Jan Seibert

List of Publications by Year
in descending order

245 papers	17,428 citations	12230 68 h-index	17594 119 g-index
361 all docs	361 docs citations	361 times ranked	13452 citing authors

#	Article	IF	Citations
1	Are temporary stream observations useful for calibrating a lumped hydrological model?. Journal of Hydrology, 2024, 632, 130686.	5.5	2
2	Getting your money's worth: Testing the value of data for hydrological model calibration. Hydrological Processes, 2024, 38, .	2.6	2
3	Spatiotemporal dynamics of soil moisture and stream states based on qualitative methods. Hydrological Processes, 2024, 38, .	2.6	0
4	Large-sample hydrology â€“ a few camels or a whole caravan?. Hydrology and Earth System Sciences, 2024, 28, 4219-4237.	4.9	0
5	Shallow-groundwater-level time series and a groundwater chemistry survey from a boreal headwater catchment, Krycklan, Sweden. Earth System Science Data, 2023, 15, 1779-1800.	8.8	2
6	Automatic water-level class estimation from repeated crowd-based photos of streams. Hydrological Sciences Journal, 2023, 68, 1826-1840.	2.6	0
7	When good signatures go bad: Applying hydrologic signatures in large sample studies. Hydrological Processes, 2023, 37, .	2.6	6
8	Localâ€•and networkâ€scale influence of peatlands on boreal catchment response to rainfall events. Hydrological Processes, 2023, 37, .	2.6	0
9	Temporal and spatial variation in shallow groundwater gradients in a boreal headwater catchment. Journal of Hydrology, 2023, 626, 130301.	5.5	1
10	Assessment of the Value of Remotely Sensed Surface Water Extent Data for the Calibration of a Lumped Hydrological Model. Water Resources Research, 2023, 59, .	4.1	0
11	Hydrological model calibration with uncertain discharge data. Hydrological Sciences Journal, 2022, 67, 2441-2456.	2.6	27
12	Citizens AND HYdrology (CANDHY): conceptualizing a transdisciplinary framework for citizen science addressing hydrological challenges. Hydrological Sciences Journal, 2022, 67, 2534-2551.	2.6	43
13	Hydrological Impacts of Projected Climate Change on Northern Tunisian Headwater Catchmentsâ€”An Ensemble Approach Addressing Uncertainties. Climate Change Management, 2022, , 499-519.	0.0	2
14	Coding tool research for next generation AOM coding standard. , 2022, , .		0
15	A retrospective on hydrological catchment modelling based on half a century with the HBV model. Hydrology and Earth System Sciences, 2022, 26, 1371-1388.	4.9	35
16	Evaluating the effects of alternative model structures on dynamic storage simulation in heterogeneous boreal catchments. Hydrology Research, 2022, 53, 562-583.	2.4	5
17	Evaluating the long short-term memory (LSTM) network for discharge prediction under changing climate conditions. Hydrology Research, 2022, 53, 657-667.	2.4	10
18	Comprehensive spaceâ€“time hydrometeorological simulations for estimating very rare floods at multiple sites in a large river basin. Natural Hazards and Earth System Sciences, 2022, 22, 2891-2920.	3.7	4

