

Nick van de Giesen

List of Publications by Year in descending order

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Version: 2024-02-01

227
papers

10,514
citations

38742

50
h-index

43889

91
g-index

307
all docs

307
docs citations

307
times ranked

10759
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear model predictive control of salinity and water level in polder networks: Case study of Lissertocht catchment. <i>Agricultural Water Management</i> , 2022, 264, 107502.	5.6	5
2	Extrapolating continuous vegetation water content to understand sub-daily backscatter variations. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 1223-1241.	4.9	4
3	A Field Calibration Solution to Achieve High-Grade-Level Performance for Low-Cost Dual-Frequency GNSS Receiver and Antennas. <i>Sensors</i> , 2022, 22, 2267.	3.8	10
4	The relations between farmers's land tenure security and agriculture production. An assessment in the perspective of smallholder farmers in Rwanda. <i>Land Use Policy</i> , 2022, 118, 106122.	5.6	11
5	Inter-Annual and Seasonal Variability of Flows: Delivering Climate-Smart Environmental Flow Reference Values. <i>Water (Switzerland)</i> , 2022, 14, 1489.	2.7	3
6	ERA5 and ERA-Interim Data Processing for the GlobWat Global Hydrological Model. <i>Water (Switzerland)</i> , 2022, 14, 1950.	2.7	1
7	The eWaterCycle platform for open and FAIR hydrological collaboration. <i>Geoscientific Model Development</i> , 2022, 15, 5371-5390.	3.6	8
8	Integrative technology hubs for urban food-energy-water nexuses and cost-benefit-risk tradeoffs (I): Global trend and technology metrics. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 1397-1442.	12.8	3
9	Integrative technology hubs for urban food-energy-water nexuses and cost-benefit-risk tradeoffs (II): Design strategies for urban sustainability. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 1533-1583.	12.8	7
10	The water use of heating pathways to 2050: analysis of national and urban energy scenarios. <i>Environmental Research Letters</i> , 2021, 16, 055031.	5.2	2
11	Towards Underwater Macroplastic Monitoring Using Echo Sounding. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	26
12	Something fishy going on? Evaluating the Poisson hypothesis for rainfall estimation using intervalometers: results from an experiment in Tanzania. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 5607-5623.	3.1	1
13	The International Soil Moisture Network: serving Earth system science for over a decade. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 5749-5804.	4.9	116
14	Spatial and Time Warping for Gauge Adjustment of Rainfall Estimates. <i>Atmosphere</i> , 2021, 12, 1510.	2.3	1
15	Comparison of Rainfall Products over Sub-Saharan Africa. <i>Journal of Hydrometeorology</i> , 2020, 21, 553-596.	1.9	61
16	Confidence curves for change points in hydrometeorological time series. <i>Journal of Hydrology</i> , 2020, 590, 125503.	5.4	3
17	Peak grain forecasts for the US High Plains amid withering waters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26145-26150.	7.1	12
18	A Local Particle Filter Using Gamma Test Theory for High-Dimensional State Spaces. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2020MS002130.	3.8	0

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19	Multi-Objective Model Predictive Control for Real-Time Operation of a Multi-Reservoir System. <i>Water (Switzerland)</i> , 2020, 12, 1898.	2.7	19
20	Homogenization of the terrestrial water cycle. <i>Nature Geoscience</i> , 2020, 13, 656-658.	12.9	242
21	Enhanced potential ecological risk induced by a large scale water diversion project. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020, 34, 2125-2138.	4.0	14
22	Development of a Preliminary-Risk-Based Flood Management Approach to Address the Spatiotemporal Distribution of Risk under the Kaldor's Hicks Compensation Principle. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 9045.	2.5	1
23	A Critical Review of Flood Risk Management and the Selection of Suitable Measures. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8752.	2.5	34
24	A Methodology for Multiobjective Evaluation of Precipitation Products for Extreme Weather (in a Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.9	2
25	High Quality Zenith Tropospheric Delay Estimation Using a Low-Cost Dual-Frequency Receiver and Relative Antenna Calibration. <i>Remote Sensing</i> , 2020, 12, 1393.	4.0	28
26	Performance of ERA5 data in retrieving Precipitable Water Vapour over East African tropical region. <i>Advances in Space Research</i> , 2020, 65, 1877-1893.	2.6	51
27	An Engineering Perspective of Water Sharing Issues in Pakistan. <i>Water (Switzerland)</i> , 2020, 12, 477.	2.7	28
28	Precipitation Regime Classification Based on Cloud-Top Temperature Time Series for Spatially-Variied Parameterization of Precipitation Models. <i>Remote Sensing</i> , 2020, 12, 289.	4.0	2
29	Human activities have changed the shapes of river deltas. <i>Nature</i> , 2020, 577, 473-474.	27.8	9
30	Advancing ecohydrology in the 21st century: A convergence of opportunities. <i>Ecohydrology</i> , 2020, 13, e2208.	2.4	34
31	Urban River Water Level Increase Through Plastic Waste Accumulation at a Rack Structure. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	59
32	Lessons in New Measurement Technologies: From Instrumenting Trees to the Trans-African Hydrometeorological Observatory. <i>Ecological Studies</i> , 2020, , 131-144.	1.2	3
33	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
34	Suitability of 17 gridded rainfall and temperature datasets for large-scale hydrological modelling in West Africa. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 5379-5406.	4.9	48
35	Critical rainfall thresholds for urban pluvial flooding inferred from citizen observations. <i>Science of the Total Environment</i> , 2019, 689, 258-268.	8.0	25
36	A Low-Cost Water Quality Monitoring System for the Ayeyarwady River in Myanmar Using a Participatory Approach. <i>Water (Switzerland)</i> , 2019, 11, 1984.	2.7	11

