

Remko Uijlenhoet

List of Publications by Year in descending order

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Version: 2024-02-01

158
papers

8,901
citations

38660

50
h-index

51492

86
g-index

233
all docs

233
docs citations

233
times ranked

8681
citing authors

#	ARTICLE	IF	CITATIONS
1	Rainfall retrieval algorithm for commercial microwave links: stochastic calibration. Atmospheric Measurement Techniques, 2022, 15, 485-502.	1.2	4
2	Large-Sample Evaluation of Radar Rainfall Nowcasting for Flood Early Warning. Water Resources Research, 2022, 58, .	1.7	16
3	A probabilistic climate change assessment for Europe. International Journal of Climatology, 2022, 42, 6699-6715.	1.5	4
4	Evaporation from a large lowland reservoir – observed dynamics and drivers during a warm summer. Hydrology and Earth System Sciences, 2022, 26, 2875-2898.	1.9	1
5	Sustainability characteristics of drinking water supply in the Netherlands. Drinking Water Engineering and Science, 2021, 14, 1-43.	0.8	1
6	Wildfire Smoke Particulate Matter Concentration Measurements Using Radio Links From Cellular Communication Networks. AGU Advances, 2021, 2, e2020AV000258.	2.3	7
7	Daily flow simulation in Thailand Part II: Unraveling effects of reservoir operation. Journal of Hydrology: Regional Studies, 2021, 34, 100792.	1.0	3
8	Unsaturated zone model complexity for the assimilation of evapotranspiration rates in groundwater modelling. Hydrology and Earth System Sciences, 2021, 25, 2261-2277.	1.9	6
9	Rainfall-induced attenuation correction for two operational dual-polarization C-band radars in the Netherlands. Journal of Atmospheric and Oceanic Technology, 2021, , .	0.5	1
10	A comprehensive five-year evaluation of IMERG Late Run precipitation estimates over the Netherlands. Journal of Hydrometeorology, 2021, , .	0.7	4
11	Rainfall spatio-temporal correlation and intermittency structure from micro- $\hat{1}^3$ to meso- $\hat{1}^2$ scale in the Netherlands. Journal of Hydrometeorology, 2021, , .	0.7	3
12	Tropical rainfall monitoring with commercial microwave links in Sri Lanka. Environmental Research Letters, 2021, 16, 074058.	2.2	13
13	A climatological benchmark for operational radar rainfall bias reduction. Hydrology and Earth System Sciences, 2021, 25, 4061-4080.	1.9	8
14	Rainfall retrieval using commercial microwave links: Effect of sampling strategy on retrieval accuracy. Journal of Hydrology, 2021, 603, 126909.	2.3	10
15	Analysis of urban rainfall from hourly to seasonal scales using high-resolution radar observations in the Netherlands. International Journal of Climatology, 2020, 40, 822-840.	1.5	11
16	Hydrometeorological Monitoring Using Opportunistic Sensing Networks in the Amsterdam Metropolitan Area. Bulletin of the American Meteorological Society, 2020, 101, E167-E185.	1.7	29
17	Decomposing satellite-based rainfall errors in flood estimation: Hydrological responses using a spatiotemporal object-based verification method. Journal of Hydrology, 2020, 591, 125554.	2.3	10
18	Rainfall Nowcasting Using Commercial Microwave Links. Geophysical Research Letters, 2020, 47, e2020GL089365.	1.5	17