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19	Bridge over changing watersâ€“Citizen science for detecting the impacts of climate change on water. PLOS Climate, 2022, 1, e0000088.	3.2	4
20	A large-sample investigation into uncertain climate change impacts on high flows across Great Britain. Hydrology and Earth System Sciences, 2022, 26, 5535-5554.	4.9	9
21	Toward catchment hydroâ€biogeochemical theories. Wiley Interdisciplinary Reviews: Water, 2021, 8, e1495.	7.0	74
22	Progressive water deficits during multiyear droughts in basins with long hydrological memory in Chile. Hydrology and Earth System Sciences, 2021, 25, 429-446.	4.9	75
23	Hydrological trends and the evolution of catchment research in the Alptal valley, central Switzerland. Hydrological Processes, 2021, 35, e14113.	2.6	7
24	The Maimai <scp>M8</scp> experimental catchment database: Forty years of processâ€based research on steep, wet hillslopes. Hydrological Processes, 2021, 35, e14112.	2.6	4
25	Hydrological response to warm and dry weather: do glaciers compensate?. Hydrology and Earth System Sciences, 2021, 25, 3245-3265.	4.9	24
26	Gauging ungauged catchments â€“ Active learning for the timing of point discharge observations in combination with continuous water level measurements. Journal of Hydrology, 2021, 598, 126448.	5.5	12
27	Regionalization for Ungauged Catchments â€” Lessons Learned From a Comparative Largeâ€Sample Study. Water Resources Research, 2021, 57, e2021WR030437.	4.1	22
28	Understanding Topâ€ofâ€Atmosphere Flux Bias in the AeroCom Phase III Models: A Clearâ€Sky Perspective. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002584.	3.7	4
29	Representation of Biâ€Directional Fluxes Between Groundwater and Surface Water in a Bucketâ€Type Hydrological Model. Water Resources Research, 2021, 57, e2020WR028835.	4.1	4
30	Effect of DEM-smoothing and -aggregation on topographically-based flow directions and catchment boundaries. Journal of Hydrology, 2021, 602, 126717.	5.5	14
31	Formation and decay of peat bogs in the vegetable belt of Switzerland. Swiss Journal of Geosciences, 2021, 114, .	1.3	3
32	Accuracy of crowdsourced streamflow and stream level class estimates. Hydrological Sciences Journal, 2020, 65, 823-841.	2.6	21
33	Robustness of flood-model calibration using single and multiple events. Hydrological Sciences Journal, 2020, 65, 842-853.	2.6	13
34	Value of Crowdâ€Based Water Level Class Observations for Hydrological Model Calibration. Water Resources Research, 2020, 56, e2019WR026108.	4.1	22
35	Glacioâ€hydrological model calibration and evaluation. Wiley Interdisciplinary Reviews: Water, 2020, 7, e1483.	7.0	33
36	Comparing Option Pricing Methods in q. Wilmott Magazine, 2020, 2020, 58-69.	0.2	0

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37	Global Fully Distributed Parameter Regionalization Based on Observed Streamflow From 4,229 Headwater Catchments. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031485.	3.3	52
38	Crowd-Based Observations of Riverine Macroplastic Pollution. Frontiers in Earth Science, 2020, 8, .	1.8	37
39	Aqua temporaria incognita. Hydrological Processes, 2020, 34, 5704-5711.	2.6	29
40	Effects of Spatial Variability in the Groundwater Isotopic Composition on Hydrograph Separation Results for a Preâ€Alpine Headwater Catchment. Water Resources Research, 2020, 56, e2019WR026855.	4.1	6
41	Sensitivity of discharge projections to potential evapotranspiration estimation in Northern Tunisia. Regional Environmental Change, 2020, 20, 1.	2.9	15
42	Do stream water solute concentrations reflect when connectivity occurs in a small, pre-Alpine headwater catchment?. Hydrology and Earth System Sciences, 2020, 24, 3381-3398.	4.9	15
43	Flood prediction using parameters calibrated on limited discharge data and uncertain rainfall scenarios. Hydrological Sciences Journal, 2020, 65, 1512-1524.	2.6	8
44	Flood-type trend analysis for alpine catchments. Hydrological Sciences Journal, 2020, 65, 1281-1299.	2.6	22
45	Training citizen scientists through an online game developed for data quality control. Journal of Plant Pathology, 2020, 3, 109-126.	1.2	7
46	Risks and opportunities for aÂSwiss hydroelectricity company in aÂchanging climate. Hydrology and Earth System Sciences, 2020, 24, 3815-3833.	4.9	8
47	Assessing the degree of detail of temperature-based snow routines for runoff modelling in mountainous areas in central Europe. Hydrology and Earth System Sciences, 2020, 24, 4441-4461.	4.9	28
48	Downsizing parameter ensembles for simulations of rare floods. Natural Hazards and Earth System Sciences, 2020, 20, 3521-3549.	3.7	9
49	The CH-IRP data set: a decade of fortnightly data on <i>Î´</i>²H and <i>Î´</i>¹⁸O in streamflow and precipitation in Switzerland. Earth System Science Data, 2020, 12, 3057-3066.	8.8	2
50	What is the best time to take stream isotope samples for event-based model calibration?. Journal of Hydrology, 2019, 577, 123950.	5.5	10
51	Assessing the Sampling Quality of a Low-Tech Low-Budget Volume-Based Rainfall Sampler for Stable Isotope Analysis. Frontiers in Earth Science, 2019, 7, .	1.8	7
52	The CrowdWater game: AÂplayful way to improve the accuracy of crowdsourced water level class data. PLoS ONE, 2019, 14, e0222579.	2.5	29
53	Twenty-three unsolved problems in hydrology (UPH) â€“ a community perspective. Hydrological Sciences Journal, 2019, 64, 1141-1158.	2.6	556
54	Effects of univariate and multivariate bias correction on hydrological impact projections in alpine catchments. Hydrology and Earth System Sciences, 2019, 23, 1339-1354.	4.9	72