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37	Variability and accuracy of Zenith Total Delay over the East African tropical region. <i>Advances in Space Research</i> , 2019, 64, 900-920.	2.6	15
38	A Greedy Algorithm for Optimal Sensor Placement to Estimate Salinity in Polder Networks. <i>Water (Switzerland)</i> , 2019, 11, 1101.	2.7	8
39	Citizen science flow “ an assessment of simple streamflow measurement methods. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 1045-1065.	4.9	28
40	Soda Bottle Science“Citizen Science Monsoon Precipitation Monitoring in Nepal. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	28
41	The Influence of Rainfall and Catchment Critical Scales on Urban Hydrological Response Sensitivity. <i>Water Resources Research</i> , 2019, 55, 3375-3390.	4.2	35
42	Correcting Position Error in Precipitation Data Using Image Morphing. <i>Remote Sensing</i> , 2019, 11, 2557.	4.0	5
43	Nighttime Cooling of an Urban Pond. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	18
44	The effects of small water surfaces on turbulent flow in the atmospheric boundary layer: URANS approach implemented in OpenFOAM. <i>Environmental Modelling and Software</i> , 2018, 101, 268-288.	4.5	4
45	Measurements and Observations in the XXI century (MOXXI): innovation and multi-disciplinarity to sense the hydrological cycle. <i>Hydrological Sciences Journal</i> , 2018, 63, 169-196.	2.6	151
46	Global impacts of the meat trade on in-stream organic river pollution: the importance of spatially distributed hydrological conditions. <i>Environmental Research Letters</i> , 2018, 13, 014013.	5.2	9
47	Ideas and perspectives: Tree“atmosphere interaction responds to water-related stem variations. <i>Biogeosciences</i> , 2018, 15, 6439-6449.	3.3	9
48	eWaterCycle II. , 2018, , .		1
49	Tree Sway Time Series of 7 Amazon Tree Species (July 2015“May 2016). <i>Frontiers in Earth Science</i> , 2018, 6, .	1.8	1
50	Potential of Cost-Efficient Single Frequency GNSS Receivers for Water Vapor Monitoring. <i>Remote Sensing</i> , 2018, 10, 1493.	4.0	25
51	Skin Effect of Fresh Water Measured Using Distributed Temperature Sensing. <i>Water (Switzerland)</i> , 2018, 10, 214.	2.7	9
52	Critical scales to explain urban hydrological response: an application in Cranbrook, London. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 2425-2447.	4.9	15
53	An axisymmetric non-hydrostatic model for double-diffusive water systems. <i>Geoscientific Model Development</i> , 2018, 11, 521-540.	3.6	1
54	Deduction of reservoir operating rules for application in global hydrological models. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 831-851.	4.9	38

