

Timothy John Peterson

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

981
citations

516710

16
h-index

580821

25
g-index

30
all docs

30
docs citations

30
times ranked

1204
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-Stationary Influences of Large-Scale Climate Drivers on Low Flow Extremes in Southeast Australia. <i>Water Resources Research</i> , 2022, 58, .	4.2	4
2	Watersheds may not recover from drought. <i>Science</i> , 2021, 372, 745-749.	12.6	113
3	Water table depth data for use in modelling residential building ground-coupled heat transfer. <i>Cleaner Engineering and Technology</i> , 2021, 3, 100096.	4.0	3
4	AWAPer: An R package for area weighted catchment daily meteorological data anywhere within Australia. <i>Hydrological Processes</i> , 2020, 34, 1301-1306.	2.6	15
5	Many Commonly Used Rainfall-Runoff Models Lack Long, Slow Dynamics: Implications for Runoff Projections. <i>Water Resources Research</i> , 2020, 56, e2019WR025286.	4.2	54
6	Joint Estimation of Gross Recharge, Groundwater Usage, and Hydraulic Properties within HydroSight. <i>Ground Water</i> , 2019, 57, 860-876.	1.3	8
7	Equifinality and Flux Mapping: A New Approach to Model Evaluation and Process Representation Under Uncertainty. <i>Water Resources Research</i> , 2019, 55, 8922-8941.	4.2	57
8	The good, the bad and the outliers: automated detection of errors and outliers from groundwater hydrographs. <i>Hydrogeology Journal</i> , 2018, 26, 371-380.	2.1	23
9	Statistical Interpolation of Groundwater Hydrographs. <i>Water Resources Research</i> , 2018, 54, 4663-4680.	4.2	22
10	Error propagation in computer models: analytic approaches, advantages, disadvantages and constraints. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 2971-2985.	4.0	17
11	Impacts of Hydrological Alterations on Water Quality. , 2017, , 101-126.		8
12	On the structural limitations of recursive digital filters for base flow estimation. <i>Water Resources Research</i> , 2016, 52, 4745-4764.	4.2	20
13	A synthetic study to evaluate the utility of hydrological signatures for calibrating a base flow separation filter. <i>Water Resources Research</i> , 2016, 52, 6526-6540.	4.2	13
14	Can we manage groundwater? A method to determine the quantitative testability of groundwater management plans. <i>Water Resources Research</i> , 2016, 52, 4863-4882.	4.2	27
15	Simulating runoff under changing climatic conditions: Revisiting an apparent deficiency of conceptual rainfall-runoff models. <i>Water Resources Research</i> , 2016, 52, 1820-1846.	4.2	136
16	Decomposing groundwater head variations into meteorological and pumping components: a synthetic study. <i>Hydrogeology Journal</i> , 2015, 23, 1431-1448.	2.1	19
17	Estimating aquifer properties using groundwater hydrograph modelling. <i>Hydrological Processes</i> , 2015, 29, 5424-5437.	2.6	16
18	Groundwater surface mapping informs sources of catchment baseflow. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 1599-1613.	4.9	21

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19	Top-down groundwater hydrograph time-series modeling for climate-pumping decomposition. <i>Hydrogeology Journal</i> , 2015, 23, 819-836.	2.1	23
20	Multiple hydrological attractors under stochastic daily forcing: 2. Can multiple attractors emerge?. <i>Water Resources Research</i> , 2014, 50, 3010-3029.	4.2	13
21	Multiple hydrological attractors under stochastic daily forcing: 1. Can multiple attractors exist?. <i>Water Resources Research</i> , 2014, 50, 2993-3009.	4.2	14
22	Nonlinear time-series modeling of unconfined groundwater head. <i>Water Resources Research</i> , 2014, 50, 8330-8355.	4.2	53
23	Estimation of the environmental risk of regulated river flow. <i>Journal of Hydrology</i> , 2014, 517, 74-82.	5.4	5
24	Seasonal and event dynamics of spatial soil moisture patterns at the small catchment scale. <i>Water Resources Research</i> , 2012, 48, .	4.2	235
25	Analytical methods for ecosystem resilience: A hydrological investigation. <i>Water Resources Research</i> , 2012, 48, .	4.2	25
26	Multiple stable states in hydrological models: An ecohydrological investigation. <i>Water Resources Research</i> , 2009, 45, .	4.2	33
27	A One Stage Damage Detection Technique Using Spectral Density Analysis and Parallel Genetic Algorithms. <i>Key Engineering Materials</i> , 0, 558, 1-11.	0.4	1