

Christa D Peters-Lidard

List of Publications by Year in descending order

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Version: 2024-02-01

170
papers

10,490
citations

28190

55
h-index

38300

95
g-index

189
all docs

189
docs citations

189
times ranked

9219
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards effective drought monitoring in the Middle East and North Africa (MENA) region: implications from assimilating leaf area index and soil moisture into the Noah-MP land surface model for Morocco. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 2365-2386.	1.9	12
2	A NASA's Air Force Precipitation Analysis for Near-Real-Time Operations. <i>Journal of Hydrometeorology</i> , 2022, 23, 965-989.	0.7	4
3	A Central Asia hydrologic monitoring dataset for food and water security applications in Afghanistan. <i>Earth System Science Data</i> , 2022, 14, 3115-3135.	3.7	11
4	The 2019-2020 Australian Drought and Bushfires Altered the Partitioning of Hydrological Fluxes. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	19
5	A High-Resolution Land Data Assimilation System Optimized for the Western United States. <i>Journal of the American Water Resources Association</i> , 2021, 57, 692-710.	1.0	9
6	Indicators of climate change impacts on the water cycle and water management. <i>Climatic Change</i> , 2021, 165, 1.	1.7	7
7	Assimilation of Vegetation Conditions Improves the Representation of Drought over Agricultural Areas. <i>Journal of Hydrometeorology</i> , 2021, 22, 1085-1098.	0.7	12
8	Cold Season Performance of the NU-WRF Regional Climate Model in the Great Lakes Region. <i>Journal of Hydrometeorology</i> , 2021, , .	0.7	5
9	Daily Precipitation Frequency Distributions Impacts on Land-Surface Simulations of CONUS. <i>Frontiers in Water</i> , 2021, 3, .	1.0	1
10	Introducing and evaluating the Climate Hazards center IMERG with Stations (CHIMES) - Timely station-enhanced Integrated Multi-satellite Retrievals for Global Precipitation Measurement. <i>Bulletin of the American Meteorological Society</i> , 2021, , 1-52.	1.7	3
11	Evaluation of Rainfall-Snowfall Separation Performance in Remote Sensing Datasets. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094180.	1.5	8
12	Impact of radiation frequency, precipitation radiative forcing, and radiation column aggregation on convection-permitting West African monsoon simulations. <i>Climate Dynamics</i> , 2020, 55, 193-213.	1.7	30
13	Raindrop Signature from Microwave Radiometer Over Deserts. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088656.	1.5	2
14	Invigorating Hydrological Research Through Journal Publications. <i>Water Resources Research</i> , 2020, 56, .	1.7	5
15	Towards a soil moisture drought monitoring system for South Korea. <i>Journal of Hydrology</i> , 2020, 589, 125176.	2.3	29
16	Impact of Surface Albedo Assimilation on Snow Estimation. <i>Remote Sensing</i> , 2020, 12, 645.	1.8	18
17	The NASA Hydrological Forecast System for Food and Water Security Applications. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E1007-E1025.	1.7	31
18	Satellite Gravimetry Improves Seasonal Streamflow Forecast Initialization in Africa. <i>Water Resources Research</i> , 2020, 56, e2019WR026259.	1.7	21