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55	Validation and Over-Parameterizationâ€"Experiences from Hydrological Modeling. Simulation Foundations, Methods and Applications, 2019, , 811-834.	0.0	15
56	Expansion and contraction of the flowing stream network alter hillslope flowpath lengths and the shape of the travel time distribution. Hydrology and Earth System Sciences, 2019, 23, 4825-4834.	4.9	58
57	Virtual Staff Gauges for Crowd-Based Stream Level Observations. Frontiers in Earth Science, 2019, 7, .	1.8	64
58	Value of a Limited Number of Discharge Observations for Improving Regionalization: A Largeâ€Sample Study Across the United States. Water Resources Research, 2019, 55, 363-377.	4.1	18
59	The role of landscape properties, storage and evapotranspiration on variability in streamflow recessions in a boreal catchment. Journal of Hydrology, 2019, 570, 315-328.	5.5	38
60	Your work is my boundary condition!. Journal of Hydrology, 2019, 571, 235-243.	5.5	38
61	Upper and lower benchmarks in hydrological modelling. Hydrological Processes, 2018, 32, 1120-1125.	2.6	90
62	Synthetic design hydrographs for ungauged catchments: a comparison of regionalization methods. Stochastic Environmental Research and Risk Assessment, 2018, 32, 1993-2023.	4.0	30
63	Identification of Flood Reactivity Regions via the Functional Clustering of Hydrographs. Water Resources Research, 2018, 54, 1852-1867.	4.1	21
64	Modeling of Future Changes in Seasonal Snowpack and Impacts on Summer Low Flows in Alpine Catchments. Water Resources Research, 2018, 54, 538-556.	4.1	55
65	Appropriate temporal resolution of precipitation data for discharge modelling in pre-alpine catchments. Hydrological Sciences Journal, 2018, 63, 1-16.	2.6	37
66	Representative sets of design hydrographs for ungauged catchments: A regional approach using probabilistic region memberships. Advances in Water Resources, 2018, 112, 235-244.	3.8	11
67	Definitions of climatological and discharge days: do they matter in hydrological modelling?. Hydrological Sciences Journal, 2018, 63, 836-844.	2.6	7
68	Value of different precipitation data for flood prediction in an alpine catchment: A Bayesian approach. Journal of Hydrology, 2018, 556, 961-971.	5.5	36
69	Bivariate analysis of floods in climate impact assessments. Science of the Total Environment, 2018, 616-617, 1392-1403.	8.1	26
70	Effective precipitation duration for runoff peaks based on catchment modelling. Journal of Hydrology, 2018, 556, 510-522.	5.5	30
71	Magic componentsâ€"why quantifying rain, snowmelt, and icemelt in river discharge is not easy. Hydrological Processes, 2018, 32, 160-166.	2.6	33
72	Value of uncertain streamflow observations for hydrological modelling. Hydrology and Earth System Sciences, 2018, 22, 5243-5257.	4.9	22