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55	Uchimizu: A Cool(ing) Tradition to Locally Decrease Air Temperature. <i>Water (Switzerland)</i> , 2018, 10, 741.	2.7	8
56	Quantifying the connectionsâ€™linkages between land-use and water in the Kathmandu Valley, Nepal. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 304.	2.7	24
57	Monitoring land subsidence in Yangon, Myanmar using Sentinel-1 persistent scatterer interferometry and assessment of driving mechanisms. <i>Remote Sensing of Environment</i> , 2018, 217, 101-110.	11.0	40
58	Removal efficiency of storm water treatment techniques: standardized full scale laboratory testing. <i>Urban Water Journal</i> , 2017, 14, 255-262.	2.1	10
59	Dielectric Response of Corn Leaves to Water Stress. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017, 14, 8-12.	3.1	22
60	Organic pollution of rivers: Combined threats of urbanization, livestock farming and global climate change. <i>Scientific Reports</i> , 2017, 7, 43289.	3.3	167
61	A Shazam-like Household Water Leakage Detection Method. <i>Procedia Engineering</i> , 2017, 186, 452-459.	1.2	15
62	Comment on â€œMost computational hydrology is not reproducible, so is it really science?â€•by Christopher Hutton et al.: Let hydrologists learn the latest computer science by working with Research Software Engineers (RSEs) and not reinvent the waterwheel ourselves. <i>Water Resources Research</i> , 2017, 53, 4524-4526.	4.2	12
63	A framework to simulate small shallow inland water bodies in semi-arid regions. <i>Advances in Water Resources</i> , 2017, 110, 77-96.	3.8	5
64	Validation of IMERG Precipitation in Africa. <i>Journal of Hydrometeorology</i> , 2017, 18, 2817-2825.	1.9	95
65	Efficient multi-scenario Model Predictive Control for water resources management with ensemble streamflow forecasts. <i>Advances in Water Resources</i> , 2017, 109, 58-68.	3.8	37
66	Water stress detection in the Amazon using radar. <i>Geophysical Research Letters</i> , 2017, 44, 6841-6849.	4.0	25
67	The impact of an exhibition on risk awareness of the general public in mountainous areas. <i>International Journal of Disaster Risk Reduction</i> , 2017, 25, 36-59.	3.9	4
68	Effects of atmospheric stability conditions on heat fluxes from small water surfaces in (semi-)arid regions. <i>Hydrological Sciences Journal</i> , 2017, 62, 1422-1439.	2.6	10
69	Mapping Surface Heat Fluxes by Assimilating SMAP Soil Moisture and GOES Land Surface Temperature Data. <i>Water Resources Research</i> , 2017, 53, 10858-10877.	4.2	32
70	Continuity vs. the Crowdâ€™Tradeoffs Between Continuous and Intermittent Citizen Hydrology Streamflow Observations. <i>Environmental Management</i> , 2017, 60, 12-29.	2.7	19
71	Do green roofs cool the air?. <i>Building and Environment</i> , 2017, 111, 249-255.	6.9	84
72	Model Predictive Control for Water Level Control in the Case of Spills. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017, 143, .	1.0	4

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73	The Impacts of Heating Strategy on Soil Moisture Estimation Using Actively Heated Fiber Optics. <i>Sensors</i> , 2017, 17, 2102.	3.8	13
74	Measuring Tree Properties and Responses Using Low-Cost Accelerometers. <i>Sensors</i> , 2017, 17, 1098.	3.8	38
75	Spatial and temporal variability of rainfall and their effects on hydrological response in urban areas – a review. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 3859-3878.	4.9	192
76	Evaporation from cultivated and semi-wild Sudanian Savanna in west Africa. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 4149-4167.	4.9	6
77	Systematic high-resolution assessment of global hydropower potential. <i>PLoS ONE</i> , 2017, 12, e0171844.	2.5	111
78	Practical considerations for enhanced-resolution coil-wrapped distributed temperature sensing. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2016, 5, 151-162.	1.6	16
79	Investigation of Temperature Dynamics in Small and Shallow Reservoirs, Case Study: Lake Binaba, Upper East Region of Ghana. <i>Water (Switzerland)</i> , 2016, 8, 84.	2.7	22
80	A 30 m Resolution Surface Water Mask Including Estimation of Positional and Thematic Differences Using Landsat 8, SRTM and OpenStreetMap: A Case Study in the Murray-Darling Basin, Australia. <i>Remote Sensing</i> , 2016, 8, 386.	4.0	140
81	Determining soil moisture and soil properties in vegetated areas by assimilating soil temperatures. <i>Water Resources Research</i> , 2016, 52, 4280-4300.	4.2	32
82	Estimating surface turbulent heat fluxes from land surface temperature and soil moisture observations using the particle batch smoother. <i>Water Resources Research</i> , 2016, 52, 9086-9108.	4.2	26
83	Decision support method to systematically evaluate first-level inspections of the functional status of check dams. <i>Structure and Infrastructure Engineering</i> , 2016, , 1-18.	3.7	3
84	Can urban pluvial flooding be predicted by open spatial data and weather data?. <i>Environmental Modelling and Software</i> , 2016, 85, 156-171.	4.5	25
85	Mapping high-resolution soil moisture and properties using distributed temperature sensing data and an adaptive particle batch smoother. <i>Water Resources Research</i> , 2016, 52, 7690-7710.	4.2	16
86	Earth's surface water change over the past 30 years. <i>Nature Climate Change</i> , 2016, 6, 810-813.	18.8	301
87	Determining water reservoir characteristics with global elevation data. <i>Geophysical Research Letters</i> , 2016, 43, 11,278.	4.0	19
88	Three-dimensional dense distributed temperature sensing for measuring layered thermohaline systems. <i>Water Resources Research</i> , 2016, 52, 6656-6670.	4.2	11
89	The eWaterCycle project. , 2016, , .		0
90	Estimating soil moisture and soil thermal and hydraulic properties by assimilating soil temperatures using a particle batch smoother. <i>Advances in Water Resources</i> , 2016, 91, 104-116.	3.8	22

