Athanasios Paschalis

List of Publications by Year
in descending order

29	1,349	430874 18	501196 28
papers	citations	h-index	g-index

31	31	31	1975
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the effects of small scale spaceâ€“time variability of rainfall on basin flood response. Journal of Hydrology, 2014, 514, 313-327.	5.4	120
2	A stochastic model for high-resolution space-time precipitation simulation. Water Resources Research, 2013, 49, 8400-8417.	4.2	114
3	Partitioning direct and indirect effects reveals the response of water-limited ecosystems to elevated CO ₂. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12757-12762.	7.1	102
4	An advanced stochastic weather generator for simulating 2â€Ð highâ€resolution climate variables. Journal of Advances in Modeling Earth Systems, 2017, 9, 1595-1627.	3.8	101
5	Uncertainty partition challenges the predictability of vital details of climate change. Earth's Future, 2016, 4, 240-251.	6.3	98
6	Spatial variability of extreme rainfall at radar subpixel scale. Journal of Hydrology, 2018, 556, 922-933.	5.4	81
7	Seasonality, Intensity, and Duration of Rainfall Extremes Change in a Warmer Climate. Earth's Future, 2021, 9, e2020EF001824.	6.3	71
8	Persistence and memory timescales in rootâ€zone soil moisture dynamics. Water Resources Research, 2016, 52, 1427-1445.	4.2	62
9	Abiotic and biotic controls of soil moisture spatiotemporal variability and the occurrence of hysteresis. Water Resources Research, 2015, 51, 3505-3524.	4.2	56
10	Asymmetric responses of primary productivity to altered precipitation simulated by ecosystem models across three long-term grassland sites. Biogeosciences, 2018, 15, 3421-3437.	3.3	55
11	Rainfall manipulation experiments as simulated by terrestrial biosphere models: Where do we stand?. Global Change Biology, 2020, 26, 3336-3355.	9.5	50
12	Urban Forests as Main Regulator of the Evaporative Cooling Effect in Cities. AGU Advances, 2021, 2, e2020AV000303.	5.4	50
13	On temporal stochastic modeling of precipitation, nesting models across scales. Advances in Water Resources, 2014, 63, 152-166.	3.8	48
14	A Mechanistic Model of Microbially Mediated Soil Biogeochemical Processes: A Reality Check. Global Biogeochemical Cycles, 2019, 33, 620-648.	4.9	46
15	Covariation of vegetation and climate constrains present and future T/ET variability. Environmental Research Letters, 2018, 13, 104012.	5.2	42
16	On the variability of the ecosystem response to elevated atmospheric CO2 across spatial and temporal scales at the Duke Forest FACE experiment. Agricultural and Forest Meteorology, 2017, 232, 367-383.	4.8	41
17	Crossâ€scale impact of climate temporal variability on ecosystem water and carbon fluxes. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 1716-1740.	3.0	38
18	Atmospheric convection, dynamics and topography shape the scaling pattern of hourly rainfall extremes with temperature globally. Communications Earth & Environment, 2020, 1, .	6.8	31

#	Article	IF	Citations
19	Two-dimensional Hurstâ€“Kolmogorov process and its application to rainfall fields. Journal of Hydrology, 2011, 398, 91-100.	5.4	22
20	Temporal dependence structure in weights in a multiplicative cascade model for precipitation. Water Resources Research, 2012, 48, .	4.2	20
21	Matching ecohydrological processes and scales of banded vegetation patterns in semiarid catchments. Water Resources Research, 2016, 52, 2259-2278.	4.2	18
22	Changing Spatial Structure of Summer Heavy Rainfall, Using Convectionâ€Permitting Ensemble. Geophysical Research Letters, 2021, 48, e2020GL090903.	4.0	15
23	Planning Londonâ€™s green spaces in an integrated water management approach to enhance future resilience in urban stormwater control. Journal of Hydrology, 2021, 597, 126126.	5.4	15
24	Diurnal and seasonal patterns of global urban dry islands. Environmental Research Letters, 2022, 17, 054044.	5.2	15
25	A mechanistic assessment of urban heat island intensities and drivers across climates. Urban Climate, 2022, 44, 101215.	5.7	13
26	Mapping storm spatial profiles for flood impact assessments. Advances in Water Resources, 2022, 166, 104258.	3.8	9
27	Can we estimate flood frequency with point-process spatial-temporal rainfall models?. Journal of Hydrology, 2021, 600, 126667.	5.4	7
28	Insensitivity of Ecosystem Productivity to Predicted Changes in Fineâ€Scale Rainfall Variability. Journal of Geophysical Research G: Biogeosciences, 2022, 127, .	3.0	6
29	Precipitation variability can bias estimates of ecological controls on ecosystem productivity response to precipitation change. Ecohydrology, 0, , e2384.	2.4	1