Remko Uijlenhoet

List of Publications by Year
in descending order

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158 papers	8,901 citations	38742 50 h-index	51608 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.	3.1	4
2	Largeâ€Sample Evaluation of Radar Rainfall Nowcasting for Flood Early Warning. Water Resources Research, 2022, 58, .	4.2	16
3	A probabilistic climate change assessment for Europe. International Journal of Climatology, 2022, 42, 6699-6715.	3.5	4
4	Evaporation from a large lowland reservoir â€“ observed dynamics and drivers during a warm summer. Hydrology and Earth System Sciences, 2022, 26, 2875-2898.	4.9	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.	5.4	7
7	Daily flow simulation in Thailand Part II: Unraveling effects of reservoir operation. Journal of Hydrology: Regional Studies, 2021, 34, 100792.	2.4	3
8	Unsaturated zone model complexity for the assimilation of evapotranspiration rates in groundwater modelling. Hydrology and Earth System Sciences, 2021, 25, 2261-2277.	4.9	6
9	Rainfall-induced attenuation correction for two operational dual-polarization C-band radars in the Netherlands. Journal of Atmospheric and Oceanic Technology, 2021, , .	1.3	1
10	A comprehensive five-year evaluation of IMERG Late Run precipitation estimates over the Netherlands. Journal of Hydrometeorology, 2021, , .	1.9	4
11	Rainfall spatio-temporal correlation and intermittency structure from micro-Î³ to meso-Î² scale in the Netherlands. Journal of Hydrometeorology, 2021, , .	1.9	3
12	Tropical rainfall monitoring with commercial microwave links in Sri Lanka. Environmental Research Letters, 2021, 16, 074058.	5.2	13
13	A climatological benchmark for operational radar rainfall bias reduction. Hydrology and Earth System Sciences, 2021, 25, 4061-4080.	4.9	8
14	Rainfall retrieval using commercial microwave links: Effect of sampling strategy on retrieval accuracy. Journal of Hydrology, 2021, 603, 126909.	5.4	10
15	Analysis of urban rainfall from hourly to seasonal scales using highâ€resolution radar observations in the Netherlands. International Journal of Climatology, 2020, 40, 822-840.	3.5	11
16	Hydrometeorological Monitoring Using Opportunistic Sensing Networks in the Amsterdam Metropolitan Area. Bulletin of the American Meteorological Society, 2020, 101, E167-E185.	3.3	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.	5.4	10
18	Rainfall Nowcasting Using Commercial Microwave Links. Geophysical Research Letters, 2020, 47, e2020GL089365.	4.0	17

#	Article	IF	Citations
19	ST-CORAbico: A Spatiotemporal Object-Based Bias Correction Method for Storm Prediction Detected by Satellite. Remote Sensing, 2020, 12, 3538.	4.0	2
20	Deep Learning for an Improved Prediction of Rainfall Retrievals From Commercial Microwave Links. Water Resources Research, 2020, 56, e2019WR026255.	4.2	20
21	Spatial and Temporal Evaluation of Radar Rainfall Nowcasting Techniques on 1,533 Events. Water Resources Research, 2020, 56, e2019WR026723.	4.2	33
22	Hydrological application of radar rainfall nowcasting in the Netherlands. Environment International, 2020, 136, 105431.	10.0	28
23	Advancing Precipitation Estimation, Prediction, and Impact Studies. Bulletin of the American Meteorological Society, 2020, 101, E1584-E1592.	3.3	14
24	Estimating raindrop size distributions using microwave link measurements: potential and limitations. Atmospheric Measurement Techniques, 2020, 13, 1797-1815.	3.1	12
25	Optimization of rain gauge sampling density for river discharge prediction using Bayesian calibration. PeerJ, 2020, 8, e9558.	2.0	2
26	Full-Year Evaluation of Nonmeteorological Echo Removal with Dual-Polarization Fuzzy Logic for Two C-Band Radars in a Temperate Climate. Journal of Atmospheric and Oceanic Technology, 2020, 37, 1643-1660.	1.3	6
27	Rainfall Estimation Accuracy of a Nationwide Instantaneously Sampling Commercial Microwave Link Network: Error Dependency on Known Characteristics. Journal of Atmospheric and Oceanic Technology, 2019, 36, 1267-1283.	1.3	23