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91	Observed Soil Moisture–Precipitation Feedback in Illinois: A Systematic Analysis over Different Scales. <i>Journal of Hydrometeorology</i> , 2016, 17, 1645-1660.	1.9	31
92	Reduction of Used Memory Ensemble Kalman Filtering (RumEnKF): A data assimilation scheme for memory intensive, high performance computing. <i>Advances in Water Resources</i> , 2015, 86, 273-283.	3.8	9
93	Peer review report 2 On ‘Sensitivity of Summer Stream Temperatures to Climate Variability and Riparian Reforestation Strategies’. <i>Journal of Hydrology: Regional Studies</i> , 2015, 3, 125-126.	2.4	0
94	Hyper-resolution global hydrological modelling: what is next?. <i>Hydrological Processes</i> , 2015, 29, 310-320.	2.6	280
95	GlobWat ‘ a global water balance model to assess water use in irrigated agriculture. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 3829-3844.	4.9	70
96	On the sensitivity of urban hydrodynamic modelling to rainfall spatial and temporal resolution. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 691-709.	4.9	96
97	The Influence of a Eutrophic Lake to the River Downstream: Spatiotemporal Algal Composition Changes and the Driving Factors. <i>Water (Switzerland)</i> , 2015, 7, 2184-2201.	2.7	26
98	Spatial Distribution of Flood Incidents Along Urban Overland Flow-Paths. <i>Water Resources Management</i> , 2015, 29, 3387-3399.	3.9	17
99	A particle batch smoother for soil moisture estimation using soil temperature observations. <i>Advances in Water Resources</i> , 2015, 83, 111-122.	3.8	47
100	A comparison between leaf dielectric properties of stressed and unstressed tomato plants. , 2015, , .		12
101	Weighted Bankruptcy Rules and Transboundary Water Resources Allocation. <i>Water Resources Management</i> , 2015, 29, 2303-2321.	3.9	49
102	Impact of Diurnal Variation in Vegetation Water Content on Radar Backscatter From Maize During Water Stress. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 3855-3869.	6.3	61
103	Floodplain wetland mapping in the White Volta River Basin of Ghana. <i>GIScience and Remote Sensing</i> , 2015, 52, 374-395.	5.9	13
104	Fiber optic distributed temperature sensing for the determination of air temperature. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 335-339.	3.1	45
105	Determining soil moisture by assimilating soil temperature measurements using the Ensemble Kalman Filter. <i>Advances in Water Resources</i> , 2015, 86, 340-353.	3.8	25
106	Highly parameterized inversion of groundwater reactive transport for a complex field site. <i>Journal of Contaminant Hydrology</i> , 2015, 173, 38-58.	3.3	15
107	Operational flood control of a low-lying delta system using large time step Model Predictive Control. <i>Advances in Water Resources</i> , 2015, 75, 1-13.	3.8	24
108	Remotely Sensed Monitoring of Small Reservoir Dynamics: A Bayesian Approach. <i>Remote Sensing</i> , 2014, 6, 1191-1210.	4.0	36

