

Hubert H G Savenije

List of Publications by Year in descending order

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Version: 2024-02-01

244
papers

17,058
citations

10389

72
h-index

20961

115
g-index

394
all docs

394
docs citations

394
times ranked

12668
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating low-cost topographic surveys for computations of conveyance. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2022, 11, 1-23.	1.6	4
2	Ecosystem adaptation to climate change: the sensitivity of hydrological predictions to time-dynamic model parameters. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 1295-1318.	4.9	14
3	Detecting nighttime inversions in the interior of a Douglas fir canopy. <i>Agricultural and Forest Meteorology</i> , 2022, 321, 108960.	4.8	4
4	Vapor plumes in a tropical wet forest: spotting the invisible evaporation. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 619-635.	4.9	5
5	Learning from satellite observations: increased understanding of catchment processes through stepwise model improvement. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 957-982.	4.9	18
6	Behind the scenes of streamflow model performance. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 1069-1095.	4.9	26
7	Satellite-based drought analysis in the Zambezi River Basin: Was the 2019 drought the most extreme in several decades as locally perceived?. <i>Journal of Hydrology: Regional Studies</i> , 2021, 34, 100789.	2.4	7
8	Improving the Representation of Long-Term Storage Variations With Conceptual Hydrological Models in Data-Scarce Regions. <i>Water Resources Research</i> , 2021, 57, e2020WR028837.	4.2	7
9	Understanding the Information Content in the Hierarchy of Model Development Decisions: Learning From Data. <i>Water Resources Research</i> , 2021, 57, e2020WR027948.	4.2	22
10	Variations in Canopy Cover and Its Relationship with Canopy Water and Temperature in the Miombo Woodland Based on Satellite Data. <i>Hydrology</i> , 2020, 7, 58.	3.0	2
11	Water Value Flows Upstream. <i>Water (Switzerland)</i> , 2020, 12, 2642.	2.7	3
12	Invigorating Hydrological Research Through Journal Publications. <i>Water Resources Research</i> , 2020, 56, .	4.2	5
13	Contribution of understory evaporation in a tropical wet forest during the dry season. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 2179-2206.	4.9	10
14	Improved Understanding of the Link Between Catchment-Scale Vegetation Accessible Storage and Satellite-Derived Soil Water Index. <i>Water Resources Research</i> , 2020, 56, e2019WR026365.	4.2	18
15	Using altimetry observations combined with GRACE to select parameter sets of a hydrological model in a data-scarce region. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 3331-3359.	4.9	16
16	Improving the Predictive Skill of a Distributed Hydrological Model by Calibration on Spatial Patterns With Multiple Satellite Data Sets. <i>Water Resources Research</i> , 2020, 56, e2019WR026085.	4.2	93
17	Revisiting wind speed measurements using actively heated fiber optics: a wind tunnel study. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 5423-5439.	3.1	14
18	Decoupling of a Douglas fir canopy: a look into the subcanopy with continuous vertical temperature profiles. <i>Biogeosciences</i> , 2020, 17, 6423-6439.	3.3	13

