Francesco Serinaldi

List of Publications by Year
in descending order

57	4,168	125106	175968
papers	citations	35 h-index	55 g-index

58	58	58	3562
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sailing synthetic seas: Stochastic simulation of benchmark sea state time series. Coastal Engineering, 2022, 176, 104164.	1.7	0
2	Closure to â€œProbability Distribution of Waiting Time of the kth Extreme Event under Serial Dependenceâ€•by Francesco Serinaldi and Federico Lombardo. Journal of Hydrologic Engineering - ASCE, 2021, 26, 07021002.	0.8	0
3	Advancing Spaceâ€Time Simulation of Random Fields: From Storms to Cyclones and Beyond. Water Resources Research, 2021, 57, e2020WR029466.	1.7	16
4	Random Fields Simplified: Preserving Marginal Distributions, Correlations, and Intermittency, With Applications From Rainfall to Humidity. Water Resources Research, 2020, 56, e2019WR026331.	1.7	38
5	All in order: Distribution of serially correlated order statistics with applications to hydrological extremes. Advances in Water Resources, 2020, 144, 103686.	1.7	22
6	Probability Distribution of Waiting Time of the kth Extreme Event under Serial Dependence. Journal of Hydrologic Engineering - ASCE, 2020, 25, .	0.8	3
7	Dissecting innovative trend analysis. Stochastic Environmental Research and Risk Assessment, 2020, 34, 733-754.	1.9	41
8	Untenable nonstationarity: An assessment of the fitness for purpose of trend tests in hydrology. Advances in Water Resources, 2018, 111, 132-155.	1.7	129
9	Early laparoscopic adhesiolysis for small bowel obstruction: retrospective study of main advantages. Surgical Endoscopy and Other Interventional Techniques, 2018, 32, 2781-2792.	1.3	8
10	Unsurprising Surprises: The Frequency of Recordâ€breaking and Overthreshold Hydrological Extremes Under Spatial and Temporal Dependence. Water Resources Research, 2018, 54, 6460-6487.	1.7	26
11	Flood propagation and duration in large river basins: a data-driven analysis for reinsurance purposes. Natural Hazards, 2018, 94, 71-92.	1.6	25
12	General simulation algorithm for autocorrelated binary processes. Physical Review E, 2017, 95, 023312.	0.8	13
13	A theoretically consistent stochastic cascade for temporal disaggregation of intermittent rainfall. Water Resources Research, 2017, 53, 4586-4605.	1.7	44
14	A Blueprint for Full Collective Flood Risk Estimation: Demonstration for European River Flooding. Risk Analysis, 2017, 37, 1958-1976.	1.5	34
15	BetaBit: A fast generator of autocorrelated binary processes for geophysical research. Europhysics Letters, 2017, 118, 30007.	0.7	11
16	Understanding Persistence to Avoid Underestimation of Collective Flood Risk. Water (Switzerland), 2016, 8, 152.	1.2	27
17	Irreversibility and complex network behavior of stream flow fluctuations. Physica A: Statistical Mechanics and Its Applications, 2016, 450, 585-600.	1.2	46
18	Can we tell more than we can know? The limits of bivariate drought analyses in the United States. Stochastic Environmental Research and Risk Assessment, 2016, 30, 1691-1704.	1.9	58

#	Article	IF	Citations
19	The importance of prewhitening in change point analysis under persistence. Stochastic Environmental Research and Risk Assessment, 2016, 30, 763-777.	1.9	83
20	Stationarity is undead: Uncertainty dominates the distribution of extremes. Advances in Water Resources, 2015, 77, 17-36.	1.7	315
21	Dismissing return periods!. Stochastic Environmental Research and Risk Assessment, 2015, 29, 1179-1189.	1.9	193
22	Upper tail dependence in rainfall extremes: would we know it if we saw it?. Stochastic Environmental Research and Risk Assessment, 2015, 29, 1211-1233.	1.9	46
23	Spatial and temporal modeling of radar rainfall uncertainties. Atmospheric Research, 2014, 135-136, 91-101.	1.8	47
24	Complexityâ€“entropy analysis of daily stream flow time series in the continental United States. Stochastic Environmental Research and Risk Assessment, 2014, 28, 1685-1708.	1.9	55
25	Simulating daily rainfall fields over large areas for collective risk estimation. Journal of Hydrology, 2014, 512, 285-302.	2.3	53
26	Analysis of time variation of rainfall in transnational basins in Iberia: abrupt changes or trends?. International Journal of Climatology, 2014, 34, 114-133.	1.5	55
27	Rainfall extremes: Toward reconciliation after the battle of distributions. Water Resources Research, 2014, 50, 336-352.	1.7	126
28	On the relationship between the index of dispersion and Allan factor and their power for testing the Poisson assumption. Stochastic Environmental Research and Risk Assessment, 2013, 27, 1773-1782.	1.9	8
29	An uncertain journey around the tails of multivariate hydrological distributions. Water Resources Research, 2013, 49, 6527-6547.	1.7	66
30	On the sampling distribution of Allan factor estimator for a homogeneous Poisson process and its use to test inhomogeneities at multiple scales. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 1080-1089.	1.2	11
31	Closure to â€œSynthetic Design Hydrographs Based on Distribution Functions with Finite Supportâ€• by Francesco Serinaldi and Salvatore Grimaldi. Journal of Hydrologic Engineering - ASCE, 2013, 18, 126-129.	0.8	3
32	The intrinsic dependence structure of peak, volume, duration, and average intensity of hyetographs and hydrographs. Water Resources Research, 2013, 49, 3423-3442.	1.7	32
33	Testing copula regression against benchmark models for point and interval estimation of tree wood volume in beech stands. European Journal of Forest Research, 2012, 131, 1313-1326.	1.1	14
34	A continuous simulation model for design-hydrograph estimation in small and ungauged watersheds. Hydrological Sciences Journal, 2012, 57, 1035-1051.	1.2	53
35	A modular class of multisite monthly rainfall generators for water resource management and impact studies. Journal of Hydrology, 2012, 464-465, 528-540.	2.3	32
36	Design hydrograph estimation in small and ungauged watersheds: continuous simulation method versus eventâ€based approach. Hydrological Processes, 2012, 26, 3124-3134.	1.1	61