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73	Evaluating model performance: towards a non-parametric variant of the Kling-Gupta efficiency. Hydrological Sciences Journal, 2018, 63, 1941-1953.	2.6	129
74	Phase diagram of a general biaxial nematic model based on density of states computation. Liquid Crystals, 2018, 45, 2197-2213.	2.3	3
75	Effect of Observation Errors on the Timing of the Most Informative Isotope Samples for Event-Based Model Calibration. Hydrology, 2018, 5, 4.	3.0	3
76	Technical note: Representing glacier geometry changes in a semi-distributed hydrological model. Hydrology and Earth System Sciences, 2018, 22, 2211-2224.	4.9	37
77	Application of chlorite thermometry to estimation of formation temperature and redox conditions. Clay Minerals, 2018, 53, 143-158.	0.8	35
78	Testing the Waters: Mobile Apps for Crowdsourced Streamflow Data. Eos, 2018, 99, .	0.1	35
79	Whatâ€™s the Best Way to Responsibly Collect Ocean Data?. Eos, 2018, 99, .	0.1	2
80	Runoff generation in a pre-alpine catchment: A discussion between a tracer and a shallow groundwater hydrologist. Cuadernos De Investigacion Geografica, 2018, 44, 429-452.	1.1	14
81	Historical glacier outlines from digitized topographic maps of the Swiss Alps. Earth System Science Data, 2018, 10, 805-814.	8.8	15
82	Screening bacterial strains for production of maltooligosyl trehalose trehalohydrolase and maltooligosyl trehalose synthase. Journal of Vietnamese Environment, 2018, 9, 55-60.	0.2	2
83	Impact of social preparedness on flood early warning systems. Water Resources Research, 2017, 53, 522-534.	4.1	52
84	Spatial variability in the isotopic composition of rainfall in a small headwater catchment and its effect on hydrograph separation. Journal of Hydrology, 2017, 547, 755-769.	5.5	56
85	Pre-event water contributions to runoff events of different magnitude in pre-alpine headwaters. Hydrology Research, 2017, 48, 28-47.	2.4	44
86	Catchment water storage variation with elevation. Hydrological Processes, 2017, 31, 2000-2015.	2.6	107
87	Sub-daily runoff predictions using parameters calibrated on the basis of data with a daily temporal resolution. Journal of Hydrology, 2017, 550, 399-411.	5.5	28
88	How uncertainty analysis of streamflow data can reduce costs and promote robust decisions in water management applications. Water Resources Research, 2017, 53, 5220-5228.	4.1	63
89	When should stream water be sampled to be most informative for event-based, multi-criteria model calibration?. Hydrology Research, 2017, 48, 1566-1584.	2.4	16
90	Flood type specific construction of synthetic design hydrographs. Water Resources Research, 2017, 53, 1390-1406.	4.1	70

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91	Prediction of hydrographs and flow-duration curves in almost ungauged catchments: Which runoff measurements are most informative for model calibration?. Journal of Hydrology, 2017, 554, 613-622.	5.5	40
92	Snow redistribution for the hydrological modeling of alpine catchments. Wiley Interdisciplinary Reviews: Water, 2017, 4, e1232.	7.0	74
93	Water storage dynamics in a till hillslope: the foundation for modeling flows and turnover times. Hydrological Processes, 2017, 31, 4-14.	2.6	17
94	The Role of Prosocialness and Trust in the Consumption of Water as a Limited Resource. Frontiers in Psychology, 2017, 8, 694.	2.2	6
95	Streamflow characteristics from modeled runoff time series â€“ importance of calibration criteria selection. Hydrology and Earth System Sciences, 2017, 21, 5443-5457.	4.9	36
96	Utilization of Global Precipitation Datasets in Data Limited Regions: A Case Study of Kilombero Valley, Tanzania. Atmosphere, 2017, 8, 246.	2.3	10
97	Information content of stream level class data for hydrological model calibration. Hydrology and Earth System Sciences, 2017, 21, 4895-4905.	4.9	36
98	Assessing the benefit of snow data assimilation for runoff modeling in Alpine catchments. Hydrology and Earth System Sciences, 2016, 20, 3895-3905.	4.9	51
99	Learning about water resource sharing through game play. Hydrology and Earth System Sciences, 2016, 20, 4079-4091.	4.9	9
100	How informative are stream level observations in different geographic regions?. Hydrological Processes, 2016, 30, 2498-2508.	2.6	30
101	Landscape controls on spatiotemporal discharge variability in a boreal catchment. Water Resources Research, 2016, 52, 6541-6556.	4.1	61
102	Bivariate return periods and their importance for flood peak and volume estimation. Wiley Interdisciplinary Reviews: Water, 2016, 3, 819-833.	7.0	67
103	Influence of hydro-meteorological data spatial aggregation on streamflow modelling. Journal of Hydrology, 2016, 541, 1212-1220.	5.5	10
104	Hydrological change modeling: Challenges and opportunities. Hydrological Processes, 2016, 30, 4966-4971.	2.6	21
105	Propagation of biases in climate models from the synoptic to the regional scale: Implications for bias adjustment. Journal of Geophysical Research D: Atmospheres, 2016, 121, 2075-2089.	3.3	46
106	Change in streamflow response in unregulated catchments in Sweden over the last century. Water Resources Research, 2016, 52, 5847-5867.	4.1	5
107	Is groundwater response timing in a preâ€alpine catchment controlled more by topography or by rainfall?. Hydrological Processes, 2016, 30, 1036-1051.	2.6	35
108	Importance of maximum snow accumulation for summer low flows in humid catchments. Hydrology and Earth System Sciences, 2016, 20, 859-874.	4.9	64