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19	Seasonal behaviour of tidal damping and residual water level slope in the Yangtze River estuary: identifying the critical position and river discharge for maximum tidal damping. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 2779-2794.	4.9	19
20	Twenty-three unsolved problems in hydrology (UPH) – a community perspective. <i>Hydrological Sciences Journal</i> , 2019, 64, 1141-1158.	2.6	474
21	Saline water intrusion in relation to strong winds during winter cold outbreaks: North Branch of the Yangtze Estuary. <i>Journal of Hydrology</i> , 2019, 574, 1099-1109.	5.4	18
22	How climate variations are reflected in root zone storage capacities. <i>Physics and Chemistry of the Earth</i> , 2019, 112, 83-90.	2.9	3
23	Energy states of soil water – a thermodynamic perspective on soil water dynamics and storage-controlled streamflow generation in different landscapes. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 971-987.	4.9	9
24	A simple topography-driven and calibration-free runoff generation module. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 787-809.	4.9	37
25	Maximum power of saline and fresh water mixing in estuaries. <i>Earth System Dynamics</i> , 2019, 10, 667-684.	7.1	2
26	Global phosphorus recovery from wastewater for agricultural reuse. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 5781-5799.	4.9	47
27	Frictional interactions between tidal constituents in tide-dominated estuaries. <i>Ocean Science</i> , 2018, 14, 769-782.	3.4	10
28	Redressing the balance: quantifying net intercatchment groundwater flows. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 6415-6434.	4.9	45
29	Joint editorial: Invigorating hydrological research through journal publications. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 5735-5739.	4.9	3
30	Rainfall-runoff modelling using river-stage time series in the absence of reliable discharge information: a case study in the semi-arid Mara River basin. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 5081-5095.	4.9	8
31	HESS Opinions: Science in today's media landscape – challenges and lessons from hydrologists and journalists. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 3589-3599.	4.9	5
32	Constraining Conceptual Hydrological Models With Multiple Information Sources. <i>Water Resources Research</i> , 2018, 54, 8332-8362.	4.2	85
33	Remote land use impacts on river flows through atmospheric teleconnections. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 4311-4328.	4.9	79
34	Thermodynamics of saline and fresh water mixing in estuaries. <i>Earth System Dynamics</i> , 2018, 9, 241-247.	7.1	9
35	HESS Opinions: Linking Darcy's equation to the linear reservoir. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 1911-1916.	4.9	5
36	Technical note: Using distributed temperature sensing for Bowen ratio evaporation measurements. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 819-830.	4.9	24

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37	Intercepted by lichens. <i>Nature Geoscience</i> , 2018, 11, 548-549.	12.9	4
38	The importance of aspect for modelling the hydrological response in a glacier catchment in Central Asia. <i>Hydrological Processes</i> , 2017, 31, 2842-2859.	2.6	44
39	Progressive change of tidal wave characteristics from the eastern Yellow Sea to the Asan Bay, a strongly convergent bay in the west coast of Korea. <i>Ocean Dynamics</i> , 2017, 67, 1137-1150.	2.2	6
40	The physics behind Van der Burgh's empirical equation, providing a new predictive equation for salinity intrusion in estuaries. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 3287-3305.	4.9	15
41	HESS Opinions Catchments as meta-organisms – a new blueprint for hydrological modelling. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 1107-1116.	4.9	42
42	Looking beyond general metrics for model comparison – lessons from an international model intercomparison study. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 423-440.	4.9	34
43	Hydroclimatic variability and predictability: a survey of recent research. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 3777-3798.	4.9	28
44	Predicting the salt water intrusion in the Shatt al-Arab estuary using an analytical approach. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 4031-4042.	4.9	23
45	Analytical approach for determining the mean water level profile in an estuary with substantial fresh water discharge. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 1177-1195.	4.9	29
46	The importance of topography-controlled sub-grid process heterogeneity and semi-quantitative prior constraints in distributed hydrological models. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 1151-1176.	4.9	47
47	Global root zone storage capacity from satellite-based evaporation. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 1459-1481.	4.9	107
48	The evolution of root-zone moisture capacities after deforestation: a step towards hydrological predictions under change?. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 4775-4799.	4.9	61
49	Comparing the Normalized Difference Infrared Index (NDII) with root zone storage in a lumped conceptual model. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 3361-3377.	4.9	33
50	From spatially variable streamflow to distributed hydrological models: Analysis of key modeling decisions. <i>Water Resources Research</i> , 2016, 52, 954-989.	4.2	78
51	A sociohydrological model for smallholder farmers in Maharashtra, India. <i>Water Resources Research</i> , 2016, 52, 1923-1947.	4.2	61
52	Joint editorial: Fostering innovation and improving impact assessment for journal publications in hydrology. <i>Water Resources Research</i> , 2016, 52, 2399-2402.	4.2	9
53	An Analytical Approach to Determining Resonance in Semi-Closed Convergent Tidal Channels. <i>Coastal Engineering Journal</i> , 2016, 58, 1650009-1-1650009-37.	1.9	15
54	Adaptation of water resources systems to changing society and environment: a statement by the International Association of Hydrological Sciences. <i>Hydrological Sciences Journal</i> , 2016, 61, 2803-2817.	2.6	57