#	ARTICLE	IF	CITATIONS
19	ST-CORAbico: A Spatiotemporal Object-Based Bias Correction Method for Storm Prediction Detected by Satellite. <i>Remote Sensing</i> , 2020, 12, 3538.	1.8	2
20	Deep Learning for an Improved Prediction of Rainfall Retrievals From Commercial Microwave Links. <i>Water Resources Research</i> , 2020, 56, e2019WR026255.	1.7	20
21	Spatial and Temporal Evaluation of Radar Rainfall Nowcasting Techniques on 1,533 Events. <i>Water Resources Research</i> , 2020, 56, e2019WR026723.	1.7	33
22	Hydrological application of radar rainfall nowcasting in the Netherlands. <i>Environment International</i> , 2020, 136, 105431.	4.8	28
23	Advancing Precipitation Estimation, Prediction, and Impact Studies. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E1584-E1592.	1.7	14
24	Estimating raindrop size distributions using microwave link measurements: potential and limitations. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 1797-1815.	1.2	12
25	Optimization of rain gauge sampling density for river discharge prediction using Bayesian calibration. <i>PeerJ</i> , 2020, 8, e9558.	0.9	2
26	Full-Year Evaluation of Nonmeteorological Echo Removal with Dual-Polarization Fuzzy Logic for Two C-Band Radars in a Temperate Climate. <i>Journal of Atmospheric and Oceanic Technology</i> , 2020, 37, 1643-1660.	0.5	6
27	Rainfall Estimation Accuracy of a Nationwide Instantaneously Sampling Commercial Microwave Link Network: Error Dependency on Known Characteristics. <i>Journal of Atmospheric and Oceanic Technology</i> , 2019, 36, 1267-1283.	0.5	23
28	Quality Control for Crowdsourced Personal Weather Stations to Enable Operational Rainfall Monitoring. <i>Geophysical Research Letters</i> , 2019, 46, 8820-8829.	1.5	62
29	Contribution of potential evaporation forecasts to 10-day streamflow forecast skill for the Rhine River. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 1453-1467.	1.9	16
30	Evaluating seasonal hydrological extremes in mesoscale (pre-)Alpine basins at coarse 0.5° and fine hyperresolution. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 1593-1609.	1.9	4
31	Twenty-three unsolved problems in hydrology (UPH) – a community perspective. <i>Hydrological Sciences Journal</i> , 2019, 64, 1141-1158.	1.2	474
32	Spatiotemporal Analysis of Extreme Rainfall Events Using an Object-Based Approach. , 2019, , 95-112.		3
33	Effect of disdrometer type on rain drop size distribution characterisation: a new dataset for south-eastern Australia. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 4737-4761.	1.9	28
34	Subjective modeling decisions can significantly impact the simulation of flood and drought events. <i>Journal of Hydrology</i> , 2019, 568, 1093-1104.	2.3	37
35	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.	1.2	151
36	Impact of Changes in Groundwater Extractions and Climate Change on Groundwater-Dependent Ecosystems in a Complex Hydrogeological Setting. <i>Water Resources Management</i> , 2018, 32, 259-272.	1.9	48

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37	The Hupsel Brook Catchment: Insights from Five Decades of Lowland Observations. <i>Vadose Zone Journal</i> , 2018, 17, 180056.	1.3	5
38	Cover Image, Volume 5, Issue 4. <i>Wiley Interdisciplinary Reviews: Water</i> , 2018, 5, e1301.	2.8	0
39	High-Resolution Simulation Study Exploring the Potential of Radars, Crowdsourced Personal Weather Stations, and Commercial Microwave Links to Monitor Small-Scale Urban Rainfall. <i>Water Resources Research</i> , 2018, 54, 10,293.	1.7	15
40	Anatomy of simultaneous flood peaks at a lowland confluence. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 5599-5613.	1.9	10
41	Confirmation of a Short-Time Expression for the Hydrograph Rising Limb of an Initially Dry Aquifer Using Laboratory Hillslope Outflow Experiments. <i>Water Resources Research</i> , 2018, 54, 10,350.	1.7	2
42	Satellite and In Situ Observations for Advancing Global Earth Surface Modelling: A Review. <i>Remote Sensing</i> , 2018, 10, 2038.	1.8	95
43	Opportunistic remote sensing of rainfall using microwave links from cellular communication networks. <i>Wiley Interdisciplinary Reviews: Water</i> , 2018, 5, e1289.	2.8	72
44	Rainfall Monitoring Using Microwave Links from Cellular Communication Networks: The Dutch Experience. , 2018, , .		6
45	Spatial resolutions in areal rainfall estimation and their impact on hydrological simulations of a lowland catchment. <i>Journal of Hydrology</i> , 2018, 563, 319-335.	2.3	36
46	Mapping (dis)agreement in hydrologic projections. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 1775-1791.	1.9	59
47	Rainfall retrieval with commercial microwave links in São Paulo, Brazil. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 4465-4476.	1.2	30
48	A measurement campaign to assess sources of error in microwave link rainfall estimation. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 4645-4669.	1.2	37
49	Comment on "Most computational hydrology is not reproducible, so is it really science?" by Christopher Hutton et al.. <i>Water Resources Research</i> , 2017, 53, 2568-2569.	1.7	10
50	Amplification of wildfire area burnt by hydrological drought in the humid tropics. <i>Nature Climate Change</i> , 2017, 7, 428-431.	8.1	96
51	Rainfall measurement using cell phone links: classification of wet and dry periods using geostationary satellites. <i>Hydrological Sciences Journal</i> , 2017, 62, 1343-1353.	1.2	11
52	Crowdsourcing Urban Air Temperatures through Smartphone Battery Temperatures in São Paulo, Brazil. <i>Journal of Atmospheric and Oceanic Technology</i> , 2017, 34, 1853-1866.	0.5	39
53	Evaluation of Rainfall Products Derived From Satellites and Microwave Links for The Netherlands. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 6849-6859.	2.7	26
54	genRE: A Method to Extend Gridded Precipitation Climatology Data Sets in Near Real-Time for Hydrological Forecasting Purposes. <i>Water Resources Research</i> , 2017, 53, 9284-9303.	1.7	18

