Soroosh Sorooshian

List of Publications by Year
in descending order

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334 papers	39,052 citations	4370 86 h-index	2940 189 g-index
347 all docs	347 docs citations	347 times ranked	20095 citing authors

#	Article	IF	Citations
1	Prediction of the outflow temperature of large-scale hydropower using theory-guided machine learning surrogate models of a high-fidelity hydrodynamics model. Journal of Hydrology, 2022, 606, 127427.	2.3	15
2	Projected impacts of climate change on major dams in the Upper Yangtze River Basin. Climatic Change, 2022, 170, 1.	1.7	7
3	Deep Neural Network High Spatiotemporal Resolution Precipitation Estimation (Deep-STEP) Using Passive Microwave and Infrared Data. Journal of Hydrometeorology, 2022, 23, 597-617.	0.7	4
4	Discrepancies in changes in precipitation characteristics over the contiguous United States based on six daily gridded precipitation datasets. Weather and Climate Extremes, 2022, 36, 100433.	1.6	3
5	QRF4Pâ€NRT: Probabilistic Postâ€Processing of Nearâ€Realâ€Time Satellite Precipitation Estimates Using Quantile Regression Forests. Water Resources Research, 2022, 58, .	1.7	6
6	One man, one vision, 35 years in the making. Computer-Aided Civil and Infrastructure Engineering, 2021, 36, 125-125.	6.3	0
7	Retrospective Analysis and Bayesian Model Averaging of CMIP6 Precipitation in the Nile River Basin. Journal of Hydrometeorology, 2021, 22, 217-229.	0.7	14
8	PERSIANN-CCS-CDR, a 3-hourly 0.04Â° global precipitation climate data record for heavy precipitation studies. Scientific Data, 2021, 8, 157.	2.4	67
9	Complexity of hydrologic basins: A chaotic dynamics perspective. Journal of Hydrology, 2021, 597, 126222.	2.3	6
10	How much information on precipitation is contained in satellite infrared imagery?. Atmospheric Research, 2021, 256, 105578.	1.8	6
11	Error Characteristics and Scale Dependence of Current Satellite Precipitation Estimates Products in Hydrological Modeling. Remote Sensing, 2021, 13, 3061.	1.8	9
12	Application of remote sensing precipitation data and the CONNECT algorithm to investigate spatiotemporal variations of heavy precipitation: Case study of major floods across Iran (Spring 2019). Journal of Hydrology, 2021, 600, 126569.	2.3	15
13	New Insights Into Error Decomposition for Precipitation Products. Geophysical Research Letters, 2021, 48, e2021GL094092.	1.5	14
14	Improving near real-time precipitation estimation using a U-Net convolutional neural network and geographical information. Environmental Modelling and Software, 2020, 134, 104856.	1.9	48
15	Examination of Global Midlatitude Atmospheric River Lifecycles Using an Objectâ€Oriented Methodology. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD033425.	1.2	19
16	A Model Tree Generator (MTG) Framework for Simulating Hydrologic Systems: Application to Reservoir Routing. Water (Switzerland), 2020, 12, 2373.	1.2	7
17	Evaluation of Methods for Causal Discovery in Hydrometeorological Systems. Water Resources Research, 2020, 56, e2020WR027251.	1.7	33
18	Post and near real-time satellite precipitation products skill over Karkheh River Basin in Iran. International Journal of Remote Sensing, 2020, 41, 6484-6502.	1.3	28

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19	Bias Correction of Satellite-Based Precipitation Estimations Using Quantile Mapping Approach in Different Climate Regions of Iran. Remote Sensing, 2020, 12, 2102.	1.8	36
20	Deep Neural Network Cloud-Type Classification (DeepCTC) Model and Its Application in Evaluating PERSIANN-CCS. Remote Sensing, 2020, 12, 316.	1.8	18
21	Integrated Multi-satellite Retrievals for the Global Precipitation Measurement (GPM) Mission (IMERG). Advances in Global Change Research, 2020, , 343-353.	1.6	191
22	PERSIANN-CDR for Hydrology and Hydro-climatic Applications. Advances in Global Change Research, 2020, , 993-1012.	1.6	2