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55	Influence of soil and climate on root zone storage capacity. <i>Water Resources Research</i> , 2016, 52, 2009-2024.	4.2	62
56	Accounting for the influence of vegetation and landscape improves model transferability in a tropical savannah region. <i>Water Resources Research</i> , 2016, 52, 7999-8022.	4.2	25
57	A coupled analytical model for salt intrusion and tides in convergent estuaries. <i>Hydrological Sciences Journal</i> , 2016, 61, 402-419.	2.6	16
58	Joint Editorial: Fostering innovation and improving impact assessment for journal publications in hydrology. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 1081-1084.	4.9	2
59	Estimating bankfull discharge and depth in ungauged estuaries. <i>Water Resources Research</i> , 2015, 51, 2298-2316.	4.2	30
60	Towards more systematic perceptual model development: a case study using 3 Luxembourgish catchments. <i>Hydrological Processes</i> , 2015, 29, 2731-2750.	2.6	75
61	Transit time distributions, legacy contamination and variability in biogeochemical $1/f$ scaling: how are hydrological response dynamics linked to water quality at the catchment scale?. <i>Hydrological Processes</i> , 2015, 29, 5241-5256.	2.6	72
62	Revised predictive equations for salt intrusion modelling in estuaries. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 2791-2803.	4.9	23
63	Predicting the ungauged basin: model validation and realism assessment. <i>Frontiers in Earth Science</i> , 2015, 3, .	1.8	25
64	The effect of forcing and landscape distribution on performance and consistency of model structures. <i>Hydrological Processes</i> , 2015, 29, 3727-3743.	2.6	41
65	Prediction in ungauged estuaries: An integrated theory. <i>Water Resources Research</i> , 2015, 51, 2464-2476.	4.2	57
66	A predictive model for salt intrusion in estuaries applied to the Yangtze estuary. <i>Journal of Hydrology</i> , 2015, 529, 1336-1349.	5.4	28
67	Testing the realism of a topography-driven model (FLEX-Topo) in the nested catchments of the Upper Heihe, China. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 1895-1915.	4.9	101
68	Socio-hydrologic modeling to understand and mediate the competition for water between agriculture development and environmental health: Murrumbidgee River basin, Australia. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 4239-4259.	4.9	136
69	Linking the river to the estuary: influence of river discharge on tidal damping. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 287-304.	4.9	89
70	A constraint-based search algorithm for parameter identification of environmental models. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 4861-4870.	4.9	26
71	Contrasting roles of interception and transpiration in the hydrological cycle – Part 1: Temporal characteristics over land. <i>Earth System Dynamics</i> , 2014, 5, 441-469.	7.1	104
72	Analytical approach for predicting fresh water discharge in an estuary based on tidal water level observations. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 4153-4168.	4.9	50

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73	Evolving water science in the Anthropocene. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 319-332.	4.9	121
74	Joint Editorial "On the future of journal publications in hydrology". <i>Hydrology and Earth System Sciences</i> , 2014, 18, 2433-2435.	4.9	2
75	Determining slack tide with a GPS receiver on an anchored buoy. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 2599-2613.	4.9	0
76	Using expert knowledge to increase realism in environmental system models can dramatically reduce the need for calibration. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 4839-4859.	4.9	106
77	Contrasting roles of interception and transpiration in the hydrological cycle â€“ Part 2: Moisture recycling. <i>Earth System Dynamics</i> , 2014, 5, 471-489.	7.1	127
78	Joint Editorialâ€”On the future of journal publications in hydrology. <i>Hydrological Sciences Journal</i> , 2014, 59, 955-958.	2.6	9
79	Recent revisions of phosphate rock reserves and resources: a critique. <i>Earth System Dynamics</i> , 2014, 5, 491-507.	7.1	89
80	C-GEM (v 1.0): a new, cost-efficient biogeochemical model for estuaries and its application to a funnel-shaped system. <i>Geoscientific Model Development</i> , 2014, 7, 1271-1295.	3.6	20
81	Impact of climate variability on the hydrology of the Sudd wetland: signals derived from long term (1900â€“2000) water balance computations. <i>Wetlands Ecology and Management</i> , 2014, 22, 191-198.	1.5	22
82	On the future of journal publications in hydrology. <i>Water Resources Research</i> , 2014, 50, 2795-2797.	4.2	7
83	Patterns of similarity of seasonal water balances: A window into streamflow variability over a range of time scales. <i>Water Resources Research</i> , 2014, 50, 5638-5661.	4.2	167
84	On the future of journal publications in hydrology. <i>Hydrology Research</i> , 2014, 45, 515-518.	2.7	12
85	Uncertainties in transpiration estimates. <i>Nature</i> , 2014, 506, E1-E2.	27.8	157
86	Catchment properties, function, and conceptual model representation: is there a correspondence?. <i>Hydrological Processes</i> , 2014, 28, 2451-2467.	2.6	135
87	Climate controls how ecosystems size the root zone storage capacity at catchment scale. <i>Geophysical Research Letters</i> , 2014, 41, 7916-7923.	4.0	138
88	Process consistency in models: The importance of system signatures, expert knowledge, and process complexity. <i>Water Resources Research</i> , 2014, 50, 7445-7469.	4.2	170
89	Socio-hydrologic modeling to understand and mediate the competition for water between agriculture development and environmental health: Murrumbidgee River basin, Australia. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 4239-4259.	4.9	6
90	Oceanic sources of continental precipitation and the correlation with sea surface temperature. <i>Water Resources Research</i> , 2013, 49, 3993-4004.	4.2	97