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109	Accelerating advances in continental domain hydrologic modeling. Water Resources Research, 2015, 51, 10078-10091.	4.1	114
110	Floodâ€type classification in mountainous catchments using crisp and fuzzy decision trees. Water Resources Research, 2015, 51, 7959-7976.	4.1	93
111	Hillslopeâ€“riparianâ€stream connectivity and flow directions at the Panola Mountain Research Watershed. Hydrological Processes, 2015, 29, 3556-3574.	2.6	63
112	Comparison of threshold hydrologic response across northern catchments. Hydrological Processes, 2015, 29, 3575-3591.	2.6	59
113	The value of multiple data set calibration versus model complexity for improving the performance of hydrological models in mountain catchments. Water Resources Research, 2015, 51, 1939-1958.	4.1	112
114	Maximum likelihood parameter estimation for fitting bedload rating curves. Water Resources Research, 2015, 51, 281-301.	4.1	12
115	Contributing sources to baseflow in preâ€alpine headwaters using spatial snapshot sampling. Hydrological Processes, 2015, 29, 5321-5336.	2.6	44
116	Quantifying sensitivity to droughts â€“ an experimental modeling approach. Hydrology and Earth System Sciences, 2015, 19, 1371-1384.	4.9	27
117	Model Calibration Criteria for Estimating Ecological Flow Characteristics. Water (Switzerland), 2015, 7, 2358-2381.	2.8	47
118	Qualitative soil moisture assessment in semi-arid Africa â€“ the role of experience and training on inter-rater reliability. Hydrology and Earth System Sciences, 2015, 19, 3505-3516.	4.9	5
119	Does model performance improve with complexity? A case study with three hydrological models. Journal of Hydrology, 2015, 523, 147-159.	5.5	144
120	Can a regionalized model parameterisation be improved with a limited number of runoff measurements?. Journal of Hydrology, 2015, 529, 49-61.	5.5	21
121	Snow and Ice in the Hydrosphere. , 2015, , 99-137.		13
122	Location and density of rain gauges for the estimation of spatial varying precipitation. Geografiska Annaler, Series A: Physical Geography, 2015, 97, 167-179.	1.4	59
123	Gauging the Ungauged Basin: Relative Value of Soft and Hard Data. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	2.1	61
124	Conceptual Modelling to Assess Hydrological Impacts and Evaluate Environmental Flow Scenarios in Montane River Systems Regulated for Hydropower. River Research and Applications, 2015, 31, 1066-1081.	1.6	18
125	True colors â€“ experimental identification of hydrological processes at a hillslope prone to slide. Hydrology and Earth System Sciences, 2014, 18, 875-892.	4.9	20
126	Regional water balance modelling using flow-duration curves with observational uncertainties. Hydrology and Earth System Sciences, 2014, 18, 2993-3013.	4.9	42