23	PERSIANN Dynamic Infraredâ€“Rain Rate Model (PDIR) for High-Resolution, Real-Time Satellite Precipitation Estimation. Bulletin of the American Meteorological Society, 2020, 101, E286-E302.	1.7	33
24	PERSIANN Dynamic Infraredâ€“Rain Rate (PDIR-Now): A Near-Real-Time, Quasi-Global Satellite Precipitation Dataset. Journal of Hydrometeorology, 2020, 21, 2893-2906.	0.7	48
25	Spatiotemporal Variations of Precipitation over Iran Using the High-Resolution and Nearly Four Decades Satellite-Based PERSIANN-CDR Dataset. Remote Sensing, 2020, 12, 1584.	1.8	26
26	Precipitation Rate Estimates from Satellite Infrared Imagery: A New PERSIANN Model. Bulletin of the American Meteorological Society, 2020, 101, 389-394.	1.7	0
27	Effective Cloud Detection and Segmentation Using a Gradient-Based Algorithm for Satellite Imagery: Application to Improve PERSIANN-CCS. Journal of Hydrometeorology, 2019, 20, 901-913.	0.7	14
28	Correction to: Real-time national GPS networks: opportunities for atmospheric sensing. Earth, Planets and Space, 2019, 71, .	0.9	0
29	Conditional Generative Adversarial Networks (cGANs) for Near Real-Time Precipitation Estimation from Multispectral GOES-16 Satellite Imageriesâ€”PERSIANN-cGAN. Remote Sensing, 2019, 11, 2193.	1.8	37
30	Improving Hydrologic Modeling Using Cloud-Free MODIS Flood Maps. Journal of Hydrometeorology, 2019, 20, 2203-2214.	0.7	9
31	PERSIANN-CNN: Precipitation Estimation from Remotely Sensed Information Using Artificial Neural Networksâ€“Convolutional Neural Networks. Journal of Hydrometeorology, 2019, 20, 2273-2289.	0.7	97
32	Improving Monsoon Precipitation Prediction Using Combined Convolutional and Long Short Term Memory Neural Network. Water (Switzerland), 2019, 11, 977.	1.2	78
33	Assessment of seven CMIP5 model precipitation extremes over Iran based on a satelliteâ€based climate data set. International Journal of Climatology, 2019, 39, 3505-3522.	1.5	26
34	Improving Precipitation Estimation Using Convolutional Neural Network. Water Resources Research, 2019, 55, 2301-2321.	1.7	142
35	Predicting floods in a large karst river basin by coupling PERSIANN-CCS QPEs with a physically based distributed hydrological model. Hydrology and Earth System Sciences, 2019, 23, 1505-1532.	1.9	18
36	The Evolution of Bits and Bottlenecks in a Scientific Workflow Trying to Keep Up with Technology: Accelerating 4D Image Segmentation Applied to NASA Data. , 2019, , .		1

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37	Evaluation of PERSIANN-CDR Constructed Using GPCP V2.2 and V2.3 and A Comparison with TRMM 3B42 V7 and CPC Unified Gauge-Based Analysis in Global Scale. Remote Sensing, 2019, 11, 2755.	1.8	18
38	Precipitation Prediction Skill for the West Coast United States: From Short to Extended Range. Journal of Climate, 2019, 32, 161-182.	1.2	31
39	The CHRS Data Portal, an easily accessible public repository for PERSIANN global satellite precipitation data. Scientific Data, 2019, 6, 180296.	2.4	182
40	A cloud-free MODIS snow cover dataset for the contiguous United States from 2000 to 2017. Scientific Data, 2019, 6, 180300.	2.4	29
41	Methods to Estimate Optimal Parameters. , 2019, , 523-561.		1
42	Shuffled Complex-Self Adaptive Hybrid EvoLution (SC-SAHEL) optimization framework. Environmental Modelling and Software, 2018, 104, 215-235.	1.9	29
43	A Two-Stage Deep Neural Network Framework for Precipitation Estimation from Bispectral Satellite Information. Journal of Hydrometeorology, 2018, 19, 393-408.	0.7	60
44	A Review of Global Precipitation Data Sets: Data Sources, Estimation, and Intercomparisons. Reviews of Geophysics, 2018, 56, 79-107.	9.0	1,129
45	Global Precipitation Trends across Spatial Scales Using Satellite Observations. Bulletin of the American Meteorological Society, 2018, 99, 689-697.	1.7	45
46	The PERSIANN family of global satellite precipitation data: a review and evaluation of products. Hydrology and Earth System Sciences, 2018, 22, 5801-5816.	1.9	151