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91	Should we use a simple or complex model for moisture recycling and atmospheric moisture tracking?. Hydrology and Earth System Sciences, 2013, 17, 4869-4884.	4.9	108
92	Determining spatial variability of dry spells: a Markov-based method, applied to the Makanya catchment, Tanzania. Hydrology and Earth System Sciences, 2013, 17, 2161-2170.	4.9	13
93	A framework to assess the realism of model structures using hydrological signatures. Hydrology and Earth System Sciences, 2013, 17, 1893-1912.	4.9	197
94	The effect of spatial throughfall patterns on soil moisture patterns at the hillslope scale. Hydrology and Earth System Sciences, 2013, 17, 1749-1763.	4.9	42
95	What can flux tracking teach us about water age distribution patterns and their temporal dynamics?. Hydrology and Earth System Sciences, 2013, 17, 533-564.	4.9	217
96	Asymptotic behavior of tidal damping in alluvial estuaries. Journal of Geophysical Research: Oceans, 2013, 118, 6107-6122.	2.6	6
97	An approach to identify time consistent model parameters: sub-period calibration. Hydrology and Earth System Sciences, 2013, 17, 149-161.	4.9	98
98	Influence of River Discharge and Dredging on Tidal Wave Propagation: Modaomen Estuary Case. Journal of Hydraulic Engineering, 2012, 138, 885-896.	1.5	63
99	The importance of proper hydrology in the forest coverâ€water yield debate: commentary on Ellison <i>et al</i> . (2012) <i>Global Change Biology</i> , 18, 806â€820. Global Change Biology, 2012, 18, 2677-2680.	9.5	12
100	Can ASCAT-derived soil wetness indices reduce predictive uncertainty in well-gauged areas? A comparison with in situ observed soil moisture in an assimilation application. Advances in Water Resources, 2012, 44, 49-65.	3.8	63
101	Inferring catchment precipitation by doing hydrology backward: A test in 24 small and mesoscale catchments in Luxembourg. Water Resources Research, 2012, 48, .	4.2	29
102	A new analytical framework for assessing the effect of seaâ€level rise and dredging on tidal damping in estuaries. Journal of Geophysical Research, 2012, 117, .	3.3	55
103	Water abstraction along the lower Yangtze River, China, and its impact on water discharge into the estuary. Physics and Chemistry of the Earth, 2012, 47-48, 76-85.	2.9	29
104	Watershed development practices for ecorestoration in a tribal area â€ A case study in Attappady hills, South India. Physics and Chemistry of the Earth, 2012, 47-48, 58-63.	2.9	6
105	Coir geotextile for slope stabilization and cultivation â€ A case study in a highland region of Kerala, South India. Physics and Chemistry of the Earth, 2012, 47-48, 135-138.	2.9	22
106	Analyzing precipitationsheds to understand the vulnerability of rainfall dependent regions. Biogeosciences, 2012, 9, 733-746.	3.3	135
107	An analytical model for soil-atmosphere feedback. Hydrology and Earth System Sciences, 2012, 16, 1863-1878.	4.9	11
108	An analytical solution for tidal propagation in the Yangtze Estuary, China. Hydrology and Earth System Sciences, 2012, 16, 3327-3339.	4.9	48

