

**Andrea RINALDO**

**Bibliografia** (*excerpta 2014-2019*)

## LIBRI

RINALDO, A., M. Gatto, I. Rodriguez-Iturbe, *River networks as ecological corridors. Species, populations, pathogens.* Cambridge University Press, in press, 2109

## JOURNAL PAPERS<sup>1</sup>

### 2019 (GENNAIO-LUGLIO)

1. Zaoli, S., A. Giometto, J. Giezendanner, A. Maritan, A. RINALDO, On the probabilistic nature of the species-area relation in ecology, *Journal of Theoretical Biology*, 462, 391-407, 2019
2. Lemaitre, J.F., D. Pasetto, J. Perez-Saez, C. Sciarra, J.F. Wamala, A. RINALDO, Rainfall as a driver of epidemic cholera: comparative model assessment of the effect of intra-seasonal precipitation events, *Acta Tropica*, 190, 235-243, 2019
3. Muneeppeerakul, R., E. Bertuzzo, A. RINALDO, I. Rodriguez-Iturbe, Evolving biodiversity patterns in changing river networks, *Journal of Theoretical Biology*, 462, 418-424, 2019
4. Benettin, P., P. Quelo, M. Bensimon, J.J. McDonnell, A. RINALDO, Velocities, residence times, tracer breakthroughs in a vegetated lysimeter: a multi-tracer experiment, *Water Resources Research*, 55, 21-33, 2019
5. Giezendanner, J., E. Bertuzzo, D. Pasetto, A. Guisan, A. RINALDO, A minimalist model of extinction and range dynamics of virtual mountain species driven by warming temperatures, *PLoS ONE*, 14(3), e0213775, 2019
6. Mari, L., R. Casagrandi, E. Bertuzzo, A. RINALDO, M. Gatto, Conditions for transient epidemics of waterborne disease in spatially explicit systems, *Royal Society Open Science*, 6(5), 181517, 2019
7. Santos, A.C., M.M. Portela, A. RINALDO, B. Schaeffli, Estimation of streamflow recession parameters: New insight from an analytic streamflow distribution model, *Hydrological Processes*, 33(11), 1595-1609, 2019
8. Hoover, C.M., S. Sokolow, J. Kemp, A.J. Lund, I.J. Jones, T. Higginson, G. Riveau, A. Savaya, S. Coyle, F. Micheli, R. Casagrandi, L. Mari, M. Gatto, A. RINALDO, J. Perez-Saez, J.R. Rohr, A. Sagi, J.V. Remais, G.A. De Leo, Modelled effect of prawn aquaculture on poverty alleviation and schistosomiasis control, *Nature Sustainability*, 2(7), 611-620, 2019
9. Zaoli, S., A. Giometto, E. Marañon, S. Escrig, A. Meibom, A. Maritan, A. RINALDO, Generalized size-scaling of metabolic rates based on single-cell measurements with freshwater phytoplankton, *Proceedings of the US National Academy of Sciences PNAS*, in press, 2019
10. Magliaro, C., A. RINALDO, A. Ahluwalia, Allometric scaling of physiologically relevant organoids, *Scientific Reports*, in press, 2019

### 2018

1. Carraro, L., L. Mari, M. Gatto, E. Bertuzzo, A. RINALDO, The spread of proliferative kidney disease in fish along stream networks: a spatial metacommunity framework. *Freshwater Biology*, 63(1), 114-127, 2018
2. Finger, F., E. Bertuzzo, F.J. Luquero, N. Naibei, B. Toure, M. Allan, K. Porten, J. Lessler, A. RINALDO, A.S. Azman, The potential impact of case-area targeted interventions in response to cholera outbreaks: A modeling study, *PLOS Medicine*, 2, e1002509, 2018.

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<sup>1</sup> Entries taken from the *Web of Science* and *Google Scholar* on July 30, 2019. Total number of WoS Journal papers: 279 (Google Scholar: [19,220 citations](#), [h-index=82](#), [i10-index=217](#)). Since 2014: 9023 citations, [h-index=53](#), [i10-index=180](#)). Total number of unreported Edited Books, Papers in Proceedings, Book Chapters and Abstracts (AGU, EGU, other): ~320. Author and coauthor of four books and coauthor of 4 edited books.