47	Defining the Role of Water Resources Systems Analysis in a Changing Future. Journal of Water Resources Planning and Management - ASCE, 2018, 144, .	1.3	12
48	Bias adjustment of satellite-based precipitation estimation using artificial neural networks-cloud classification system over Saudi Arabia. Arabian Journal of Geosciences, 2018, 11, 1.	0.6	7
49	Shortâ€Term Precipitation Forecast Based on the PERSIANN System and LSTM Recurrent Neural Networks. Journal of Geophysical Research D: Atmospheres, 2018, 123, 12,543.	1.2	75
50	Developing Intensityâ€Durationâ€Frequency (IDF) Curves From Satelliteâ€Based Precipitation: Methodology and Evaluation. Water Resources Research, 2018, 54, 7752-7766.	1.7	69
51	Modeling and simulating of reservoir operation using the artificial neural network, support vector regression, deep learning algorithm. Journal of Hydrology, 2018, 565, 720-736.	2.3	238
52	Rainfall frequency analysis for ungauged regions using remotely sensed precipitation information. Journal of Hydrology, 2018, 563, 123-142.	2.3	45
53	Method to Estimate Optimal Parameters. , 2018, , 1-39.		3
54	Precipitation Identification with Bispectral Satellite Information Using Deep Learning Approaches. Journal of Hydrometeorology, 2017, 18, 1271-1283.	0.7	47

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55	Merging highâ€resolution satelliteâ€based precipitation fields and pointâ€scale rain gauge measurementsâ€”A case study in Chile. Journal of Geophysical Research D: Atmospheres, 2017, 122, 5267-5284.	1.2	50
56	Intercomparison of PERSIANN-CDR and TRMM-3B42V7 precipitation estimates at monthly and daily time scales. Atmospheric Research, 2017, 193, 36-49.	1.8	73
57	Bias adjustment of infraredâ€based rainfall estimation using Passive Microwave satellite rainfall data. Journal of Geophysical Research D: Atmospheres, 2017, 122, 3859-3876.	1.2	28
58	Developing reservoir monthly inflow forecasts using artificial intelligence and climate phenomenon information. Water Resources Research, 2017, 53, 2786-2812.	1.7	230
59	Rainfall frequency analysis for ungauged sites using satellite precipitation products. Journal of Hydrology, 2017, 554, 646-655.	2.3	45
60	An enhanced artificial neural network with a shuffled complex evolutionary global optimization with principal component analysis. Information Sciences, 2017, 418-419, 302-316.	4.0	82
61	Exploring Trends through â€œRainSphereâ€: Research data transformed into public knowledge. Bulletin of the American Meteorological Society, 2017, 98, 653-658.	1.7	11
62	Evaluation of CMIP5 Model Precipitation Using PERSIANN-CDR. Journal of Hydrometeorology, 2017, 18, 2313-2330.	0.7	31
63	Trends of precipitation extreme indices over a subtropical semi-arid area using PERSIANN-CDR. Theoretical and Applied Climatology, 2017, 130, 249-260.	1.3	36
64	Genesis, Pathways, and Terminations of Intense Global Water Vapor Transport in Association with Largeâ€Scale Climate Patterns. Geophysical Research Letters, 2017, 44, 12,465.	1.5	37
65	Evaluating the streamflow simulation capability of PERSIANN-CDR daily rainfall products in two river basins on the Tibetan Plateau. Hydrology and Earth System Sciences, 2017, 21, 169-181.	1.9	153
66	Object-Based Assessment of Satellite Precipitation Products. Remote Sensing, 2016, 8, 547.	1.8	17
67	Deep neural networks for precipitation estimation from remotely sensed information. , 2016, , .		17
68	Simulating California reservoir operation using the classification and regressionâ€tree algorithm combined with a shuffled crossâ€validation scheme. Water Resources Research, 2016, 52, 1626-1651.	1.7	135
69	Assessing the Efficacy of High-Resolution Satellite-Based PERSIANN-CDR Precipitation Product in Simulating Streamflow. Journal of Hydrometeorology, 2016, 17, 2061-2076.	0.7	62
70	Bias adjustment of satelliteâ€based precipitation estimation using gauge observations: A case study in Chile. Journal of Geophysical Research D: Atmospheres, 2016, 121, 3790-3806.	1.2	52