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19	Advancing Precipitation Estimation, Prediction, and Impact Studies. Bulletin of the American Meteorological Society, 2020, 101, E1584-E1592.	1.7	14
20	Evaluation of V05 Precipitation Estimates from GPM Constellation Radiometers Using KuPR as the Reference. Journal of Hydrometeorology, 2020, 21, 705-728.	0.7	23
21	Assimilation of vegetation optical depth retrievals from passive microwave radiometry. Hydrology and Earth System Sciences, 2020, 24, 3431-3450.	1.9	30
22	Improving early warning of drought-driven food insecurity in southern Africa using operational hydrological monitoring and forecasting products. Natural Hazards and Earth System Sciences, 2020, 20, 1187-1201.	1.5	17
23	Recognizing the Famine Early Warning Systems Network: Over 30 Years of Drought Early Warning Science Advances and Partnerships Promoting Global Food Security. Bulletin of the American Meteorological Society, 2019, 100, 1011-1027.	1.7	111
24	Acute Water-Scarcity Monitoring for Africa. Water (Switzerland), 2019, 11, 1968.	1.2	36
25	NCA-LDAS: Overview and Analysis of Hydrologic Trends for the National Climate Assessment. Journal of Hydrometeorology, 2019, 20, 1595-1617.	0.7	17
26	Assimilation of Remotely Sensed Leaf Area Index into the Noah-MP Land Surface Model: Impacts on Water and Carbon Fluxes and States over the Continental United States. Journal of Hydrometeorology, 2019, 20, 1359-1377.	0.7	70
27	Hydrologic and Agricultural Earth Observations and Modeling for the Water-Food Nexus. Frontiers in Environmental Science, 2019, 7, .	1.5	16
28	Earth Observations and Integrative Models in Support of Food and Water Security. Remote Sensing in Earth Systems Sciences, 2019, 2, 18-38.	1.1	11
29	NCA-LDAS Land Analysis: Development and Performance of a Multisensor, Multivariate Land Data Assimilation System for the National Climate Assessment. Journal of Hydrometeorology, 2019, 20, 1571-1593.	0.7	67
30	Information theoretic evaluation of satellite soil moisture retrievals. Remote Sensing of Environment, 2018, 204, 392-400.	4.6	89
31	100 Years of Progress in Hydrology. Meteorological Monographs, 2018, 59, 25.1-25.51.	5.0	16
32	Joint Editorial: Invigorating hydrological research through journal publications. Hydrology Research, 2018, 49, iii-ix.	1.1	0
33	Joint editorial: Invigorating hydrological research through journal publications. Hydrology and Earth System Sciences, 2018, 22, 5735-5739.	1.9	3
34	Benchmarking and Process Diagnostics of Land Models. Journal of Hydrometeorology, 2018, 19, 1835-1852.	0.7	41
35	Invigorating Hydrological Research through Journal Publications. Journal of Hydrometeorology, 2018, 19, 1713-1719.	0.7	0
36	Comprehensive Evaluation of the Variable Infiltration Capacity (VIC) Model in the North American Land Data Assimilation System. Journal of Hydrometeorology, 2018, 19, 1853-1879.	0.7	15

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37	The Land surface Data Toolkit (LDT v7.2) – a data fusion environment for land data assimilation systems. <i>Geoscientific Model Development</i> , 2018, 11, 3605-3621.	1.3	45
38	Joint Editorial: Invigorating Hydrological Research through Journal Publications. <i>Vadose Zone Journal</i> , 2018, 17, 180001ed.	1.3	0
39	Microphysics and Radiation Effect of Dust on Saharan Air Layer: An HS3 Case Study. <i>Monthly Weather Review</i> , 2018, 146, 1813-1835.	0.5	15
40	Attribution of Flux Partitioning Variations between Land Surface Models over the Continental U.S.. <i>Remote Sensing</i> , 2018, 10, 751.	1.8	23
41	The Instantaneous Retrieval of Precipitation Over Land by Temporal Variation at 19GHz. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 9279-9295.	1.2	6
42	Invigorating hydrological research through journal publications. <i>Hydrological Sciences Journal</i> , 2018, 63, 1113-1117.	1.2	4
43	Parameter Sensitivity of the Noah-MP Land Surface Model with Dynamic Vegetation. <i>Journal of Hydrometeorology</i> , 2018, 19, 815-830.	0.7	33
44	Bias correction to improve the skill of summer precipitation forecasts over the contiguous United States by the North American multi-model ensemble system. <i>Atmospheric Science Letters</i> , 2018, 19, e818.	0.8	5
45	Joint Editorial Invigorating Hydrological Research through Journal Publications. <i>Journal of Hydrology and Hydromechanics</i> , 2018, 66, 257-260.	0.7	1
46	A remote sensing-based tool for assessing rainfall-driven hazards. <i>Environmental Modelling and Software</i> , 2017, 90, 34-54.	1.9	36
47	The Role of Low-Level, Terrain-Induced Jets in Rainfall Variability in Tigris–Euphrates Headwaters. <i>Journal of Hydrometeorology</i> , 2017, 18, 819-835.	0.7	9
48	A land data assimilation system for sub-Saharan Africa food and water security applications. <i>Scientific Data</i> , 2017, 4, 170012.	2.4	282
49	Trade-off between cost and accuracy in large-scale surface water dynamic modeling. <i>Water Resources Research</i> , 2017, 53, 4942-4955.	1.7	44
50	Development of high-resolution dynamic dust source function - A case study with a strong dust storm in a regional model. <i>Atmospheric Environment</i> , 2017, 159, 11-25.	1.9	38
51	Upper Blue Nile basin water budget from a multi-model perspective. <i>Journal of Hydrology</i> , 2017, 555, 535-546.	2.3	39
52	Impacts of aerosol–monsoon interaction on rainfall and circulation over Northern India and the Himalaya Foothills. <i>Climate Dynamics</i> , 2017, 49, 1945-1960.	1.7	57
53	Improving Overland Precipitation Retrieval with Brightness Temperature Temporal Variation. <i>Journal of Hydrometeorology</i> , 2017, 18, 2355-2383.	0.7	12
54	Impact of Assimilated Precipitation-Sensitive Radiances on the NU-WRF Simulation of the West African Monsoon. <i>Monthly Weather Review</i> , 2017, 145, 3881-3900.	0.5	16