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127	Bias correction for hydrological impact studies â€“ beyond the daily perspective. Hydrological Processes, 2014, 28, 4823-4828.	2.6	49
128	Why the transformation of the risk message is a healthy sign: a model of the reception of warning messages. Health, Risk and Society, 2014, 16, 277-294.	1.9	10
129	The long-term hydrology of East Africaâ€™s water tower: statistical change detection in the watersheds of the Abbay Basin. Regional Environmental Change, 2014, 14, 321-331.	2.9	27
130	Analysis of hydrological seasonality across northern catchments using monthly precipitationâ€“runoff polygon metrics. Hydrological Sciences Journal, 2014, 59, 56-72.	2.6	4
131	A drought index accounting for snow. Water Resources Research, 2014, 50, 7861-7872.	4.1	86
132	Dissipative quantum metrology in manybody systems of identical particles. New Journal of Physics, 2014, 16, 015023.	2.9	26
133	Predictability of low flow â€“ An assessment with simulation experiments. Journal of Hydrology, 2014, 519, 1383-1393.	5.5	33
134	Topographic controls on shallow groundwater levels in a steep, prealpine catchment: When are the TWI assumptions valid?. Water Resources Research, 2014, 50, 6067-6080.	4.1	75
135	Robust changes and sources of uncertainty in the projected hydrological regimes of Swiss catchments. Water Resources Research, 2014, 50, 7541-7562.	4.1	192
136	Physical context for theoretical approaches to sediment transport magnitudeâ€frequency analysis in alluvial channels. Water Resources Research, 2014, 50, 7900-7914.	4.1	38
137	Use of color maps and wavelet coherence to discern seasonal and interannual climate influences on streamflow variability in northern catchments. Water Resources Research, 2013, 49, 6194-6207.	4.1	60
138	Measuring the significance of a divide to local drainage patterns. International Journal of Geographical Information Science, 2013, 27, 1453-1468.	4.6	18
139	Smiling in the rain: Seven reasons to be positive about uncertainty in hydrological modelling. Hydrological Processes, 2013, 27, 1117-1122.	2.6	46
140	Distributed conceptual modelling in a Swedish lowland catchment: a multi-criteria model assessment. Hydrology Research, 2013, 44, 318-333.	2.4	17
141	Catchments on the cusp? Structural and functional change in northern ecohydrology. Hydrological Processes, 2013, 27, 766-774.	2.6	57
142	Hydrological change detection using modeling: Half a century of runoff from four rivers in the Blue Nile Basin. Water Resources Research, 2013, 49, 3842-3851.	4.1	29
143	Change in winter climate will affect dissolved organic carbon and water fluxes in midâ€toâ€high latitude catchments. Hydrological Processes, 2013, 27, 700-709.	2.6	36
144	Is bias correction of regional climate model (RCM) simulations possible for non-stationary conditions?. Hydrology and Earth System Sciences, 2013, 17, 5061-5077.	4.9	323

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145	Preface "Hydrology education in a changing world". Hydrology and Earth System Sciences, 2013, 17, 1393-1399.	4.9	26
146	Soil Information in Hydrologic Models. , 2012, , 515-536.		13
147	Riparian zone hydrology and soil water total organic carbon (TOC): implications for spatial variability and upscaling of lateral riparian TOC exports. Biogeosciences, 2012, 9, 3901-3916.	3.4	122
148	Rapid transformation of inorganic to organic and plant-available phosphorous in soils of a glacier forefield. Geoderma, 2012, 189-190, 215-226.	5.2	19
149	Specific discharge variability in a boreal landscape. Water Resources Research, 2012, 48, .	4.1	56
150	On the risk of obtaining misleading results by pooling streamflow data for trend analyses. Water Resources Research, 2012, 48, .	4.1	4
151	Crossâ€regional prediction of longâ€term trajectory of stream water DOC response to climate change. Geophysical Research Letters, 2012, 39, .	3.9	132
152	Teaching hydrological modeling with a user-friendly catchment-runoff-model software package. Hydrology and Earth System Sciences, 2012, 16, 3315-3325.	4.9	389
153	Irrigania â€“ a web-based game about sharing water resources. Hydrology and Earth System Sciences, 2012, 16, 2523-2530.	4.9	33
154	Hydroclimatic and hydrochemical controls on Plecoptera diversity and distribution in northern freshwater ecosystems. Hydrobiologia, 2012, 693, 39-53.	2.0	8
155	A toy model for monthly river flow forecasting. Journal of Hydrology, 2012, 452-453, 226-231.	5.5	9
156	Variability of groundwater levels and total organic carbon in the riparian zone of a boreal catchment. Journal of Geophysical Research, 2011, 116, .	3.2	42
157	Riparian soil temperature modification of the relationship between flow and dissolved organic carbon concentration in a boreal stream. Water Resources Research, 2011, 47, .	4.1	62
158	Tracer Hydrology. , 2011, , 215-236.		30
159	Calibration of hydrological models using flow-duration curves. Hydrology and Earth System Sciences, 2011, 15, 2205-2227.	4.9	212
160	Comparison of hydrological model structures based on recession and low flow simulations. Hydrology and Earth System Sciences, 2011, 15, 3447-3459.	4.9	107
161	Evaluation of different downscaling techniques for hydrological climate-change impact studies at the catchment scale. Climate Dynamics, 2011, 37, 2087-2105.	3.8	165
162	Stageâ€discharge uncertainty derived with a nonâ€stationary rating curve in the Choluteca River, Honduras. Hydrological Processes, 2011, 25, 603-613.	2.6	131