71	Quantifying the reliability of four global datasets for drought monitoring over a semiarid region. Theoretical and Applied Climatology, 2016, 123, 387-398.	1.3	34
72	A high resolution coupled hydrologicâ€“hydraulic model (HiResFlood-UCI) for flash flood modeling. Journal of Hydrology, 2016, 541, 401-420.	2.3	98

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73	Using Densely Distributed Soil Moisture Observations for Calibration of a Hydrologic Model. Journal of Hydrometeorology, 2016, 17, 571-590.	0.7	20
74	Evaluation of NASAâ€™s MERRA Precipitation Product in Reproducing the Observed Trend and Distribution of Extreme Precipitation Events in the United States. Journal of Hydrometeorology, 2016, 17, 693-711.	0.7	23
75	A Deep Neural Network Modeling Framework to Reduce Bias in Satellite Precipitation Products. Journal of Hydrometeorology, 2016, 17, 931-945.	0.7	103
76	Cloud Classification and its Application in Reducing False Rain. Springer Theses, 2015, , 43-63.	0.0	0
77	Evaluation of the PERSIANN-CDR Daily Rainfall Estimates in Capturing the Behavior of Extreme Precipitation Events over China. Journal of Hydrometeorology, 2015, 16, 1387-1396.	0.7	218
78	PERSIANN-CDR: Daily Precipitation Climate Data Record from Multisatellite Observations for Hydrological and Climate Studies. Bulletin of the American Meteorological Society, 2015, 96, 69-83.	1.7	936
79	An object-based approach for verification of precipitation estimation. International Journal of Remote Sensing, 2015, 36, 513-529.	1.3	26
80	An Object-Oriented Approach to Investigate Impacts of Climate Oscillations on Precipitation: A Western United States Case Study. Journal of Hydrometeorology, 2015, 16, 830-842.	0.7	24
81	Assessment of the Spatial and Seasonal Variation of the Errorâ€“Intensity Relationship in Satellite-Based Precipitation Measurements Using an Adaptive Parametric Model. Journal of Hydrometeorology, 2015, 16, 1700-1716.	0.7	3
82	Flood Forecasting and Inundation Mapping Using HiResFlood-UCI and Near-Real-Time Satellite Precipitation Data: The 2008 Iowa Flood. Journal of Hydrometeorology, 2015, 16, 1171-1183.	0.7	56
83	Evaluation for Moroccan dynamically downscaled precipitation from GCM CHAM5 and its regional hydrologic response. Journal of Hydrology: Regional Studies, 2015, 3, 359-378.	1.0	8
84	Improving the multi-objective evolutionary optimization algorithm for hydropower reservoir operations in the California Orovilleâ€“Thermalito complex. Environmental Modelling and Software, 2015, 69, 262-279.	1.9	102
85	How well do CMIP5 climate simulations replicate historical trends and patterns of meteorological droughts?. Water Resources Research, 2015, 51, 2847-2864.	1.7	94
86	A Statistical Model for the Uncertainty Analysis of Satellite Precipitation Products. Journal of Hydrometeorology, 2015, 16, 2101-2117.	0.7	22
87	Introduction to the Current State of Satellite Precipitation Products. Springer Theses, 2015, , 1-5.	0.0	1
88	False Alarm in Satellite Precipitation Data. Springer Theses, 2015, , 7-12.	0.0	1
89	Evaluating the Utah Energy Balance (UEB) snow model in the Noah land-surface model. Hydrology and Earth System Sciences, 2014, 18, 3553-3570.	1.9	15
90	Challenges of Operational River Forecasting. Journal of Hydrometeorology, 2014, 15, 1692-1707.	0.7	127

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91	Evaluation and comparison of satellite precipitation estimates with reference to a local area in the Mediterranean Sea. Atmospheric Research, 2014, 138, 189-204.	1.8	114
92	Watershed rainfall forecasting using neuro-fuzzy networks with the assimilation of multi-sensor information. Journal of Hydrology, 2014, 508, 374-384.	2.3	60
93	Satellite-based remote sensing estimation of precipitation for early warning systems. , 2014, , 99-112.		14
94	Influence of irrigation on land hydrological processes over California. Journal of Geophysical Research D: Atmospheres, 2014, 119, 13,137.	1.2	35