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55	Evaluating hourly rainfall characteristics over the U.S. Great Plains in dynamically downscaled climate model simulations using NASA's Unified WRF. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 7371-7384.	1.2	22
56	Similarity Assessment of Land Surface Model Outputs in the North American Land Data Assimilation System. <i>Water Resources Research</i> , 2017, 53, 8941-8965.	1.7	34
57	Role of forcing uncertainty and background model error characterization in snow data assimilation. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 2637-2647.	1.9	20
58	Scaling, similarity, and the fourth paradigm for hydrology. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 3701-3713.	1.9	63
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	Sensitivity of CONUS Summer Rainfall to the Selection of Cumulus Parameterization Schemes in NU-WRF Seasonal Simulations. <i>Journal of Hydrometeorology</i> , 2017, 18, 1689-1706.	0.7	11
61	Research to Advance Drought Monitoring and Prediction Capabilities. <i>Drought and Water Crises</i> , 2017, , 127-140.	0.1	2
62	Scaling, Similarity, and the Fourth Paradigm for Hydrology. , 2017, 21, 3701-3713.		7
63	Basin-scale assessment of the land surface water budget in the National Centers for Environmental Prediction operational and research NLDAS-2 systems. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 2750-2779.	1.2	35
64	Assimilation of Gridded GRACE Terrestrial Water Storage Estimates in the North American Land Data Assimilation System. <i>Journal of Hydrometeorology</i> , 2016, 17, 1951-1972.	0.7	137
65	Benchmarking NLDAS-2 Soil Moisture and Evapotranspiration to Separate Uncertainty Contributions. <i>Journal of Hydrometeorology</i> , 2016, 17, 745-759.	0.7	82
66	Operational hydrological forecasting during the IPHEX-IOP campaign "Meet the challenge". <i>Journal of Hydrology</i> , 2016, 541, 434-456.	2.3	22
67	Regionalizing Africa: Patterns of Precipitation Variability in Observations and Global Climate Models. <i>Journal of Climate</i> , 2016, 29, 9027-9043.	1.2	23
68	Basin-scale assessment of the land surface energy budget in the National Centers for Environmental Prediction operational and research NLDAS-2 systems. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 196-220.	1.2	16
69	High-resolution NU-WRF simulations of a deep convective precipitation system during MC3E: Further improvements and comparisons between Goddard microphysics schemes and observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 1278-1305.	1.2	97
70	Performance of the Goddard multiscale modeling framework with Goddard ice microphysical schemes. <i>Journal of Advances in Modeling Earth Systems</i> , 2016, 8, 66-95.	1.3	19
71	Performance Metrics, Error Modeling, and Uncertainty Quantification. <i>Monthly Weather Review</i> , 2016, 144, 607-613.	0.5	42
72	Evaluation of NU-WRF Rainfall Forecasts for IFloodS. <i>Journal of Hydrometeorology</i> , 2016, 17, 1317-1335.	0.7	9