28	Quality Control for Crowdsourced Personal Weather Stations to Enable Operational Rainfall Monitoring. Geophysical Research Letters, 2019, 46, 8820-8829.	4.0	62
29	Contribution of potential evaporation forecasts to 10-day streamflow forecast skill for the Rhine River. Hydrology and Earth System Sciences, 2019, 23, 1453-1467.	4.9	16
30	Evaluating seasonal hydrological extremes in mesoscale (pre-)Alpine basins at coarse 0.5Â° and fine hyperresolution. Hydrology and Earth System Sciences, 2019, 23, 1593-1609.	4.9	4
31	Twenty-three unsolved problems in hydrology (UPH) â€“ a community perspective. Hydrological Sciences Journal, 2019, 64, 1141-1158.	2.6	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. Hydrology and Earth System Sciences, 2019, 23, 4737-4761.	4.9	28
34	Subjective modeling decisions can significantly impact the simulation of flood and drought events. Journal of Hydrology, 2019, 568, 1093-1104.	5.4	37
35	Measurements and Observations in the XXI century (MOXXI): innovation and multi-disciplinarity to sense the hydrological cycle. Hydrological Sciences Journal, 2018, 63, 169-196.	2.6	151
36	Impact of Changes in Groundwater Extractions and Climate Change on Groundwater-Dependent Ecosystems in a Complex Hydrogeological Setting. Water Resources Management, 2018, 32, 259-272.	3.9	48

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37	The Hupsel Brook Catchment: Insights from Five Decades of Lowland Observations. Vadose Zone Journal, 2018, 17, 180056.	2.2	5
38	Cover Image, Volume 5, Issue 4. Wiley Interdisciplinary Reviews: Water, 2018, 5, e1301.	6.5	0
39	Highâ€Resolution Simulation Study Exploring the Potential of Radars, Crowdsourced Personal Weather Stations, and Commercial Microwave Links to Monitor Smallâ€Scale Urban Rainfall. Water Resources Research, 2018, 54, 10,293.	4.2	15
40	Anatomy of simultaneous flood peaks at a lowland confluence. Hydrology and Earth System Sciences, 2018, 22, 5599-5613.	4.9	10
41	Confirmation of a Shortâ€Time Expression for the Hydrograph Rising Limb of an Initially Dry Aquifer Using Laboratory Hillslope Outflow Experiments. Water Resources Research, 2018, 54, 10,350.	4.2	2
42	Satellite and In Situ Observations for Advancing Global Earth Surface Modelling: A Review. Remote Sensing, 2018, 10, 2038.	4.0	95
43	Opportunistic remote sensing of rainfall using microwave links from cellular communication networks. Wiley Interdisciplinary Reviews: Water, 2018, 5, e1289.	6.5	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. Journal of Hydrology, 2018, 563, 319-335.	5.4	36
46	Mapping (dis)agreement in hydrologic projections. Hydrology and Earth System Sciences, 2018, 22, 1775-1791.	4.9	59
47	Rainfall retrieval with commercial microwave links in SÃ£o Paulo, Brazil. Atmospheric Measurement Techniques, 2018, 11, 4465-4476.	3.1	30
48	A measurement campaign to assess sources of error in microwave link rainfall estimation. Atmospheric Measurement Techniques, 2018, 11, 4645-4669.	3.1	37
49	Comment on â€œMost computational hydrology is not reproducible, so is it really science?â€•by Christopher Hutton et al.. Water Resources Research, 2017, 53, 2568-2569.	4.2	10
50	Amplification of wildfire area burnt by hydrological drought in the humid tropics. Nature Climate Change, 2017, 7, 428-431.	18.8	96
51	Rainfall measurement using cell phone links: classification of wet and dry periods using geostationary satellites. Hydrological Sciences Journal, 2017, 62, 1343-1353.	2.6	11
52	Crowdsourcing Urban Air Temperatures through Smartphone Battery Temperatures in SÃ£o Paulo, Brazil. Journal of Atmospheric and Oceanic Technology, 2017, 34, 1853-1866.	1.3	39
53	Evaluation of Rainfall Products Derived From Satellites and Microwave Links for The Netherlands. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 6849-6859.	6.3	26
54	genRE: A Method to Extend Gridded Precipitation Climatology Data Sets in Near Realâ€Time for Hydrological Forecasting Purposes. Water Resources Research, 2017, 53, 9284-9303.	4.2	18

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55	Scaling, similarity, and the fourth paradigm for hydrology. Hydrology and Earth System Sciences, 2017, 21, 3701-3713.	4.9	63