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37	Development of statistical models for atâ€site probabilistic seasonal rainfall forecast. International Journal of Climatology, 2012, 32, 2197-2212.	1.5	27
38	Analytical confidence intervals for index flow flow duration curves. Water Resources Research, 2011, 47, .	1.7	14
39	Analyses of seasonal and annual maximum daily discharge records for central Europe. Journal of Hydrology, 2011, 399, 299-312.	2.3	120
40	Impact of EMD decomposition and random initialisation of weights in ANN hindcasting of daily stream flow series: An empirical examination. Journal of Hydrology, 2011, 406, 199-214.	2.3	90
41	Distributional modeling and short-term forecasting of electricity prices by Generalized Additive Models for Location, Scale and Shape. Energy Economics, 2011, 33, 1216-1226.	5.6	60
42	Characterizing impulsive wave-in-deck loads on coastal bridges by probabilistic models of impact maxima and rise times. Coastal Engineering, 2011, 58, 908-926.	1.7	20
43	Synthetic Design Hydrographs Based on Distribution Functions with Finite Support. Journal of Hydrologic Engineering - ASCE, 2011, 16, 434-446.	0.8	60
44	Use and misuse of some Hurst parameter estimators applied to stationary and non-stationary financial time series. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 2770-2781.	1.2	102
45	Multifractality, imperfect scaling and hydrological properties of rainfall time series simulated by continuous universal multifractal and discrete random cascade models. Nonlinear Processes in Geophysics, 2010, 17, 697-714.	0.6	67
46	Assessing the applicability of fractional order statistics for computing confidence intervals for extreme quantiles. Journal of Hydrology, 2009, 376, 528-541.	2.3	42
47	Copula-based mixed models for bivariate rainfall data: an empirical study in regression perspective. Stochastic Environmental Research and Risk Assessment, 2009, 23, 677-693.	1.9	45
48	Flood frequency analysis for nonstationary annual peak records in an urban drainage basin. Advances in Water Resources, 2009, 32, 1255-1266.	1.7	359
49	Probabilistic characterization of drought properties through copulas. Physics and Chemistry of the Earth, 2009, 34, 596-605.	1.2	185
50	A multisite daily rainfall generator driven by bivariate copulaâ€based mixed distributions. Journal of Geophysical Research, 2009, 114, .	3.3	77
51	On the stationarity of annual flood peaks in the continental United States during the 20th century. Water Resources Research, 2009, 45, .	1.7	376
52	Modeling radar-rainfall estimation uncertainties using parametric and non-parametric approaches. Advances in Water Resources, 2008, 31, 1674-1686.	1.7	77
53	Analysis of inter-gauge dependence by Kendallâ€™s Ï„K, upper tail dependence coefficient, and 2-copulas with application to rainfall fields. Stochastic Environmental Research and Risk Assessment, 2008, 22, 671-688.	1.9	74
54	Fully Nested 3-Copula: Procedure and Application on Hydrological Data. Journal of Hydrologic Engineering - ASCE, 2007, 12, 420-430.	0.8	104

#	ARTICLE	IF	CITATIONS
55	Design hyetograph analysis with 3-copula function. Hydrological Sciences Journal, 2006, 51, 223-238.	1.2	131
56	Asymmetric copula in multivariate flood frequency analysis. Advances in Water Resources, 2006, 29, 1155-1167.	1.7	341
57	Testing tests before testing data: an untold tale of compound events and binary dependence. Stochastic Environmental Research and Risk Assessment, 0, , 1.	1.9	1