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73	Evaluating ESA CCI soil moisture in East Africa. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016, 48, 96-109.	1.4	92
74	Calibration to Improve Forward Model Simulation of Microwave Emissivity at GPM Frequencies Over the U.S. Southern Great Plains. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 1103-1117.	2.7	8
75	Impact of Soil Moisture Assimilation on Land Surface Model Spinup and Coupled Land-Atmosphere Prediction. <i>Journal of Hydrometeorology</i> , 2016, 17, 517-540.	0.7	36
76	An examination of methods for estimating land surface microwave emissivity. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 11,114.	1.2	19
77	Decomposition of sources of errors in seasonal streamflow forecasting over the U.S. Sunbelt. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 11,809.	1.2	31
78	A prototype physical database for passive microwave retrievals of precipitation over the US Southern Great Plains. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 10,465.	1.2	4
79	Evaluating the utility of satellite soil moisture retrievals over irrigated areas and the ability of land data assimilation methods to correct for unmodeled processes. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 4463-4478.	1.9	134
80	Integrated modeling of aerosol, cloud, precipitation and land processes at satellite-resolved scales. <i>Environmental Modelling and Software</i> , 2015, 67, 149-159.	1.9	95
81	Blending satellite-based snow depth products with in situ observations for streamflow predictions in the Upper Colorado River Basin. <i>Water Resources Research</i> , 2015, 51, 1182-1202.	1.7	32
82	Prospects for Advancing Drought Understanding, Monitoring, and Prediction. <i>Journal of Hydrometeorology</i> , 2015, 16, 1636-1657.	0.7	72
83	A Semi-Empirical Model for Computing Land Surface Emissivity in the Microwave Region. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 1935-1946.	2.7	12
84	Calculating Crop Water Requirement Satisfaction in the West Africa Sahel with Remotely Sensed Soil Moisture. <i>Journal of Hydrometeorology</i> , 2015, 16, 295-305.	0.7	35
85	The Plumbing of Land Surface Models: Benchmarking Model Performance. <i>Journal of Hydrometeorology</i> , 2015, 16, 1425-1442.	0.7	191
86	Quantifying the Added Value of Snow Cover Area Observations in Passive Microwave Snow Depth Data Assimilation. <i>Journal of Hydrometeorology</i> , 2015, 16, 1736-1741.	0.7	46
87	Using Air Temperature to Quantitatively Predict the MODIS Fractional Snow Cover Retrieval Errors over the Continental United States. <i>Journal of Hydrometeorology</i> , 2014, 15, 551-562.	0.7	16
88	Assimilation of Remotely Sensed Soil Moisture and Snow Depth Retrievals for Drought Estimation. <i>Journal of Hydrometeorology</i> , 2014, 15, 2446-2469.	0.7	167
89	Water Balance in the Amazon Basin from a Land Surface Model Ensemble. <i>Journal of Hydrometeorology</i> , 2014, 15, 2586-2614.	0.7	66
90	Uncertainties, Correlations, and Optimal Blends of Drought Indices from the NLDAS Multiple Land Surface Model Ensemble. <i>Journal of Hydrometeorology</i> , 2014, 15, 1636-1650.	0.7	37

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91	Application of USDM statistics in NLDAS-2: Optimal blended NLDAS drought index over the continental United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 2947-2965.	1.2	69
92	Simulation of a Flash Flooding Storm at the Steep Edge of the Himalayas*. <i>Journal of Hydrometeorology</i> , 2014, 15, 212-228.	0.7	51
93	A Real-Time MODIS Vegetation Product for Land Surface and Numerical Weather Prediction Models. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 1772-1786.	2.7	36
94	Quantifying Uncertainties in Land-Surface Microwave Emissivity Retrievals. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 829-840.	2.7	32
95	A Comparison of Microwave Window Channel Retrieved and Forward-Modeled Emissivities Over the U.S. Southern Great Plains. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 2395-2412.	2.7	22
96	Land surface microwave emissivity dynamics: Observations, analysis and modeling. , 2014, , .		0
97	Assessing the Impact of L-Band Observations on Drought and Flood Risk Estimation: A Decision-Theoretic Approach in an OSSE Environment. <i>Journal of Hydrometeorology</i> , 2014, 15, 2140-2156.	0.7	17
98	The Goddard Cumulus Ensemble model (GCE): Improvements and applications for studying precipitation processes. <i>Atmospheric Research</i> , 2014, 143, 392-424.	1.8	49
99	Comment on Shing S. 2012. Calculating actual crop evapotranspiration under soil water stress conditions with appropriate numerical methods and time step. <i>Hydrological Processes</i> 26: 3338-3343. DOI: 10.1002/hyp.8405. <i>Hydrological Processes</i> , 2014, 28, 3833-3840.	1.1	0
100	Introducing multisensor satellite radiance-based evaluation for regional Earth System modeling. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 8450-8475.	1.2	58
101	Implementation of an aerosol-cloud-microphysics-radiation coupling into the NASA unified WRF: Simulation results for the 7 August 2006 AMMA special observing period. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2014, 140, 2158-2175.	1.0	43
102	An Evaluation of Microwave Land Surface Emissivities Over the Continental United States to Benefit GPM-Era Precipitation Algorithms. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013, 51, 378-398.	2.7	95
103	Assimilating satellite-based snow depth and snow cover products for improving snow predictions in Alaska. <i>Advances in Water Resources</i> , 2013, 54, 208-227.	1.7	93
104	The NASA-Goddard Multi-scale Modeling Framework's Land Information System: Global land/atmosphere interaction with resolved convection. <i>Environmental Modelling and Software</i> , 2013, 39, 103-115.	1.9	23
105	Impact of Land Model Calibration on Coupled Land-Atmosphere Prediction. <i>Journal of Hydrometeorology</i> , 2013, 14, 1373-1400.	0.7	36
106	Multiscale Evaluation of the Improvements in Surface Snow Simulation through Terrain Adjustments to Radiation. <i>Journal of Hydrometeorology</i> , 2013, 14, 220-232.	0.7	25
107	Advancing Drought Understanding, Monitoring, and Prediction. <i>Bulletin of the American Meteorological Society</i> , 2013, 94, ES186-ES188.	1.7	19
108	Diagnosing the Nature of Land-Atmosphere Coupling: A Case Study of Dry/Wet Extremes in the U.S. Southern Great Plains. <i>Journal of Hydrometeorology</i> , 2013, 14, 3-24.	0.7	86