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163	Groundwater dynamics in a till hillslope: flow directions, gradients and delay. Hydrological Processes, 2011, 25, 1899-1909.	2.6	37
164	Water storage in a till catchment. I: Distributed modelling and relationship to runoff. Hydrological Processes, 2011, 25, 3937-3949.	2.6	29
165	Catchmentâ€scale estimates of flow path partitioning and water storage based on transit time and runoff modelling. Hydrological Processes, 2011, 25, 3960-3976.	2.6	66
166	Water storage in a till catchment. II: Implications of transmissivity feedback for flow paths and turnover times. Hydrological Processes, 2011, 25, 3950-3959.	2.6	82
167	On the value of glacier mass balances for hydrological model calibration. Journal of Hydrology, 2010, 385, 238-246.	5.5	112
168	Regional Climate Models for Hydrological Impact Studies at the Catchment Scale: A Review of Recent Modeling Strategies. Geography Compass, 2010, 4, 834-860.	2.7	301
169	Controls on snowmelt water mean transit times in northern boreal catchments. Hydrological Processes, 2010, 24, 1672-1684.	2.6	63
170	How old is streamwater? Open questions in catchment transit time conceptualization, modelling and analysis. Hydrological Processes, 2010, 24, 1745-1754.	2.6	285
171	Preface "Towards holistic studies of the Earth's Critical Zone: hydropedology perspectives". Hydrology and Earth System Sciences, 2010, 14, 479-480.	4.9	4
172	Ensemble modelling of nitrogen fluxes: data fusion for a Swedish meso-scale catchment. Hydrology and Earth System Sciences, 2010, 14, 2383-2397.	4.9	27
173	Effects of wildfire on catchment runoff response: a modelling approach to detect changes in snow-dominated forested catchments. Hydrology Research, 2010, 41, 378-390.	2.4	80
174	Calculating terrain indices along streams: A new method for separating stream sides. Water Resources Research, 2010, 46, .	4.1	22
175	Land-cover impacts on streamflow: a change-detection modelling approach that incorporates parameter uncertainty. Hydrological Sciences Journal, 2010, 55, 316-332.	2.6	97
176	Using landscape characteristics to define an adjusted distance metric for improving kriging interpolations. International Journal of Geographical Information Science, 2010, 24, 723-740.	4.6	20
177	Gauging the ungauged basin: how many discharge measurements are needed?. Hydrology and Earth System Sciences, 2009, 13, 883-892.	4.9	198
178	Estimation of permafrost thawing rates in a sub-arctic catchment using recession flow analysis. Hydrology and Earth System Sciences, 2009, 13, 595-604.	4.9	103
179	Linking soil- and stream-water chemistry based on a Riparian Flow-Concentration Integration Model. Hydrology and Earth System Sciences, 2009, 13, 2287-2297.	4.9	200
180	Modeling spatial patterns of saturated areas: A comparison of the topographic wetness index and a dynamic distributed model. Journal of Hydrology, 2009, 373, 15-23.	5.5	229

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181	Dynamics of stream water TOC concentrations in a boreal headwater catchment: Controlling factors and implications for climate scenarios. Journal of Hydrology, 2009, 373, 44-56.	5.5	85
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