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55	Scaling, similarity, and the fourth paradigm for hydrology. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 3701-3713.	1.9	63
56	The future of Earth observation in hydrology. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 3879-3914.	1.9	313
57	The potential of urban rainfall monitoring with crowdsourced automatic weather stations in Amsterdam. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 765-777.	1.9	84
58	Hydrology of inland tropical lowlands: the Kapuas and Mahakam wetlands. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 2579-2594.	1.9	27
59	The evolution of process-based hydrologic models: historical challenges and the collective quest for physical realism. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 3427-3440.	1.9	177
60	Scaling, Similarity, and the Fourth Paradigm for Hydrology. , 2017, 21, 3701-3713.		7
61	Close-range radar rainfall estimation and error analysis. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 3837-3850.	1.2	18
62	Representation of spatial and temporal variability in large-domain hydrological models: case study for a mesoscale pre-Alpine basin. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 2207-2226.	1.9	64
63	Drought in a human-modified world: reframing drought definitions, understanding, and analysis approaches. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 3631-3650.	1.9	289
64	Retrieval algorithm for rainfall mapping from microwave links in a cellular communication network. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 2425-2444.	1.2	76
65	HESS Opinions: The need for process-based evaluation of large-domain hyper-resolution models. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 1069-1079.	1.9	47
66	First-Year Evaluation of GPM Rainfall over the Netherlands: IMERG Day 1 Final Run (V03D). <i>Journal of Hydrometeorology</i> , 2016, 17, 2799-2814.	0.7	83
67	Two and a half years of country-wide rainfall maps using radio links from commercial cellular telecommunication networks. <i>Water Resources Research</i> , 2016, 52, 8039-8065.	1.7	76
68	The effect of differences between rainfall measurement techniques on groundwater and discharge simulations in a lowland catchment. <i>Hydrological Processes</i> , 2016, 30, 3885-3900.	1.1	33
69	Drought in the Anthropocene. <i>Nature Geoscience</i> , 2016, 9, 89-91.	5.4	537
70	Improving Rainfall Measurement in Gauge Poor Regions Thanks to Mobile Telecommunication Networks. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, ES49-ES51.	1.7	51
71	Measurement and interpolation uncertainties in rainfall maps from cellular communication networks. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 3571-3584.	1.9	30
72	Operational aspects of asynchronous filtering for flood forecasting. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 2911-2924.	1.9	34