56	The future of Earth observation in hydrology. Hydrology and Earth System Sciences, 2017, 21, 3879-3914.	4.9	313
57	The potential of urban rainfall monitoring with crowdsourced automatic weather stations in Amsterdam. Hydrology and Earth System Sciences, 2017, 21, 765-777.	4.9	84
58	Hydrology of inland tropical lowlands: the Kapuas and Mahakam wetlands. Hydrology and Earth System Sciences, 2017, 21, 2579-2594.	4.9	27
59	The evolution of process-based hydrologic models: historical challenges and the collective quest for physical realism. Hydrology and Earth System Sciences, 2017, 21, 3427-3440.	4.9	177
60	Scaling, Similarity, and the Fourth Paradigm for Hydrology. , 2017, 21, 3701-3713.		7
61	Close-range radar rainfall estimation and error analysis. Atmospheric Measurement Techniques, 2016, 9, 3837-3850.	3.1	18
62	Representation of spatial and temporal variability in large-domain hydrological models: case study for a mesoscale pre-Alpine basin. Hydrology and Earth System Sciences, 2016, 20, 2207-2226.	4.9	64
63	Drought in a human-modified world: reframing drought definitions, understanding, and analysis approaches. Hydrology and Earth System Sciences, 2016, 20, 3631-3650.	4.9	289
64	Retrieval algorithm for rainfall mapping from microwave links in a cellular communication network. Atmospheric Measurement Techniques, 2016, 9, 2425-2444.	3.1	76
65	HESS Opinions: The need for process-based evaluation of large-domain hyper-resolution models. Hydrology and Earth System Sciences, 2016, 20, 1069-1079.	4.9	47
66	First-Year Evaluation of GPM Rainfall over the Netherlands: IMERG Day 1 Final Run (V03D). Journal of Hydrometeorology, 2016, 17, 2799-2814.	1.9	83
67	Two and a half years of country-wide rainfall maps using radio links from commercial cellular telecommunication networks. Water Resources Research, 2016, 52, 8039-8065.	4.2	76
68	The effect of differences between rainfall measurement techniques on groundwater and discharge simulations in a lowland catchment. Hydrological Processes, 2016, 30, 3885-3900.	2.6	33
69	Drought in the Anthropocene. Nature Geoscience, 2016, 9, 89-91.	12.9	537
70	Improving Rainfall Measurement in Gauge Poor Regions Thanks to Mobile Telecommunication Networks. Bulletin of the American Meteorological Society, 2016, 97, ES49-ES51.	3.3	51
71	Measurement and interpolation uncertainties in rainfall maps from cellular communication networks. Hydrology and Earth System Sciences, 2015, 19, 3571-3584.	4.9	30
72	Operational aspects of asynchronous filtering for flood forecasting. Hydrology and Earth System Sciences, 2015, 19, 2911-2924.	4.9	34

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73	The Wageningen Lowland Runoff Simulator (WALRUS): application to the Hupsel Brook catchment and the Cabauw polder. Hydrology and Earth System Sciences, 2014, 18, 4007-4028.	4.9	33
74	Hillslope-scale experiment demonstrates the role of convergence during two-step saturation. Hydrology and Earth System Sciences, 2014, 18, 3681-3692.	4.9	31
75	HyMeX: A 10-Year Multidisciplinary Program on the Mediterranean Water Cycle. Bulletin of the American Meteorological Society, 2014, 95, 1063-1082.	3.3	288
76	Unified Formulation of Single- and Multimoment Normalizations of the Raindrop Size Distribution Based on the Gamma Probability Density Function. Journal of Applied Meteorology and Climatology, 2014, 53, 166-179.	1.5	13
77	The Wageningen Lowland Runoff Simulator (WALRUS): a lumped rainfallâ€“runoff model for catchments with shallow groundwater. Geoscientific Model Development, 2014, 7, 2313-2332.	3.6	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. Journal of Hydrology, 2014, 519, 3410-3425.	5.4	9
79	Precipitation, soil moisture and runoff variability in a small river catchment (ArdÃ¨che, France) during HyMeX Special Observation Period 1. Journal of Hydrology, 2014, 516, 330-342.	5.4	38
80	Identification of changes in hydrological drought characteristics from a multi-GCM driven ensemble constrained by observed discharge. Journal of Hydrology, 2014, 512, 421-434.	5.4	81
