Valeriy Y Ivanov

List of Publications by Year
in descending order

52 papers	3,503 citations	136885 32 h-index	214721 47 g-index
53 all docs	53 docs citations	53 times ranked	4491 citing authors

#	Article	IF	Citations
1	A framework for estimating water ingress due to hurricane rainfall. Journal of Wind Engineering and Industrial Aerodynamics, 2022, 221, 104891.	1.7	2
2	Thank You to Our 2021 Peer Reviewers. Geophysical Research Letters, 2022, 49, .	1.5	0
3	Importance of hydraulic strategy trade-offs in structuring response of canopy trees to extreme drought in central Amazon. Oecologia, 2021, 197, 13-24.	0.9	13
4	Thank You to Our 2020 Peer Reviewers. Geophysical Research Letters, 2021, 48, e2021GL093126.	1.5	0
5	Peak Runoff Timing Is Linked to Global Warming Trajectories. Earth's Future, 2021, 9, e2021EF002083.	2.4	10
6	Breaking Down the Computational Barriers to Realâ€Time Urban Flood Forecasting. Geophysical Research Letters, 2021, 48, e2021GL093585.	1.5	21
7	Thank You to Our 2019 Peer Reviewers. Geophysical Research Letters, 2020, 47, e2020GL088048.	1.5	0
8	A Novel Modeling Framework for Computationally Efficient and Accurate Realâ€Time Ensemble Flood Forecasting With Uncertainty Quantification. Water Resources Research, 2020, 56, e2019WR025727.	1.7	15
9	Hydrological niche segregation defines forest structure and drought tolerance strategies in a seasonal Amazon forest. Journal of Ecology, 2019, 107, 318-333.	1.9	133
10	Surface Energy Budgets of Arctic Tundra During Growing Season. Journal of Geophysical Research D: Atmospheres, 2019, 124, 6999-7017.	1.2	10
11	Thank You to Our 2018 Peer Reviewers. Geophysical Research Letters, 2019, 46, 12608-12636.	1.5	0
12	Hydraulic traits explain differential responses of Amazonian forests to the 2015 El NiÃ±oâ€induced drought. New Phytologist, 2019, 223, 1253-1266.	3.5	58
13	Interannual Variability and Seasonality of Precipitation in the Indus River Basin. Journal of Hydrometeorology, 2019, 20, 379-395.	0.7	5
14	On the use of observations in assessment of multi-model climate ensemble. Stochastic Environmental Research and Risk Assessment, 2019, 33, 1923-1937.	1.9	14
15	Estimation of Evapotranspiration of Amazon Rainforest Using the Maximum Entropy Production Method. Geophysical Research Letters, 2019, 46, 1402-1412.	1.5	37
16	Streamflow, stomata, and soil pits: Sources of inference for complex models with fast, robust uncertainty quantification. Advances in Water Resources, 2019, 125, 13-31.	1.7	19
17	Climate Change Impacts on Net Ecosystem Productivity in a Subtropical Shrubland of Northwestern MÃ©xico. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 688-711.	1.3	13
18	Ageâ€dependent leaf physiology and consequences for crownâ€scale carbon uptake during the dry season in an Amazon evergreen forest. New Phytologist, 2018, 219, 870-884.	3.5	66