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109	Representation of Soil Moisture Feedbacks during Drought in NASA Unified WRF (NU-WRF). <i>Journal of Hydrometeorology</i> , 2013, 14, 360-367.	0.7	62
110	Effect of land cover on atmospheric processes and air quality over the continental United States – a NASA Unified WRF (NU-WRF) model study. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 6207-6226.	1.9	67
111	Precipitation intensity and variation during MC3E: A numerical modeling study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 7199-7218.	1.2	38
112	Estimating water discharge from large radar altimetry datasets. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 923-933.	1.9	56
113	Land surface Verification Toolkit (LVT) – a generalized framework for land surface model evaluation. <i>Geoscientific Model Development</i> , 2012, 5, 869-886.	1.3	54
114	Global Distribution of Extreme Precipitation and High-Impact Landslides in 2010 Relative to Previous Years. <i>Journal of Hydrometeorology</i> , 2012, 13, 1536-1551.	0.7	74
115	A comparison of methods for a priori bias correction in soil moisture data assimilation. <i>Water Resources Research</i> , 2012, 48, .	1.7	126
116	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, .	1.7	26
117	Distributed assimilation of satellite-based snow extent for improving simulated streamflow in mountainous, dense forests: An example over the DMIP2 western basins. <i>Water Resources Research</i> , 2012, 48, .	1.7	23
118	Tracing hydrologic model simulation error as a function of satellite rainfall estimation bias components and land use and land cover conditions. <i>Water Resources Research</i> , 2012, 48, .	1.7	44
119	Quantifying the change in soil moisture modeling uncertainty from remote sensing observations using Bayesian inference techniques. <i>Water Resources Research</i> , 2012, 48, .	1.7	37
120	Advances in landslide nowcasting: evaluation of a global and regional modeling approach. <i>Environmental Earth Sciences</i> , 2012, 66, 1683-1696.	1.3	87
121	Hyperresolution global land surface modeling: Meeting a grand challenge for monitoring Earth’s terrestrial water. <i>Water Resources Research</i> , 2011, 47, .	1.7	634
122	Diagnosing the Sensitivity of Local Land–Atmosphere Coupling via the Soil Moisture–Boundary Layer Interaction. <i>Journal of Hydrometeorology</i> , 2011, 12, 766-786.	0.7	188
123	The impact of microphysical schemes on hurricane intensity and track. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2011, 47, 1-16.	1.3	92
124	Estimating evapotranspiration with land data assimilation systems. <i>Hydrological Processes</i> , 2011, 25, 3979-3992.	1.1	78
125	High-Resolution Numerical Simulation of the Extreme Rainfall Associated with Typhoon Morakot. Part I: Comparing the Impact of Microphysics and PBL Parameterizations with Observations. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2011, 22, 673.	0.3	32
126	On the Relationship Between Temperature and MODIS Snow Cover Retrieval Errors in the Western U.S.. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2010, 3, 132-140.	2.3	30