81	Sensitivity of power functions to aggregation: Bias and uncertainty in radar rainfall retrieval. Water Resources Research, 2014, 50, 8050-8065.	4.2	6
82	Catchments as simple dynamical systems: A case study on methods and data requirements for parameter identification. Water Resources Research, 2014, 50, 5577-5596.	4.2	33
83	How climate seasonality modifies drought duration and deficit. Journal of Geophysical Research D: Atmospheres, 2014, 119, 4640-4656.	3.3	154
84	Distributed Evaluation of Local Sensitivity Analysis (DELSA), with application to hydrologic models. Water Resources Research, 2014, 50, 409-426.	4.2	123
85	Crowdsourcing urban air temperatures from smartphone batteryâ€‰temperatures. Geophysical Research Letters, 2013, 40, 4081-4085.	4.0	161
86	Identification and uncertainty estimation of vertical reflectivity profiles using a Lagrangian approach to support quantitative precipitation measurements by weather radar. Journal of Geophysical Research D: Atmospheres, 2013, 118, 10,243.	3.3	16
87	Global Multimodel Analysis of Drought in Runoff for the Second Half of the Twentieth Century. Journal of Hydrometeorology, 2013, 14, 1535-1552.	1.9	58
88	Country-wide rainfall maps from cellular communication networks. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2741-2745.	7.1	226
89	The importance of hydraulic groundwater theory in catchment hydrology: The legacy of Wilfried Brutsaert and Jean-Yves Parlange. Water Resources Research, 2013, 49, 5099-5116.	4.2	114
90	A data acquisition framework for runoff prediction in ungauged basins. , 2013, , 29-52.		11

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91	Investigating storageâ€discharge relations in a lowland catchment using hydrograph fitting, recession analysis, and soil moisture data. Water Resources Research, 2013, 49, 4257-4264.	4.2	42
92	Seasonal semi-variance of Dutch rainfall at hourly to daily scales. Advances in Water Resources, 2012, 45, 76-85.	3.8	37
93	Quantifying catchmentâ€scale mixing and its effect on timeâ€varying travel time distributions. Water Resources Research, 2012, 48, .	4.2	124
94	Estimation of rain kinetic energy from radar reflectivity and/or rain rate based on a scaling formulation of the raindrop size distribution. Water Resources Research, 2012, 48, .	4.2	6
95	Microwave links for rainfall estimation in an urban environment: Insights from an experimental setup in Luxembourg-City. Journal of Hydrology, 2012, 464-465, 69-78.	5.4	36
96	A generic method for hydrological drought identification across different climate regions. Hydrology and Earth System Sciences, 2012, 16, 2437-2451.	4.9	61
97	State updating of a distributed hydrological model with Ensemble Kalman Filtering: effects of updating frequency and observation network density on forecast accuracy. Hydrology and Earth System Sciences, 2012, 16, 3435-3449.	4.9	81
98	Generating spatial precipitation ensembles: impact of temporal correlation structure. Hydrology and Earth System Sciences, 2012, 16, 3419-3434.	4.9	20
99	Path-Average Rainfall Estimation from Optical Extinction Measurements Using a Large-Aperture Scintillometer. Journal of Hydrometeorology, 2011, 12, 955-972.	1.9	16
100	Measuring urban rainfall using microwave links from commercial cellular communication networks. Water Resources Research, 2011, 47, .	4.2	133
101	Climatology of daily rainfall semi-variance in The Netherlands. Hydrology and Earth System Sciences, 2011, 15, 171-183.	4.9	34
102	Anatomy of extraordinary rainfall and flash flood in a Dutch lowland catchment. Hydrology and Earth System Sciences, 2011, 15, 1991-2005.	4.9	41
103	Radar rainfall estimation of stratiform winter precipitation in the Belgian Ardennes. Water Resources Research, 2011, 47, .	4.2	42
104	Scaling of raindrop size distributions and classification of radar reflectivityâ€“rain rate relations in intense Mediterranean precipitation. Journal of Hydrology, 2011, 402, 179-192.	5.4	33
105	The effect of reported high-velocity small raindrops on inferred drop size distributions and derived power laws. Atmospheric Chemistry and Physics, 2010, 10, 6807-6818.	4.9	18