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19	Dryâ€Season Greening and Water Stress in Amazonia: The Role of Modeling Leaf Phenology. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 1909-1926.	1.3	37
20	Modeling plantâ€“water interactions: an ecohydrological overview from the cell to the global scale. Wiley Interdisciplinary Reviews: Water, 2016, 3, 327-368.	2.8	163
21	Soil erosion assessmentâ€"Mind the gap. Geophysical Research Letters, 2016, 43, 12,446.	1.5	24
22	On the non-uniqueness of the hydro-geomorphic responses in a zero-order catchment with respect to soil moisture. Advances in Water Resources, 2016, 92, 73-89.	1.7	21
23	Uncertainty partition challenges the predictability of vital details of climate change. Earth's Future, 2016, 4, 240-251.	2.4	98
24	Environmental stochasticity controls soil erosion variability. Scientific Reports, 2016, 6, 22065.	1.6	26
25	An overview of current applications, challenges, and future trends in distributed process-based models in hydrology. Journal of Hydrology, 2016, 537, 45-60.	2.3	349
26	Climate change and uncertainty assessment over a hydroclimatic transect of Michigan. Stochastic Environmental Research and Risk Assessment, 2016, 30, 923-944.	1.9	47
27	Crossâ€scale impact of climate temporal variability on ecosystem water and carbon fluxes. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 1716-1740.	1.3	38
28	Abiotic and biotic controls of soil moisture spatiotemporal variability and the occurrence of hysteresis. Water Resources Research, 2015, 51, 3505-3524.	1.7	56
29	A holistic, multi-scale dynamic downscaling framework for climate impact assessments and challenges of addressing finer-scale watershed dynamics. Journal of Hydrology, 2015, 522, 645-660.	2.3	30
30	Interannual variability of evapotranspiration and vegetation productivity. Water Resources Research, 2014, 50, 3275-3294.	1.7	71
31	Characterizing the diurnal patterns of errors in the prediction of evapotranspiration by several landâ€surface models: An NACP analysis. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 1458-1473.	1.3	69
32	On the nonuniqueness of sediment yield at the catchment scale: The effects of soil antecedent conditions and surface shield. Water Resources Research, 2014, 50, 1025-1045.	1.7	46
33	Surfaceâ€subsurface model intercomparison: A first set of benchmark results to diagnose integrated hydrology and feedbacks. Water Resources Research, 2014, 50, 1531-1549.	1.7	222
34	Speciesâ€specific transpiration responses to intermediate disturbance in a northern hardwood forest. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 2292-2311.	1.3	76
35	Modeling erosion and sedimentation coupled with hydrological and overland flow processes at the watershed scale. Water Resources Research, 2013, 49, 5134-5154.	1.7	61
36	Contrasting Hydraulic Strategies during Dry Soil Conditions in Quercus rubra and Acer rubrum in a Sandy Site in Michigan. Forests, 2013, 4, 1106-1120.	0.9	65

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37	Coupled modeling of hydrologic and hydrodynamic processes including overland and channel flow. Advances in Water Resources, 2012, 37, 104-126.	1.7	116
38	Root niche separation can explain avoidance of seasonal drought stress and vulnerability of overstory trees to extended drought in a mature Amazonian forest. Water Resources Research, 2012, 48, .	1.7	61
39	Hydraulic resistance to overland flow on surfaces with partially submerged vegetation. Water Resources Research, 2012, 48, .	1.7	48
40	Real-world hydrologic assessment of a fully-distributed hydrological model in a parallel computing environment. Journal of Hydrology, 2011, 409, 483-496.	2.3	95
41	Simulation of future climate scenarios with a weather generator. Advances in Water Resources, 2011, 34, 448-467.	1.7	214
42	Hysteresis of soil moisture spatial heterogeneity and the â€œhomogenizingâ€• effect of vegetation. Water Resources Research, 2010, 46, .	1.7	139
43	Impact of Hillslope-Scale Organization of Topography, Soil Moisture, Soil Temperature, and Vegetation on Modeling Surface Microwave Radiation Emission. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 2557-2571.	2.7	43
44	Effects of initialization on response of a fully-distributed hydrologic model. Journal of Hydrology, 2008, 352, 107-125.	2.3	58
45	Vegetationâ€hydrology dynamics in complex terrain of semiarid areas: 1. A mechanistic approach to modeling dynamic feedbacks. Water Resources Research, 2008, 44, .	1.7	184
46	Vegetationâ€hydrology dynamics in complex terrain of semiarid areas: 2. Energyâ€water controls of vegetation spatiotemporal dynamics and topographic niches of favorability. Water Resources Research, 2008, 44, .	1.7	88
47	A weather generator for hydrological, ecological, and agricultural applications. Water Resources Research, 2007, 43, .	1.7	87
48	Extending the Predictability of Hydrometeorological Flood Events Using Radar Rainfall Nowcasting. Journal of Hydrometeorology, 2006, 7, 660-677.	0.7	69
49	On the effects of triangulated terrain resolution on distributed hydrologic model response. Hydrological Processes, 2005, 19, 2101-2122.	1.1	88
50	Embedding landscape processes into triangulated terrain models. International Journal of Geographical Information Science, 2005, 19, 429-457.	2.2	29
51	Catchment hydrologic response with a fully distributed triangulated irregular network model. Water Resources Research, 2004, 40, .	1.7	268
52	Spatiotemporal dynamics of encroaching tall vegetation in timberline ecotone of the Polar Urals region, Russia. Environmental Research Letters, 0, , .	2.2	1