95	Satellites Track Precipitation of Super Typhoon Haiyan. Eos, 2014, 95, 133-135.	0.1	31
96	Short-term quantitative precipitation forecasting using an object-based approach. Journal of Hydrology, 2013, 483, 1-15.	2.3	35
97	Evaluation of satellite-based precipitation estimation over Iran. Journal of Arid Environments, 2013, 97, 205-219.	1.2	108
98	Methods of Tail Dependence Estimation. Water Science and Technology Library, 2013, , 163-179.	0.2	12
99	The distributed model intercomparison project â€“ Phase 2: Experiment design and summary results of the western basin experiments. Journal of Hydrology, 2013, 507, 300-329.	2.3	38
100	The Potential of Precipitation Remote Sensing for Water Resources Vulnerability Assessment in Arid Southwestern United States. , 2013, , 141-149.		3
101	Computational Earth Science: Big Data Transformed Into Insight. Eos, 2013, 94, 277-278.	0.1	59
102	An Artificial Neural Network Model to Reduce False Alarms in Satellite Precipitation Products Using MODIS and CloudSat Observations. Journal of Hydrometeorology, 2013, 14, 1872-1883.	0.7	38
103	Review of Parameterization and Parameter Estimation for Hydrologic Models. , 2013, , 127-140.		3
104	Assessing the Impacts of Different WRF Precipitation Physics in Hurricane Simulations. Weather and Forecasting, 2012, 27, 1003-1016.	0.5	79
105	Evaluating several satellite precipitation estimates and global ground-based dataset on Sicily (Italy). Proceedings of SPIE, 2012, , .	0.8	0
106	To improve model soil moisture estimation in arid/semi-arid region using in situ and remote sensing information. Paddy and Water Environment, 2012, 10, 165-173.	1.0	3
107	Influence of irrigation schemes used in regional climate models on evapotranspiration estimation: Results and comparative studies from California's Central Valley agricultural regions. Journal of Geophysical Research, 2012, 117, .	3.3	43
108	Estimation of daily cloudâ€free, snowâ€covered areas from MODIS based on variational interpolation. Water Resources Research, 2012, 48, .	1.7	16

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109	Evolution of ensemble data assimilation for uncertainty quantification using the particle filterâ€Markov chain Monte Carlo method. Water Resources Research, 2012, 48, .	1.7	190
110	Quantitative Precipitation Nowcasting: A Lagrangian Pixel-Based Approach. Atmospheric Research, 2012, 118, 418-434.	1.8	38
111	From lumped to distributed via semi-distributed: Calibration strategies for semi-distributed hydrologic models. Journal of Hydrology, 2012, 418-419, 61-77.	2.3	115
112	Results of the DMIP 2 Oklahoma experiments. Journal of Hydrology, 2012, 418-419, 17-48.	2.3	97
113	Summertime evaluation of REFAME over the Unites States for near real-time high resolution precipitation estimation. Journal of Hydrology, 2012, 456-457, 130-138.	2.3	7
114	Consistency of spatial patterns of the daily precipitation field in the western United States and its application to precipitation disaggregation. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	3
115	Evaluation of satellite-retrieved extreme precipitation rates across the central United States. Journal of Geophysical Research, 2011, 116, .	3.3	240
116	How significant is the impact of irrigation on the local hydroclimate in Californiaâ€™s Central Valley? Comparison of model results with ground and remote-sensing data. Journal of Geophysical Research, 2011, 116, .	3.3	93
117	Modification of the National Weather Service Distributed Hydrologic Model for subsurface water exchanges between grids. Water Resources Research, 2011, 47, .	1.7	5
118	Hydrologic evaluation of satellite precipitation products over a mid-size basin. Journal of Hydrology, 2011, 397, 225-237.	2.3	297
119	A Solution to the Crucial Problem of Population Degeneration in High-Dimensional Evolutionary Optimization. IEEE Systems Journal, 2011, 5, 362-373.	2.9	19
120	A new evolutionary search strategy for global optimization of high-dimensional problems. Information Sciences, 2011, 181, 4909-4927.	4.0	87