106	The hydrological response of the Ourthe catchment to climate change as modelled by the HBV model. Hydrology and Earth System Sciences, 2010, 14, 651-665.	4.9	67
107	Performance of high-resolution X-band radar for rainfall measurement in The Netherlands. Hydrology and Earth System Sciences, 2010, 14, 205-221.	4.9	44
108	Evaluation of a bias correction method applied to downscaled precipitation and temperature reanalysis data for the Rhine basin. Hydrology and Earth System Sciences, 2010, 14, 687-703.	4.9	109

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109	Changes in Streamflow Dynamics in the Rhine Basin under Three High-Resolution Regional Climate Scenarios. Journal of Climate, 2010, 23, 679-699.	3.2	99
110	Precipitation Measurement at CESAR, the Netherlands. Journal of Hydrometeorology, 2010, 11, 1322-1329.	1.9	29
111	Extreme value modeling of areal rainfall from weather radar. Water Resources Research, 2010, 46, .	4.2	66
112	Errors and Uncertainties in Microwave Link Rainfall Estimation Explored Using Drop Size Measurements and High-Resolution Radar Data. Journal of Hydrometeorology, 2010, 11, 1330-1344.	1.9	45
113	Edge effect causes apparent fractal correlation dimension of uniform spatial raindrop distribution. Nonlinear Processes in Geophysics, 2009, 16, 287-297.	1.3	3
114	Effects of Climate Variability on Water Storage in the Colorado River Basin. Journal of Hydrometeorology, 2009, 10, 1257-1270.	1.9	20
115	Parameter Sensitivity in LSMs: An Analysis Using Stochastic Soil Moisture Models and ELDAS Soil Parameters. Journal of Hydrometeorology, 2009, 10, 751-765.	1.9	40
116	Geostatistical simulation of twoâ€dimensional fields of raindrop size distributions at the mesoâ€Î³ scale. Water Resources Research, 2009, 45, .	4.2	19
117	Effects of land use changes on streamflow generation in the Rhine basin. Water Resources Research, 2009, 45, .	4.2	98
118	A steady-state analytical slope stability model for complex hillslopes. Hydrological Processes, 2008, 22, 546-553.	2.6	51
119	A lowâ€dimensional physically based model of hydrologic control of shallow landsliding on complex hillslopes. Earth Surface Processes and Landforms, 2008, 33, 1964-1976.	2.5	34
120	Microwave link rainfall estimation: Effects of link length and frequency, temporal sampling, power resolution, and wet antenna attenuation. Advances in Water Resources, 2008, 31, 1481-1493.	3.8	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. Natural Hazards and Earth System Sciences, 2008, 8, 733-744.	3.6	9
123	Stochastic simulation experiment to assess radar rainfall retrieval uncertainties associated with attenuation and its correction. Hydrology and Earth System Sciences, 2008, 12, 587-601.	4.9	35
124	Automatic Prediction of High-Resolution Daily Rainfall Fields for Multiple Extents: The Potential of Operational Radar. Journal of Hydrometeorology, 2007, 8, 1204-1224.	1.9	99
125	Climate variability effects on spatial soil moisture dynamics. Geophysical Research Letters, 2007, 34, .	4.0	68
126	Hydrometeorological application of a microwave link: 1. Evaporation. Water Resources Research, 2007, 43, .	4.2	39

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127	Hydrometeorological application of a microwave link: 2. Precipitation. Water Resources Research, 2007, 43, .	4.2	49
128	Rainfall measurement using radio links from cellular communication networks. Water Resources Research, 2007, 43, .	4.2	194
129	Path-averaged rainfall estimation using microwave links: Uncertainty due to spatial rainfall variability. Geophysical Research Letters, 2007, 34, .	4.0	76
130	Dryâ€end surface soil moisture variability during NAFE'06. Geophysical Research Letters, 2007, 34, .	4.0	16
131	Soil moisture storage and hillslope stability. Natural Hazards and Earth System Sciences, 2007, 7, 523-534.	3.6	40
132	Ground-Based Atmospheric Remote Sensing in the Netherlands. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2007, 66, 1591-1602.	0.4	0
