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Tarolli is author, since year of PhD (2006), of more than 90 papers (2 invited review articles, 6 special issue editorials) published and in press in international peer reviewed journals with the following publication metrics: Google Scholar (**h-index 36**, total citations 3600), SCOPUS (**h-index 32**, total citations 2735). He is also author of 1 movie review and 3 book reviews in international peer-reviewed ISI journals, 9 papers in national magazines, 2 chapters in Encyclopaedia, 12 papers in books, 20 papers in conference Proceedings, and 145 presentations (3 invited keynote talks, 4 invited talks) at national/international meetings (41 orals and 104 posters). He edited two books (one for Springer and one for Elsevier).

## PUBLICATIONS

\*corresponding author

### *Under review or in preparation*

1. **Tarolli, P.**, Sofia, G. Potential responses to sediment dynamics in terraced agricultural landscapes: high-resolution topography to support rural development planning.
2. Cao, W., Sofia, G., **Tarolli, P.** Geomorphometric characterization of natural and anthropogenic land cover.

### *Peer-reviewed Journals*

#### 2019

1. Mauri, L., Sallustio, L., **Tarolli\***, P. (2019). The geomorphologic forcing of wild boars. *Earth Surface Processes and Landforms*, doi:10.1002/esp.4623.
2. Yang\*, X., Lu, X., Park, E., **Tarolli, P.** (2019). Impacts of Climate Change on Lake Fluctuations in the Hindu Kush-Himalaya-Tibetan Plateau. *Remote Sensing*, 11, 1082, doi:10.3390/rs11091082.
3. Roder\*, G., Hudson, P., **Tarolli, P.** (2019). Flood risk perceptions and the willingness to pay for flood insurance in the Veneto region of Italy. *International Journal of Disaster Risk Reduction*, 37, 101172, doi:10.1016/j.ijdr.2019.101172.
4. Piji\*, A., Tosoni, M., Roder, G., Sofia, G., **Tarolli, P.** (2019). Design of Terrace Drainage Networks Using UAV-Based High-Resolution Topographic Data. *Water*, 11, 814, doi:10.3390/w11040814.
5. **Tarolli\***, P., Cavalli, M., Masin, R., (2019). High-resolution morphologic characterization of conservation agriculture. *Catena*, 172, 846–856, doi:10.1016/j.catena.2018.08.026.
6. **Tarolli\***, P., Cao, W., Sofia, G., Evans, D., Ellis, EC. (2019). From features to fingerprints: a general diagnostic framework for anthropogenic geomorphology. *Progress in Physical Geography*, 43, 95–128, doi:10.1177/0309133318825284.
7. Sofia\*, G., Ragazzi, F., Giandon, P., Dalla Fontana, G., **Tarolli, P.** (2019). On the linkage between runoff generation, land drainage, soil properties, and temporal patterns of precipitation in agricultural floodplains. *Advances in Water Resources*, 124, 120–138, doi:10.1016/j.advwatres.2018.12.003
8. Borsato\*, E., Giubilato, E., Zabeo, A., Lamastra, L., Criscione, P., **Tarolli, P.**, Marinello, F., Pizzol, L. (2019). Comparison of Water-focused Life Cycle Assessment and Water Footprint Assessment: The case of an Italian wine. *Science of the Total Environment*, 666, 1220–1231, doi:10.1016/j.scitotenv.2019.02.331.

9. Piji\*, A., Barneveld, P., Mauri, L., Borsato, E., Grigolato, S., **Tarolli, P.** (2019). Estimating the impact of mechanization on soil loss in vineyards terraced landscapes. *Cuadernos de Investigación Geográfica*, 45, 287–308, doi: 10.18172/cig.3774.
10. Li, M., Wu\*, J., Song, C., He, Y., Niu, B., Fu, G., **Tarolli, P.**, Tietjen, B., Zhang, X. (2019). Temporal Variability of Precipitation and Biomass of Alpine Grasslands on the Northern Tibetan Plateau. *Remote Sensing*, 11, 360, doi:10.3390/rs11030360.
11. Viero\*, D.P., Roder, G., Matticchio, B., Defina, A., **Tarolli, P.** (2019). Floods, landscape modifications and population dynamics in anthropogenic coastal lowlands: The Polesine (northern Italy) case study. *Science of the Total Environment*, 651, 1435–1450, doi:10.1016/j.scitotenv.2018.09.121.

#### 2018

12. **Tarolli\*, P.** (2018). Agricultural Terraces Special Issue Preface. *Land Degradation and Development*, 29, 3544–3548, doi:10.1002/ldr.3129. ([Special Issue Editorial](#))
13. Pawłuszek\*, K., Borkowski, A., **Tarolli, P.** (2018). Sensitivity analysis of automatic landslide mapping: numerical experiments towards the best solution. *Landslides*, 15, 1851–1865, doi: 10.1007/s10346-018-0986-0.
14. Lo Re, G., Fuller\*, I.C., Sofia, G., **Tarolli, P.** (2018). High-resolution mapping of Manawatu palaeochannels. *New Zealand Geographer*, 74, 77–91, doi:10.1111/nzg.12186.
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18. Xiang, J., Chen\*, J., Sofia, G., Tian, Y., **Tarolli, P.** (2018). Open-pit mine geomorphic changes analysis using multi-temporal UAV survey. *Environmental Earth Sciences*, 77, 220, doi:10.1007/s12665-018-7383-9.
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## CONFERENCE PRESENTATIONS

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### Oral

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