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109	Impacts of conservation tillage on the hydrological and agronomic performance of <i>Fanya juus</i> in the upper Blue Nile (Abbay) river basin. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 4725-4735.	4.9	48
110	A Parsimonious Hydrological Model for a Data Scarce Dryland Region. <i>Water Resources Management</i> , 2012, 26, 909-926.	3.9	16
111	On the potential of MetOp ASCAT-derived soil wetness indices as a new aperture for hydrological monitoring and prediction: a field evaluation over Luxembourg. <i>Hydrological Processes</i> , 2012, 26, 2346-2359.	2.6	46
112	Socio-hydrology: A new science of people and water. <i>Hydrological Processes</i> , 2012, 26, 1270-1276.	2.6	822
113	Revisiting linearized one-dimensional tidal propagation. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	43
114	Quantifying hyporheic exchange at high spatial resolution using natural temperature variations along a first-order stream. <i>Water Resources Research</i> , 2011, 47, .	4.2	57
115	Elements of a flexible approach for conceptual hydrological modeling: 1. Motivation and theoretical development. <i>Water Resources Research</i> , 2011, 47, .	4.2	269
116	The effect of system innovations on water productivity in subsistence rainfed agricultural systems in semi-arid Tanzania. <i>Agricultural Water Management</i> , 2011, 98, 1696-1703.	5.6	47
117	Towards an automated SAR-based flood monitoring system: Lessons learned from two case studies. <i>Physics and Chemistry of the Earth</i> , 2011, 36, 241-252.	2.9	356
118	On the value of combined event runoff and tracer analysis to improve understanding of catchment functioning in a data-scarce semi-arid area. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 2007-2024.	4.9	72
119	Assimilating SAR-derived water level data into a hydraulic model: a case study. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 2349-2365.	4.9	129
120	Corrigendum to "A distributed stream temperature model using high resolution temperature observations" published in <i>Hydrol. Earth Syst. Sci.</i> , 11, 1469-1480, 2007. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 3091-3091.	4.9	1
121	Hydrological landscape classification: investigating the performance of HAND based landscape classifications in a central European meso-scale catchment. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 3275-3291.	4.9	121
122	Quantifying spatial and temporal discharge dynamics of an event in a first order stream, using distributed temperature sensing. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 1945-1957.	4.9	18
123	Water balance modeling of Upper Blue Nile catchments using a top-down approach. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 2179-2193.	4.9	90
124	Length and time scales of atmospheric moisture recycling. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 1853-1863.	4.9	163
125	Water valuation at basin scale with application to western India. <i>Ecological Economics</i> , 2011, 70, 2416-2428.	5.7	20
126	Analytical solution for salt intrusion in the Yangtze Estuary, China. <i>Estuarine, Coastal and Shelf Science</i> , 2011, 91, 492-501.	2.1	91