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73	The Wageningen Lowland Runoff Simulator (WALRUS): application to the Hupsel Brook catchment and the Cabauw polder. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 4007-4028.	1.9	33
74	Hillslope-scale experiment demonstrates the role of convergence during two-step saturation. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 3681-3692.	1.9	31
75	HyMeX: A 10-Year Multidisciplinary Program on the Mediterranean Water Cycle. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, 1063-1082.	1.7	288
76	Unified Formulation of Single- and Multimoment Normalizations of the Raindrop Size Distribution Based on the Gamma Probability Density Function. <i>Journal of Applied Meteorology and Climatology</i> , 2014, 53, 166-179.	0.6	13
77	The Wageningen Lowland Runoff Simulator (WALRUS): a lumped rainfall-runoff model for catchments with shallow groundwater. <i>Geoscientific Model Development</i> , 2014, 7, 2313-2332.	1.3	60
78	The impact of reflectivity correction and accounting for raindrop size distribution variability to improve precipitation estimation by weather radar for an extreme low-land mesoscale convective system. <i>Journal of Hydrology</i> , 2014, 519, 3410-3425.	2.3	9
79	Precipitation, soil moisture and runoff variability in a small river catchment (Ardèche, France) during HyMeX Special Observation Period 1. <i>Journal of Hydrology</i> , 2014, 516, 330-342.	2.3	38
80	Identification of changes in hydrological drought characteristics from a multi-GCM driven ensemble constrained by observed discharge. <i>Journal of Hydrology</i> , 2014, 512, 421-434.	2.3	81
81	Sensitivity of power functions to aggregation: Bias and uncertainty in radar rainfall retrieval. <i>Water Resources Research</i> , 2014, 50, 8050-8065.	1.7	6
82	Catchments as simple dynamical systems: A case study on methods and data requirements for parameter identification. <i>Water Resources Research</i> , 2014, 50, 5577-5596.	1.7	33
83	How climate seasonality modifies drought duration and deficit. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 4640-4656.	1.2	154
84	Distributed Evaluation of Local Sensitivity Analysis (DELSA), with application to hydrologic models. <i>Water Resources Research</i> , 2014, 50, 409-426.	1.7	123
85	Crowdsourcing urban air temperatures from smartphone battery temperatures. <i>Geophysical Research Letters</i> , 2013, 40, 4081-4085.	1.5	161
86	Identification and uncertainty estimation of vertical reflectivity profiles using a Lagrangian approach to support quantitative precipitation measurements by weather radar. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 10,243.	1.2	16
87	Global Multimodel Analysis of Drought in Runoff for the Second Half of the Twentieth Century. <i>Journal of Hydrometeorology</i> , 2013, 14, 1535-1552.	0.7	58
88	Country-wide rainfall maps from cellular communication networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2741-2745.	3.3	226
89	The importance of hydraulic groundwater theory in catchment hydrology: The legacy of Wilfried Brutsaert and Jean-Yves Parlange. <i>Water Resources Research</i> , 2013, 49, 5099-5116.	1.7	114
90	A data acquisition framework for runoff prediction in ungauged basins. , 2013, , 29-52.		11

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91	Investigating storage–discharge relations in a lowland catchment using hydrograph fitting, recession analysis, and soil moisture data. <i>Water Resources Research</i> , 2013, 49, 4257-4264.	1.7	42
92	Seasonal semi-variance of Dutch rainfall at hourly to daily scales. <i>Advances in Water Resources</i> , 2012, 45, 76-85.	1.7	37
93	Quantifying catchment–scale mixing and its effect on time-varying travel time distributions. <i>Water Resources Research</i> , 2012, 48, .	1.7	124
94	Estimation of rain kinetic energy from radar reflectivity and/or rain rate based on a scaling formulation of the raindrop size distribution. <i>Water Resources Research</i> , 2012, 48, .	1.7	6
95	Microwave links for rainfall estimation in an urban environment: Insights from an experimental setup in Luxembourg-City. <i>Journal of Hydrology</i> , 2012, 464-465, 69-78.	2.3	36
96	A generic method for hydrological drought identification across different climate regions. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 2437-2451.	1.9	61
97	State updating of a distributed hydrological model with Ensemble Kalman Filtering: effects of updating frequency and observation network density on forecast accuracy. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 3435-3449.	1.9	81
98	Generating spatial precipitation ensembles: impact of temporal correlation structure. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 3419-3434.	1.9	20
99	Path-Average Rainfall Estimation from Optical Extinction Measurements Using a Large-Aperture Scintillometer. <i>Journal of Hydrometeorology</i> , 2011, 12, 955-972.	0.7	16
100	Measuring urban rainfall using microwave links from commercial cellular communication networks. <i>Water Resources Research</i> , 2011, 47, .	1.7	133
101	Climatology of daily rainfall semi-variance in The Netherlands. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 171-183.	1.9	34
102	Anatomy of extraordinary rainfall and flash flood in a Dutch lowland catchment. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 1991-2005.	1.9	41
103	Radar rainfall estimation of stratiform winter precipitation in the Belgian Ardennes. <i>Water Resources Research</i> , 2011, 47, .	1.7	42
104	Scaling of raindrop size distributions and classification of radar reflectivity–rain rate relations in intense Mediterranean precipitation. <i>Journal of Hydrology</i> , 2011, 402, 179-192.	2.3	33
105	The effect of reported high-velocity small raindrops on inferred drop size distributions and derived power laws. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 6807-6818.	1.9	18
106	The hydrological response of the Ourthe catchment to climate change as modelled by the HBV model. <i>Hydrology and Earth System Sciences</i> , 2010, 14, 651-665.	1.9	67
107	Performance of high-resolution X-band radar for rainfall measurement in The Netherlands. <i>Hydrology and Earth System Sciences</i> , 2010, 14, 205-221.	1.9	44
108	Evaluation of a bias correction method applied to downscaled precipitation and temperature reanalysis data for the Rhine basin. <i>Hydrology and Earth System Sciences</i> , 2010, 14, 687-703.	1.9	109