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109	Evaluating the Infiltration Performance of Eight Dutch Permeable Pavements Using a New Full-Scale Infiltration Testing Method. <i>Water (Switzerland)</i> , 2014, 6, 2070-2083.	2.7	36
110	Inference of reactive transport model parameters using a Bayesian multivariate approach. <i>Water Resources Research</i> , 2014, 50, 6406-6427.	4.2	4
111	Stormwater Quality Characteristics in (Dutch) Urban Areas and Performance of Settlement Basins. <i>Challenges</i> , 2014, 5, 112-122.	1.7	24
112	Development of a risk-based framework to integrate flood insurance. <i>Journal of Flood Risk Management</i> , 2014, 7, 291-307.	3.3	20
113	Application of the Ordered Weighted Averaging (OWA) method to the Caspian Sea conflict. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014, 28, 1359.	4.0	29
114	The Trans-African Hydro-Meteorological Observatory (<sc>TAHMO</sc>). <i>Wiley Interdisciplinary Reviews: Water</i> , 2014, 1, 341-348.	6.5	102
115	Short-term optimal operation of water systems using ensemble forecasts. <i>Advances in Water Resources</i> , 2014, 71, 200-208.	3.8	66
116	A new bankruptcy method for conflict resolution in water resources allocation. <i>Journal of Environmental Management</i> , 2014, 144, 152-159.	7.8	74
117	Comment on "Capabilities and limitations of tracing spatial temperature patterns by fiber-optic distributed temperature sensing" by Liliana Rose et al.. <i>Water Resources Research</i> , 2014, 50, 5372-5374.	4.2	24
118	Mapping variability of soil water content and flux across 1-1000 m scales using the <sc>FACTIVE</sc> <sc>HF</sc> <sc>FO</sc> fiber-optic method. <i>Water Resources Research</i> , 2014, 50, 7302-7317.	4.2	65
119	Interactive Water Services: The WATERNOMICS Approach. <i>Procedia Engineering</i> , 2014, 89, 1058-1065.	1.2	9
120	Model reduction in model predictive control of combined water quantity and quality in open channels. <i>Environmental Modelling and Software</i> , 2013, 42, 72-87.	4.5	25
121	The influence of hard substratum reflection and calibration profiles on in situ fluorescence measurements of benthic microalgal biomass. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 783.	3.5	13
122	An information-theoretical perspective on weighted ensemble forecasts. <i>Journal of Hydrology</i> , 2013, 498, 177-190.	5.4	9
123	Scenario development for water resource planning and management: A review. <i>Technological Forecasting and Social Change</i> , 2013, 80, 749-761.	11.6	86
124	Tree structure generation from ensemble forecasts for real time control. <i>Hydrological Processes</i> , 2013, 27, 75-82.	2.6	22
125	HydroZIP: How Hydrological Knowledge can Be Used to Improve Compression of Hydrological Data. <i>Entropy</i> , 2013, 15, 1289-1310.	2.2	20
126	Medicinal footprint of the population of the Rhine basin. <i>Environmental Research Letters</i> , 2013, 8, 044057.	5.2	6

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127	Measuring heat balance residual at lake surface using Distributed Temperature Sensing. <i>Limnology and Oceanography: Methods</i> , 2013, 11, 79-90.	2.0	35
128	Data compression to define information content of hydrological time series. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 3171-3187.	4.9	19
129	PROBABILISTIC SCENARIO DEVELOPMENT TO ESTIMATE FUTURE RUNOFF IN THE YELLOW RIVER BASIN, CHINA. <i>Environmental Engineering and Management Journal</i> , 2013, 12, 1457-1463.	0.6	0
130	Using Diurnal Variation in Backscatter to Detect Vegetation Water Stress. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012, 50, 2618-2629.	6.3	62
131	Heated Optical Fiber for Distributed Soil Moisture Measurements: A Lysimeter Experiment. <i>Vadose Zone Journal</i> , 2012, 11, vzt2011.0199.	2.2	77
132	De Saint-Venant equations-based model assessment in model predictive control of open channel flow. <i>Advances in Water Resources</i> , 2012, 49, 37-45.	3.8	31
133	Learning from Collaborative Research in Water Management Practice. <i>Water Resources Management</i> , 2012, 26, 3251-3266.	3.9	24
134	Diurnal Differences in Global ERS Scatterometer Backscatter Observations of the Land Surface. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012, 50, 2595-2602.	6.3	37
135	Carbon monoxide as a tracer of gas transport in snow and other natural porous media. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	13
136	Reply to comment by Keith J. Beven and Hannah L. Cloke on "Hyperresolution global land surface modeling: Meeting a grand challenge for monitoring Earth's terrestrial water". <i>Water Resources Research</i> , 2012, 48, .	4.2	26
137	Steenhuis receives 2011 International Award: Citation. <i>Eos</i> , 2012, 93, 35-35.	0.1	1
138	Floods and flood management in Pakistan. <i>Physics and Chemistry of the Earth</i> , 2012, 47-48, 11-20.	2.9	109
139	Double-Ended Calibration of Fiber-Optic Raman Spectra Distributed Temperature Sensing Data. <i>Sensors</i> , 2012, 12, 5471-5485.	3.8	167
140	Urban vulnerability to pluvial flooding. , 2012, , .		1
141	Accounting for Observational Uncertainty in Forecast Verification: An Information-Theoretical View on Forecasts, Observations, and Truth. <i>Monthly Weather Review</i> , 2011, 139, 2156-2162.	1.4	28
142	Shade estimation over streams using distributed temperature sensing. <i>Water Resources Research</i> , 2011, 47, .	4.2	27
143	Hyperresolution global land surface modeling: Meeting a grand challenge for monitoring Earth's terrestrial water. <i>Water Resources Research</i> , 2011, 47, .	4.2	634
144	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