133	Polarimetric Weather Radar Retrieval of Raindrop Size Distribution by Means of a Regularized Artificial Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 3262-3275.	6.3	32
134	Impact of plant water uptake strategy on soil moisture and evapotranspiration dynamics during drydown. Geophysical Research Letters, 2006, 33, .	4.0	60
135	Comparison between Pludix and impact/optical disdrometers during rainfall measurement campaigns. Atmospheric Research, 2006, 82, 137-163.	4.1	35
136	Measurement and parameterization of rainfall microstructure. Journal of Hydrology, 2006, 328, 1-7.	5.4	44
137	Analytical solutions to sampling effects in drop size distribution measurements during stationary rainfall: Estimation of bulk rainfall variables. Journal of Hydrology, 2006, 328, 65-82.	5.4	45
138	Quantitative analysis of X-band weather radar attenuation correction accuracy. Natural Hazards and Earth System Sciences, 2006, 6, 419-425.	3.6	20
139	Rainfall rate retrieval in presence of path attenuation using C-band polarimetric weather radars. Natural Hazards and Earth System Sciences, 2006, 6, 439-450.	3.6	12
140	Estimating spatial mean root-zone soil moisture from point-scale observations. Hydrology and Earth System Sciences, 2006, 10, 755-767.	4.9	61
141	A preliminary investigation of radar rainfall estimation in the Ardennes region and a first hydrological application for the Ourthe catchment. Natural Hazards and Earth System Sciences, 2005, 5, 267-274.	3.6	24
142	A stochastic model of range profiles of raindrop size distributions: Application to radar attenuation correction. Geophysical Research Letters, 2005, 32, .	4.0	28
143	Similarity analysis of subsurface flow response of hillslopes with complex geometry. Water Resources Research, 2005, 41, .	4.2	78
144	On bimodality in warm season soil moisture observations. Geophysical Research Letters, 2005, 32, .	4.0	43

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145	Quantification of the radar reflectivity sampling error in non-stationary rain using paired disdrometers. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	11
146	A General Approach to Double-Moment Normalization of Drop Size Distributions. Journal of Applied Meteorology and Climatology, 2004, 43, 264-281.	1.7	78
147	A Microphysical Interpretation of Radar Reflectivityâ€“Rain Rate Relationships. Journals of the Atmospheric Sciences, 2004, 61, 1114-1131.	1.7	123
148	Travel time distributions of subsurface flow along complex hillslopes with exponential width functions. Developments in Water Science, 2004, 55, 1465-1477.	0.1	0
149	Variability of Raindrop Size Distributions in a Squall Line and Implications for Radar Rainfall Estimation. Journal of Hydrometeorology, 2003, 4, 43-61.	1.9	138
150	The Microphysical Structure of Extreme Precipitation as Inferred from Ground-Based Raindrop Spectra. Journals of the Atmospheric Sciences, 2003, 60, 1220-1238.	1.7	66
151	Raindrop size distributions and radar reflectivityâ€“rain rate relationships for radar hydrology. Hydrology and Earth System Sciences, 2001, 5, 615-628.	4.9	136
152	Mountain reference technique: Use of mountain returns to calibrate weather radars operating at attenuating wavelengths. Journal of Geophysical Research, 2000, 105, 2281-2290.	3.3	24
153	Towards a stochastic model of rainfall for radar hydrology: testing the poisson homogeneity hypothesis. Physics and Chemistry of the Earth, 1999, 24, 747-755.	0.3	14
154	Dependence of rainfall interception on drop size â€“ a comment. Journal of Hydrology, 1999, 217, 157-163.	5.4	18
155	A consistent rainfall parameterization based on the exponential raindrop size distribution. Journal of Hydrology, 1999, 218, 101-127.	5.4	107
156	Application of X- and S-band radars for rain rate estimation over an urban area. Physics and Chemistry of the Earth, 1997, 22, 259-264.	0.3	7
157	A simple energy budget algorithm for the snowmelt runoff model. Water Resources Research, 1994, 30, 1515-1527.	4.2	198
158	Model-based iterative approach to polarimetric radar rainfall estimation in presence of path attenuation. Advances in Geosciences, 0, 2, 51-57.	12.0	5