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127	Inverse Method for Estimating the Spatial Variability of Soil Particle Size Distribution from Observed Soil Moisture. <i>Journal of Hydrologic Engineering - ASCE</i> , 2010, 15, 931-938.	0.8	8
128	WRF Simulations of the 20â€“22 January 2007 Snow Events over Eastern Canada: Comparison with In Situ and Satellite Observations. <i>Journal of Applied Meteorology and Climatology</i> , 2010, 49, 2246-2266.	0.6	93
129	Real-Time Bias Reduction for Satellite-Based Precipitation Estimates. <i>Journal of Hydrometeorology</i> , 2010, 11, 1275-1285.	0.7	71
130	A global map of uncertainties in satelliteâ€“based precipitation measurements. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	226
131	Evaluation of GSMaP Precipitation Estimates over the Contiguous United States. <i>Journal of Hydrometeorology</i> , 2010, 11, 566-574.	0.7	136
132	The Goddard multi-scale modeling system with unified physics. <i>Annales Geophysicae</i> , 2009, 27, 3055-3064.	0.6	33
133	A Modeling and Observational Framework for Diagnosing Local Landâ€“Atmosphere Coupling on Diurnal Time Scales. <i>Journal of Hydrometeorology</i> , 2009, 10, 577-599.	0.7	166
134	Role of Subsurface Physics in the Assimilation of Surface Soil Moisture Observations. <i>Journal of Hydrometeorology</i> , 2009, 10, 1534-1547.	0.7	178
135	A new model of bi-directional ammonia exchange between the atmosphere and biosphere: Ammonia stomatal compensation point. <i>Agricultural and Forest Meteorology</i> , 2009, 149, 263-280.	1.9	39
136	Component analysis of errors in satelliteâ€“based precipitation estimates. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	313
137	A Multiscale Modeling System: Developments, Applications, and Critical Issues. <i>Bulletin of the American Meteorological Society</i> , 2009, 90, 515-534.	1.7	128
138	Impact of Urban Growth on Surface Climate: A Case Study in Oran, Algeria. <i>Journal of Applied Meteorology and Climatology</i> , 2009, 48, 217-231.	0.6	49
139	Appropriate scale of soil moisture retrieval from high resolution radar imagery for bare and minimally vegetated soils. <i>Remote Sensing of Environment</i> , 2008, 112, 403-414.	4.6	48
140	A land surface data assimilation framework using the land information system: Description and applications. <i>Advances in Water Resources</i> , 2008, 31, 1419-1432.	1.7	182
141	An integrated high-resolution hydrometeorological modeling testbed using LIS and WRF. <i>Environmental Modelling and Software</i> , 2008, 23, 169-181.	1.9	71
142	On the Relationship Between Mean and Variance of Soil Moisture Fields¹. <i>Journal of the American Water Resources Association</i> , 2008, 44, 235-242.	1.0	57
143	An integrated hydrologic modeling and data assimilation framework. <i>Computer</i> , 2008, 41, 52-59.	1.2	150
144	High-performance land surface modeling with a Linux cluster. <i>Computers and Geosciences</i> , 2008, 34, 1492-1504.	2.0	16

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145	Spatial interpolation of precipitation in a dense gauge network for monsoon storm events in the southwestern United States. <i>Water Resources Research</i> , 2008, 44, .	1.7	96
146	Role of precipitation uncertainty in the estimation of hydrologic soil properties using remotely sensed soil moisture in a semiarid environment. <i>Water Resources Research</i> , 2008, 44, .	1.7	35
147	Impacts of High-Resolution Land Surface Initialization on Regional Sensible Weather Forecasts from the WRF Model. <i>Journal of Hydrometeorology</i> , 2008, 9, 1249-1266.	0.7	61
148	Evaluating Clouds in Long-Term Cloud-Resolving Model Simulations with Observational Data. <i>Journals of the Atmospheric Sciences</i> , 2007, 64, 4153-4177.	0.6	56
149	Multitemporal Analysis of TRMM-Based Satellite Precipitation Products for Land Data Assimilation Applications. <i>Journal of Hydrometeorology</i> , 2007, 8, 1165-1183.	0.7	265
150	Systematic anomalies over inland water bodies in satellite-based precipitation estimates. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	80
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