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145	Influence of Tree Age and Variety on Allometric Characteristics and Water Use of <i>Mangifera indica</i> L. Growing in Plantation. <i>Journal of Botany</i> , 2011, 2011, 1-8.	1.2	4
146	Scale effects in Hortonian surface runoff on agricultural slopes in West Africa: Field data and models. <i>Agriculture, Ecosystems and Environment</i> , 2011, 142, 95-101.	5.3	39
147	A relation between extreme daily precipitation and extreme short term precipitation. <i>Climatic Change</i> , 2011, 106, 393-405.	3.6	7
148	Designing and evaluating control systems of the Dez main canal. <i>Irrigation and Drainage</i> , 2011, 60, 70-79.	1.7	25
149	On the study of control effectiveness and computational efficiency of reduced Saint-Venant model in model predictive control of open channel flow. <i>Advances in Water Resources</i> , 2011, 34, 282-290.	3.8	42
150	Scenario development for decision-making in water resources planning and management. , 2011, , .		0
151	Seasonal Variation of Temporal Patterns of Water Flux in a Cashew Orchard Under Sub-humid Tropical Conditions. <i>Journal of Crop Improvement</i> , 2011, 25, 504-520.	1.7	1
152	Calibrating Single-Ended Fiber-Optic Raman Spectra Distributed Temperature Sensing Data. <i>Sensors</i> , 2011, 11, 10859-10879.	3.8	205
153	Understanding Heat Transfer in the Shallow Subsurface Using Temperature Observations. <i>Vadose Zone Journal</i> , 2010, 9, 1034-1045.	2.2	16
154	Identification of resonance waves in open water channels. <i>Control Engineering Practice</i> , 2010, 18, 863-872.	5.5	36
155	Why hydrological predictions should be evaluated using information theory. <i>Hydrology and Earth System Sciences</i> , 2010, 14, 2545-2558.	4.9	99
156	Comparison of implicit and explicit connection of fast- and slow-flowing components of a water system. <i>Hydrological Sciences Journal</i> , 2010, 55, 1249-1249.	2.6	0
157	Comparison of implicit and explicit connection of fast- and slow-flowing components of a water system. <i>Hydrological Sciences Journal</i> , 2010, 55, 287-302.	2.6	0
158	Real-time control of combined surface water quantity and quality: polder flushing. <i>Water Science and Technology</i> , 2010, 61, 869-878.	2.5	17
159	Feasibility of soil moisture monitoring with heated fiber optics. <i>Water Resources Research</i> , 2010, 46, .	4.2	173
160	Feasibility of soil moisture estimation using passive distributed temperature sensing. <i>Water Resources Research</i> , 2010, 46, .	4.2	130
161	Corruption of accuracy and efficiency of Markov chain Monte Carlo simulation by inaccurate numerical implementation of conceptual hydrologic models. <i>Water Resources Research</i> , 2010, 46, .	4.2	58
162	Productivity of irrigation technologies in the White Volta basin. <i>Physics and Chemistry of the Earth</i> , 2010, 35, 706-716.	2.9	20

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