3. RINALDO, A., M. Gatto, I. Rodriguez-Iturbe, River networks as ecological corridors: a coherent ecohydrological perspective, *Advances in Water Resources*, 112, 27-58, 2018
4. Finotello, A., S. Lanzoni, M. Ghinassi, M. Marani, A. RINALDO, A. D'Alpaos, Field migration rates of tidal meanders recapitulate fluvial morphodynamics, *Proceedings of the US National Academy of Sciences PNAS*, 115(7), 1463-1468, 2018
5. Santos, A.C. M.M. Portela, A. RINALDO, B. Schaeffli, Analytical flow duration curves for summer streamflow in Switzerland, *Hydrology and Earth System Sciences*, 22(4), 2377-2389, 2018
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7. Mari, L., R. Casagrandi, Renato, M. Gatto, Epidemicity thresholds for water-borne and water-related diseases, *Journal of Theoretical Biology*, 447, 126-138, 2018
8. Lemaitre, J.F., D. Pasetto, J. Perez-Saez, C. Sciarra, J.F. Wamala, A. RINALDO, Rainfall as a driver of epidemic cholera: comparative model assessment of the effect of intra-seasonal precipitation events, *Acta Tropica*, 190, 235-243, 2018
9. Pasetto, D., S. Arenas-Castro, J. Bustamante, R. Casagrandi, N. Crysoulakis, A.F. Cord, A. Dittrich, C. Domingo-Marimon, G. El Serafy, A. Karnieli, G.A. Kordelas, I. Manakos, L. Mari, A. Monteiro, E. Palazzi, D. Poursanidis, A. RINALDO, S. Terzago, A. Ziemba, G. Ziv, Integration of satellite remote sensing data in ecosystem modelling at local scales: Practices and trends, *Methods in Ecology and Evolution*, 9(8), 1810-1821, 2018
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11. Cheraghi, M., A. RINALDO, G.C. Sander, P. Perona, D.A. Barry, Catchment drainage scaling laws found experimentally in overland flow morphologies, *Geophysical Research Letters*, 45(18), 9614-9622, 2018
12. Mari, L. R. Casagrandi, A. RINALDO, M. Gatto, Epidemicity thresholds for water-borne and water-related diseases, *Journal of Theoretical Biology*, 447, 126-138, 2018
13. Zaoli, S., A. Giometto, J. Giezendanner, A. Maritan, A. RINALDO, On the probabilistic nature of the species-area relation in ecology, *Journal of Theoretical Biology*, 462, 391-407, 2018
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15. Balister, P., J. Balogh, E. Bertuzzo, B. Bollobas, G. Caldarelli, A. Maritan, R. Mastrandrea, R. Morris, A. RINALDO, River landscapes and optimal channel networks, *Proceedings of the US National Academy of Sciences PNAS*, 115 (26), 6548-6553, 2018

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1. RINALDO, A., E. Bertuzzo, L. Mari, M. Blokesch, M. Gatto, Modeling key drivers of cholera transmission dynamics provides new perspectives on parasitology, *Trends in Parasitology*, 33(8), 587-599, 2017.
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14. Carraro, L., E. Bertuzzo, L. Mari, I. Fontes, H. Hartikainen, N. Strepparava, H. Schmidt-Posthaus, T. Wahli, J. Jokela, M. Gatto, A. RINALDO, Integrated field, laboratory and theoretical study of PKD spread in a Swiss prealpine river, *Proceedings of the US National Academy of Sciences PNAS*, 114(45), 11992-11997, 2017
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1. RINALDO, A., P. Benettin, C.J. Harman, M. Hracowitz, Y. Van der Velde, K.J. McGuire, E. Bertuzzo, G. Botter, Reply to comment on “Storage selection functions: A coherent framework for quantifying how catchments store and release water and solutes”, *Water Resources Research*, 52(1), 616-618, 2016
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