

Andrea Rinaldo

PRINCIPAL PUBLICATIONS¹

Books

Rodriguez-Iturbe, I., A. RINALDO, *Fractal River Networks: Chance and Self-Organization*, Cambridge University Press, New York, 1997

RINALDO, A., *Il governo dell'acqua. Riflessioni su Ambiente naturale e Ambiente costruito*, Marsilio, Venezia, 2009

Edited Books

Biological Models, edited by A. RINALDO and A. Marani, Proceedings of the Summer School on environmental Dynamics, Istituto Veneto di Scienze, Lettere ed Arti, Venezia, 196 pp., 1997

Transport Processes and the Hydrological Cycle, edited by A. Marani and A. RINALDO, Proceedings of the Summer School on environmental Dynamics, Istituto Veneto di Scienze, Lettere ed Arti, Venezia, 391 pp., 1992

Computational Methods in Subsurface Hydrology, edited by G. Gambolati, A. RINALDO, C.A. Brebbia, W.G. Gray, G.F.Pinder, Springer-Verlag, Berlino, 575 pp., 1990

Computational Methods in Surface Hydrology, edited by G. Gambolati, A. RINALDO, C.A. Brebbia, W.G. Gray, G.F. Pinder, Springer-Verlag, Berlin, 556 pp., 1990

¹Excerpta from ISI and Google Scholar archives (June 2009): i) overall more than 3000 citations with h-index=28, ii) max citation under PHYSICAL SCIENCES (*WRR*, 28, 2211, 1992) = 167; iii) max citation under MULTIDISCIPLINARY SCIENCE (*Nature*, 399, 130, 1999) = 218; iv) citations to the 1997 book (according to Google Scholar) = 518.

Papers in Journals

- [132] - Bertuzzo, E., R. Muneeppeerakul, H.J. Lynch, W.F. Fagan, I. Rodriguez-Iturbe and A. RINALDO, On the geographic range of freshwater fish in river basins, *Water Resources Research*, in press, 2009
- [131] - Botter, G., A. Porporato, I. Rodriguez-Iturbe, A. RINALDO, Stochastic nonlinear storage-discharge relations and catchment streamflow regimes, *Water Resources Research*, in press, 2009
- [130] - D'Alpaos, A., S. Lanzoni, M. Marani, A. RINALDO, On the O'Brien - Jarrett - Marchi law, *Rend. Fis. Accademia dei Lincei*, in press, 2009
- [129] - Bertuzzo, E., R. Casagrandi, M. Gatto, I. Rodriguez-Iturbe, A. RINALDO, On Spatially Explicit Models of Cholera Epidemics, *Proceedings of the Royal Society Interface*, in press, 2009
- [128] - Convertino, M., R. Muneeppeerakul, S. Azaele, E. Bertuzzo, A. RINALDO, I. Rodriguez-Iturbe, On neutral metacommunity patterns of river basins at different scales of aggregation, *Water Resources Research*, in press, 2009
- [127] - Azaele, S., R. Muneeppeerakul, A. Maritan, A. RINALDO, I. Rodriguez-Iturbe, Predicting spatial similarity of freshwater fish biodiversity, *Proceedings of the National Academy of Sciences*, 106(17), 7058-7062, 2009
- [126] - Simini, F., A. RINALDO, A. Maritan, Universal scaling of optimal current distributions in transportation networks, *Physical Review E*, 79, 046110, 2009
- [125] - Botter, G., S. Milan, G. Botter, M. Marani, A. RINALDO, Inferences from catchment-scale tracer circulation experiments, *Journal of Hydrology*, 369 (3-4), 368-380, 2009
- [124] - Rodriguez-Iturbe, I., R. Muneeppeerakul, E. Bertuzzo, S.A. Levin, A. RINALDO, River Networks as Ecological Corridors: a Complex Systems Perspective for Integrating Hydrologic, Geomorphologic and Ecologic Dynamics, *Water Resources Research*, VOL. 45, W01413, 2009
- [123] - RINALDO, A., L. Nicótina, E. Alessi Celegon, F. Beraldin, G. Botter, L. Carniello, G. Cecconi, A. Defina, T. Settin, A. Uccelli, L. D'Alpaos, M. Marani, Sea Level Rise, Hydrologic Runoff and the Flooding of Venice, *Water Resources Research*, 44, W12434, 2008
- [122] - Nicotina, L., E. Alessi Celegon, A. RINALDO, M. Marani, On the impact of rainfall patterns on the hydrologic response, *Water Resources Research*, 44, W12401, 2008
- [121] - Botter, G., S. Zanardo, A. Porporato, I. Rodriguez-Iturbe, A. RINALDO, Eco-hydrological model of flow duration curves and annual minima, *Water Resources Research*, 44, W08418, 2008

- [120] - Muneeppeerakul, C.P., F. Miralles-Wilhelm, S. Tamea, A. RINALDO, I. Rodriguez-Iturbe, Coupled hydrologic and vegetation dynamics in wetland ecosystems, *Water Resources Research*, 44(7), W07421, 2008
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- [118] - Botter, G., R. Peratoner, M. Putti, A. Zuliani, R. Zonta, M. Marani, A. RINALDO, Observation and modelling of catchment scale solute transport in the hydrologic response: a tracer study, *Water Resources Research*, 44, W05409, 2008
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