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127	Forest Floor Interception. <i>Ecological Studies</i> , 2011, , 445-454.	1.2	23
128	Quantifying the effect of in-stream rock clasts on the retardation of heat along a stream. <i>Advances in Water Resources</i> , 2010, 33, 1417-1425.	3.8	29
129	Assessing the impact of mixing assumptions on the estimation of streamwater mean residence time. <i>Hydrological Processes</i> , 2010, 24, 1730-1741.	2.6	83
130	Spatial and temporal variability of canopy and forest floor interception in a beech forest. <i>Hydrological Processes</i> , 2010, 24, 3011-3025.	2.6	188
131	Towards the sequential assimilation of SAR-derived water stages into hydraulic models using the Particle Filter: proof of concept. <i>Hydrology and Earth System Sciences</i> , 2010, 14, 1773-1785.	4.9	133
132	HESS Opinions "Topography driven conceptual modelling (FLEX-Topo)". <i>Hydrology and Earth System Sciences</i> , 2010, 14, 2681-2692.	4.9	145
133	Modelling field scale water partitioning using on-site observations in sub-Saharan rainfed agriculture. <i>Hydrology and Earth System Sciences</i> , 2010, 14, 627-638.	4.9	19
134	Origin and fate of atmospheric moisture over continents. <i>Water Resources Research</i> , 2010, 46, .	4.2	586
135	Water Storage in Africa from the Optimised GRACE Monthly Models: Iterative Approach. <i>International Association of Geodesy Symposia</i> , 2010, , 579-586.	0.4	0
136	Anomaly in the rainfall-runoff behaviour of the Meuse catchment. <i>Climate, land-use, or land-use management?</i> . <i>Hydrology and Earth System Sciences</i> , 2009, 13, 1727-1737.	4.9	18
137	HESS Opinions "The art of hydrology"*. <i>Hydrology and Earth System Sciences</i> , 2009, 13, 157-161.	4.9	139
138	The water footprint of bioenergy from <i>Jatropha curcas</i> L.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, E92-E92.	7.1	44
139	Investigating the water balance of on-farm techniques for improved crop productivity in rainfed systems: A case study of Makanya catchment, Tanzania. <i>Physics and Chemistry of the Earth</i> , 2009, 34, 93-98.	2.9	39
140	On the calibration of hydrological models in ungauged basins: A framework for integrating hard and soft hydrological information. <i>Water Resources Research</i> , 2009, 45, .	4.2	162
141	Analytical derivation of the Budyko curve based on rainfall characteristics and a simple evaporation model. <i>Water Resources Research</i> , 2009, 45, .	4.2	179
142	Simulating Climate Impacts on Water Resources: Experience from the Okavango River, Southern Africa. <i>Water Science and Technology Library</i> , 2009, , 243-265.	0.3	3
143	Spatial rainfall variability and runoff response during an extreme event in a semi-arid catchment in the South Pare Mountains, Tanzania. <i>Hydrology and Earth System Sciences</i> , 2009, 13, 1659-1670.	4.9	26
144	Hydrological Impacts of Flood Storage and Management on Irrigation Water Abstraction in Upper Ewaso Ng&eacron;ro River Basin, Kenya. <i>Water Resources Management</i> , 2008, 22, 1859-1879.	3.9	25

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145	A Comparison of Global and Regional GRACE Models for Land Hydrology. <i>Surveys in Geophysics</i> , 2008, 29, 335-359.	4.6	54
146	Preface to the Special Issue on "Hydrology from Space". <i>Surveys in Geophysics</i> , 2008, 29, 241-245.	4.6	2
147	Time to break the silence around virtual-water imports. <i>Nature</i> , 2008, 453, 587-587.	27.8	30
148	China's move to higher-meat diet hits water security. <i>Nature</i> , 2008, 454, 397-397.	27.8	77
149	The design of an optimal filter for monthly GRACE gravity models. <i>Geophysical Journal International</i> , 2008, 175, 417-432.	2.4	145
150	Using salt intrusion measurements to determine the freshwater discharge distribution over the branches of a multi-channel estuary: The Mekong Delta case. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 77, 433-445.	2.1	81
151	New analytical equation for dispersion in estuaries with a distinct ebb-flood channel system. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 79, 7-16.	2.1	14
152	Understanding catchment behavior through stepwise model concept improvement. <i>Water Resources Research</i> , 2008, 44, .	4.2	178
153	Analytical description of tidal dynamics in convergent estuaries. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	106
154	Long-term morphodynamic evolution and energy dissipation in a coastal plain, tidal embayment. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	71
155	Learning from model improvement: On the contribution of complementary data to process understanding. <i>Water Resources Research</i> , 2008, 44, .	4.2	184
156	Determinants of tillage frequency among smallholder farmers in two semi-arid areas in Ethiopia. <i>Physics and Chemistry of the Earth</i> , 2008, 33, 183-191.	2.9	65
157	Hydrograph separation using hydrochemical tracers in the Makanya catchment, Tanzania. <i>Physics and Chemistry of the Earth</i> , 2008, 33, 151-156.	2.9	52
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