M.**, Borya, A., Poiré, D.G., Bahniuk, A.M., Cury, L.F. (2021). Geochemical and mineralogical evidence of an offset in the Andean arc recorded in the Upper Cretaceous marine deposits of the Austral-Magallanes basin, Argentina. *Journal of South American Earth Sciences*, 111, 103426, doi: 10.1016/j.jsames.2021.103426.

- Dahlquist, J.A., Galindo, C., Morales Cámara, M.M., Moreno, J.A., Alasino, P.H., Basei, M.A.S., **Macchioli Grande, M.** (2020). A combined zircon Hf isotope and whole-rock Nd and Sr isotopes study of Carboniferous A-type granites, Sierras Pampeanas of Argentina. *Journal of South American Earth Sciences*, 100, 102545, doi: 10.1016/j.jsames.2020.102545.
- Dahlquist, J.A., **Macchioli Grande, M.**, Alasino, P.H., Basei, M.A.S., Galindo, C., Moreno, J.A., Morales Cámara, M.M. (2019). New geochronological and isotope data for the Las Chacras-Potrerrillos and Renca batholiths: a contribution for the Middle-Upper Devonian magmatism in the pre-Andean foreland (Sierras Pampeanas, Argentina), SW Gondwana. *Journal of South American Earth Sciences*, 93, 348-363, doi: 10.1016/j.jsames.2019.04.026.
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- Dahlquist, J.A., Alasino, P.H., Basei, M.A.S., Morales Cámara, M.M., **Macchioli Grande, M.**, da Costa Campos Neto, M., García Larrecharte, M. (2018). Recurrent intrusive episodes in the Paleozoic metasedimentary upper crust during the Early Carboniferous time: The Veladero granitoid stock and the peraluminous andesite. *Journal of South American Earth Sciences*, 88, 80-93, doi: 10.1016/j.jsames.2018.08.011.
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- Rocher, S., Alasino, P.H., **Macchioli Grande, M.**, Larrovere, M.A., Paterson, S.R. (2018). K-feldspar megacryst accumulations formed by mechanical instabilities in magma chamber margins, Asha pluton, NW Argentina. *Journal of Structural Geology*, 112, 154–173, doi: 10.1016/j.jsg.2018.04.017.
- Alasino, P.H., Larrovere, M.A., Rocher, S., Dahlquist, J.A., Basei, M.A.S., Memeti, V., Paterson, S.R., Galindo, C., **Macchioli Grande, M.**, da Costa Campos Neto, M. (2017). Incremental growth of an upper crustal pluton, Sierra de Velasco: evidence of a re-used magma pathway. *Lithos*, 284-285, 347-366, doi: 10.1016/j.lithos.2017.04.013.
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NON INDEXED PUBLICATIONS

Macchioli Grande, M., Kaffas, K., Verdone, M., Borga, M., Coccozza, C., Dani, A., Errico, A., Fabiani, G., Gourdol, L., Klaus, J., Manca di Villahermosa, F., Massari, C., Murgia, I., Pfister, L., Preti, F., Tailliez, C., Trucchi, P., Zuecco, G., Penna, D. (2024). Generazione di deflusso superficiale e sottosuperficiale in un piccolo bacino appenninico. Quaderni di idronomia Montana, 37(2), 277-284 (en italiano).

MANUSCRIPTS UNDER REVIEW, IN PREP

Macchioli Grande, M., Uran, G., Larrovere, M., Echegoyen, C., Poca, M. Streamflow spatio-temporal variability of water stable isotopes and hydrochemical properties in a semiarid mountain catchment in northwestern Argentina. Under review in Journal of South American Earth Sciences.

Kaffas, K., Murgia, I., Menapace, A., **Macchioli Grande, M.**, Verdone, M., Dani, A., Manca di Villahermosa, F.S., Preti, F., Segura, C., C., Massari, C., Klaus, J., Borga, M., Penna, D. Controls on preferential flow and its role on streamflow generation in a Mediterranean forested catchment. En revision en Journal of Hydrology.

Macchioli Grande, M., Soto Maas, A., Pfeiffer, M., Covarrubias, J.I., Peña, a., Pérez-Fodich, A. Solute generation and transport in semiarid mountain catchments of the Central Chilean Andes. Enviado a Journal of Geochemical Exploration.