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109	Changes in Streamflow Dynamics in the Rhine Basin under Three High-Resolution Regional Climate Scenarios. <i>Journal of Climate</i> , 2010, 23, 679-699.	1.2	99
110	Precipitation Measurement at CESAR, the Netherlands. <i>Journal of Hydrometeorology</i> , 2010, 11, 1322-1329.	0.7	29
111	Extreme value modeling of areal rainfall from weather radar. <i>Water Resources Research</i> , 2010, 46, .	1.7	66
112	Errors and Uncertainties in Microwave Link Rainfall Estimation Explored Using Drop Size Measurements and High-Resolution Radar Data. <i>Journal of Hydrometeorology</i> , 2010, 11, 1330-1344.	0.7	45
113	Edge effect causes apparent fractal correlation dimension of uniform spatial raindrop distribution. <i>Nonlinear Processes in Geophysics</i> , 2009, 16, 287-297.	0.6	3
114	Effects of Climate Variability on Water Storage in the Colorado River Basin. <i>Journal of Hydrometeorology</i> , 2009, 10, 1257-1270.	0.7	20
115	Parameter Sensitivity in LSMs: An Analysis Using Stochastic Soil Moisture Models and ELDAS Soil Parameters. <i>Journal of Hydrometeorology</i> , 2009, 10, 751-765.	0.7	40
116	Geostatistical simulation of two-dimensional fields of raindrop size distributions at the meso-scale. <i>Water Resources Research</i> , 2009, 45, .	1.7	19
117	Effects of land use changes on streamflow generation in the Rhine basin. <i>Water Resources Research</i> , 2009, 45, .	1.7	98
118	A steady-state analytical slope stability model for complex hillslopes. <i>Hydrological Processes</i> , 2008, 22, 546-553.	1.1	51
119	A low-dimensional physically based model of hydrologic control of shallow landsliding on complex hillslopes. <i>Earth Surface Processes and Landforms</i> , 2008, 33, 1964-1976.	1.2	34
120	Microwave link rainfall estimation: Effects of link length and frequency, temporal sampling, power resolution, and wet antenna attenuation. <i>Advances in Water Resources</i> , 2008, 31, 1481-1493.	1.7	112
121	Overview of Research and Networking with Ground based Remote Sensing for Atmospheric Profiling at the Cabauw Experimental Site for Atmospheric Research (CESAR) - The Netherlands. , 2008, , .		10
122	Application of a probabilistic model of rainfall-induced shallow landslides to complex hollows. <i>Natural Hazards and Earth System Sciences</i> , 2008, 8, 733-744.	1.5	9
123	Stochastic simulation experiment to assess radar rainfall retrieval uncertainties associated with attenuation and its correction. <i>Hydrology and Earth System Sciences</i> , 2008, 12, 587-601.	1.9	35
124	Automatic Prediction of High-Resolution Daily Rainfall Fields for Multiple Extents: The Potential of Operational Radar. <i>Journal of Hydrometeorology</i> , 2007, 8, 1204-1224.	0.7	99
125	Climate variability effects on spatial soil moisture dynamics. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	68
126	Hydrometeorological application of a microwave link: 1. Evaporation. <i>Water Resources Research</i> , 2007, 43, .	1.7	39

