

Athanasios Paschalis

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,349
citations

430874

18
h-index

501196

28
g-index

31
all docs

31
docs citations

31
times ranked

1975
citing authors

#	ARTICLE	IF	CITATIONS
1	Insensitivity of Ecosystem Productivity to Predicted Changes in Fine-Scale Rainfall Variability. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	6
2	Diurnal and seasonal patterns of global urban dry islands. <i>Environmental Research Letters</i> , 2022, 17, 054044.	5.2	15
3	A mechanistic assessment of urban heat island intensities and drivers across climates. <i>Urban Climate</i> , 2022, 44, 101215.	5.7	13
4	Mapping storm spatial profiles for flood impact assessments. <i>Advances in Water Resources</i> , 2022, 166, 104258.	3.8	9
5	Changing Spatial Structure of Summer Heavy Rainfall, Using Convection-Permitting Ensemble. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090903.	4.0	15
6	Seasonality, Intensity, and Duration of Rainfall Extremes Change in a Warmer Climate. <i>Earth's Future</i> , 2021, 9, e2020EF001824.	6.3	71
7	Urban Forests as Main Regulator of the Evaporative Cooling Effect in Cities. <i>AGU Advances</i> , 2021, 2, e2020AV000303.	5.4	50
8	Planning London's green spaces in an integrated water management approach to enhance future resilience in urban stormwater control. <i>Journal of Hydrology</i> , 2021, 597, 126126.	5.4	15
9	Can we estimate flood frequency with point-process spatial-temporal rainfall models?. <i>Journal of Hydrology</i> , 2021, 600, 126667.	5.4	7
10	Atmospheric convection, dynamics and topography shape the scaling pattern of hourly rainfall extremes with temperature globally. <i>Communications Earth & Environment</i> , 2020, 1, .	6.8	31
11	Rainfall manipulation experiments as simulated by terrestrial biosphere models: Where do we stand?. <i>Global Change Biology</i> , 2020, 26, 3336-3355.	9.5	50
12	A Mechanistic Model of Microbially Mediated Soil Biogeochemical Processes: A Reality Check. <i>Global Biogeochemical Cycles</i> , 2019, 33, 620-648.	4.9	46
13	Spatial variability of extreme rainfall at radar subpixel scale. <i>Journal of Hydrology</i> , 2018, 556, 922-933.	5.4	81
14	Covariation of vegetation and climate constrains present and future T/ET variability. <i>Environmental Research Letters</i> , 2018, 13, 104012.	5.2	42
15	Asymmetric responses of primary productivity to altered precipitation simulated by ecosystem models across three long-term grassland sites. <i>Biogeosciences</i> , 2018, 15, 3421-3437.	3.3	55
16	An advanced stochastic weather generator for simulating 2-km high-resolution climate variables. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 1595-1627.	3.8	101
17	On the variability of the ecosystem response to elevated atmospheric CO ₂ across spatial and temporal scales at the Duke Forest FACE experiment. <i>Agricultural and Forest Meteorology</i> , 2017, 232, 367-383.	4.8	41
18	Matching ecohydrological processes and scales of banded vegetation patterns in semiarid catchments. <i>Water Resources Research</i> , 2016, 52, 2259-2278.	4.2	18

#	ARTICLE	IF	CITATIONS
19	Uncertainty partition challenges the predictability of vital details of climate change. <i>Earth's Future</i> , 2016, 4, 240-251.	6.3	98
20	Partitioning direct and indirect effects reveals the response of water-limited ecosystems to elevated CO ₂ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12757-12762.	7.1	102
21	Persistence and memory timescales in root-zone soil moisture dynamics. <i>Water Resources Research</i> , 2016, 52, 1427-1445.	4.2	62
22	Cross-scale impact of climate temporal variability on ecosystem water and carbon fluxes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1716-1740.	3.0	38
23	Abiotic and biotic controls of soil moisture spatiotemporal variability and the occurrence of hysteresis. <i>Water Resources Research</i> , 2015, 51, 3505-3524.	4.2	56
24	On the effects of small scale space-time variability of rainfall on basin flood response. <i>Journal of Hydrology</i> , 2014, 514, 313-327.	5.4	120
25	On temporal stochastic modeling of precipitation, nesting models across scales. <i>Advances in Water Resources</i> , 2014, 63, 152-166.	3.8	48
26	A stochastic model for high-resolution space-time precipitation simulation. <i>Water Resources Research</i> , 2013, 49, 8400-8417.	4.2	114
27	Temporal dependence structure in weights in a multiplicative cascade model for precipitation. <i>Water Resources Research</i> , 2012, 48, .	4.2	20
28	Two-dimensional Hurst-Kolmogorov process and its application to rainfall fields. <i>Journal of Hydrology</i> , 2011, 398, 91-100.	5.4	22
29	Precipitation variability can bias estimates of ecological controls on ecosystem productivity response to precipitation change. <i>Ecohydrology</i> , 0, , e2384.	2.4	1