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127	Hydrometeorological application of a microwave link: 2. Precipitation. <i>Water Resources Research</i> , 2007, 43, .	1.7	49
128	Rainfall measurement using radio links from cellular communication networks. <i>Water Resources Research</i> , 2007, 43, .	1.7	194
129	Path-averaged rainfall estimation using microwave links: Uncertainty due to spatial rainfall variability. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	76
130	Dry-€end surface soil moisture variability during NAFE'06. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	16
131	Soil moisture storage and hillslope stability. <i>Natural Hazards and Earth System Sciences</i> , 2007, 7, 523-534.	1.5	40
132	Ground-Based Atmospheric Remote Sensing in the Netherlands. <i>Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika)</i> , 2007, 66, 1591-1602.	0.2	0
133	Polarimetric Weather Radar Retrieval of Raindrop Size Distribution by Means of a Regularized Artificial Neural Network. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2006, 44, 3262-3275.	2.7	32
134	Impact of plant water uptake strategy on soil moisture and evapotranspiration dynamics during drydown. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	60
135	Comparison between Pludix and impact/optical disdrometers during rainfall measurement campaigns. <i>Atmospheric Research</i> , 2006, 82, 137-163.	1.8	35
136	Measurement and parameterization of rainfall microstructure. <i>Journal of Hydrology</i> , 2006, 328, 1-7.	2.3	44
137	Analytical solutions to sampling effects in drop size distribution measurements during stationary rainfall: Estimation of bulk rainfall variables. <i>Journal of Hydrology</i> , 2006, 328, 65-82.	2.3	45
138	Quantitative analysis of X-band weather radar attenuation correction accuracy. <i>Natural Hazards and Earth System Sciences</i> , 2006, 6, 419-425.	1.5	20
139	Rainfall rate retrieval in presence of path attenuation using C-band polarimetric weather radars. <i>Natural Hazards and Earth System Sciences</i> , 2006, 6, 439-450.	1.5	12
140	Estimating spatial mean root-zone soil moisture from point-scale observations. <i>Hydrology and Earth System Sciences</i> , 2006, 10, 755-767.	1.9	61
141	A preliminary investigation of radar rainfall estimation in the Ardennes region and a first hydrological application for the Ourthe catchment. <i>Natural Hazards and Earth System Sciences</i> , 2005, 5, 267-274.	1.5	24
142	A stochastic model of range profiles of raindrop size distributions: Application to radar attenuation correction. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	28
143	Similarity analysis of subsurface flow response of hillslopes with complex geometry. <i>Water Resources Research</i> , 2005, 41, .	1.7	78
144	On bimodality in warm season soil moisture observations. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	43

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145	Quantification of the radar reflectivity sampling error in non-stationary rain using paired disdrometers. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	11
146	A General Approach to Double-Moment Normalization of Drop Size Distributions. <i>Journal of Applied Meteorology and Climatology</i> , 2004, 43, 264-281.	1.7	78
147	A Microphysical Interpretation of Radar Reflectivityâ€“Rain Rate Relationships. <i>Journals of the Atmospheric Sciences</i> , 2004, 61, 1114-1131.	0.6	123
148	Travel time distributions of subsurface flow along complex hillslopes with exponential width functions. <i>Developments in Water Science</i> , 2004, 55, 1465-1477.	0.1	0
149	Variability of Raindrop Size Distributions in a Squall Line and Implications for Radar Rainfall Estimation. <i>Journal of Hydrometeorology</i> , 2003, 4, 43-61.	0.7	138
150	The Microphysical Structure of Extreme Precipitation as Inferred from Ground-Based Raindrop Spectra. <i>Journals of the Atmospheric Sciences</i> , 2003, 60, 1220-1238.	0.6	66
151	Raindrop size distributions and radar reflectivityâ€“rain rate relationships for radar hydrology. <i>Hydrology and Earth System Sciences</i> , 2001, 5, 615-628.	1.9	136
152	Mountain reference technique: Use of mountain returns to calibrate weather radars operating at attenuating wavelengths. <i>Journal of Geophysical Research</i> , 2000, 105, 2281-2290.	3.3	24
153	Towards a stochastic model of rainfall for radar hydrology: testing the poisson homogeneity hypothesis. <i>Physics and Chemistry of the Earth</i> , 1999, 24, 747-755.	0.3	14
154	Dependence of rainfall interception on drop size â€“ a comment. <i>Journal of Hydrology</i> , 1999, 217, 157-163.	2.3	18
155	A consistent rainfall parameterization based on the exponential raindrop size distribution. <i>Journal of Hydrology</i> , 1999, 218, 101-127.	2.3	107
156	Application of X- and S-band radars for rain rate estimation over an urban area. <i>Physics and Chemistry of the Earth</i> , 1997, 22, 259-264.	0.3	7
157	A simple energy budget algorithm for the snowmelt runoff model. <i>Water Resources Research</i> , 1994, 30, 1515-1527.	1.7	198
158	Model-based iterative approach to polarimetric radar rainfall estimation in presence of path attenuation. <i>Advances in Geosciences</i> , 0, 2, 51-57.	12.0	5