121	Handling boundary constraints for particle swarm optimization in high-dimensional search space. Information Sciences, 2011, 181, 4569-4581.	4.0	64
122	Fortify particle swam optimizer (PSO) with principal components analysis: A case study in improving bound-handling for optimizing high-dimensional and complex problems. , 2011, , .		4
123	Advanced Concepts on Remote Sensing of Precipitation at Multiple Scales. Bulletin of the American Meteorological Society, 2011, 92, 1353-1357.	1.7	192
124	Geometrical Characterization of Precipitation Patterns. Journal of Hydrometeorology, 2011, 12, 274-285.	0.7	51
125	Advancing the Remote Sensing of Precipitation. Bulletin of the American Meteorological Society, 2011, 92, 1271-1272.	1.7	45
126	Daytime Precipitation Estimation Using Bispectral Cloud Classification System. Journal of Applied Meteorology and Climatology, 2010, 49, 1015-1031.	0.6	38

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127	Classification and regression tree (CART) analysis for indicator bacterial concentration prediction for a Californian coastal area. Water Science and Technology, 2010, 61, 545-553.	1.2	18
128	REFAME: Rain Estimation Using Forward-Adjusted Advection of Microwave Estimates. Journal of Hydrometeorology, 2010, 11, 1305-1321.	0.7	40
129	Extreme Precipitation Estimation Using Satellite-Based PERSIANN-CCS Algorithm. , 2010, , 49-67.		13
130	Improving the shuffled complex evolution scheme for optimization of complex nonlinear hydrological systems: Application to the calibration of the Sacramento soilâ€moisture accounting model. Water Resources Research, 2010, 46, .	1.7	47
131	MODEL CALIBRATION IN WATERSHED HYDROLOGY. , 2010, , 53-105.		16
132	Scientific Verification of Deterministic River Stage Forecasts. Journal of Hydrometeorology, 2009, 10, 507-520.	0.7	11
133	Two Different Modeling Approaches to Predict the Biological Contaminations in Aliso Creek, California. Proceedings of the Water Environment Federation, 2009, 2009, 5048-5055.	0.0	0
134	PERSIANN-MSA: A Precipitation Estimation Method from Satellite-Based Multispectral Analysis. Journal of Hydrometeorology, 2009, 10, 1414-1429.	0.7	102
135	Evaluating the Utility of Multispectral Information in Delineating the Areal Extent of Precipitation. Journal of Hydrometeorology, 2009, 10, 684-700.	0.7	42
136	LMODEL: A Satellite Precipitation Methodology Using Cloud Development Modeling. Part II: Validation. Journal of Hydrometeorology, 2009, 10, 1096-1108.	0.7	19
137	LMODEL: A Satellite Precipitation Methodology Using Cloud Development Modeling. Part I: Algorithm Construction and Calibration. Journal of Hydrometeorology, 2009, 10, 1081-1095.	0.7	30
138	Bias Adjustment of Satellite Precipitation Estimation Using Ground-Based Measurement: A Case Study Evaluation over the Southwestern United States. Journal of Hydrometeorology, 2009, 10, 1231-1242.	0.7	87
139	A sequential Bayesian approach for hydrologic model selection and prediction. Water Resources Research, 2009, 45, .	1.7	74
140	Reply to Comment by B. Renard et al. on â€œAn integrated hydrologic Bayesian multimodel combination framework: Confronting input, parameter, and model structural uncertainty in hydrologic predictionâ€• Water Resources Research, 2009, 45, .	1.7	6
141	Identification and Application of Physical and Chemical Parameters to Predict Indicator Bacterial Concentration in a Small Californian Creek. Water Environment Research, 2009, 81, 633-640.	1.3	3
142	General Review of Rainfall-Runoff Modeling: Model Calibration, Data Assimilation, and Uncertainty Analysis. Water Science and Technology Library, 2009, , 1-24.	0.2	94
143	Satellite-Based Precipitation Measurement Using PERSIANN System. Water Science and Technology Library, 2009, , 27-48.	0.2	19
144	Operational snow modeling: Addressing the challenges of an energy balance model for National Weather Service forecasts. Journal of Hydrology, 2008, 360, 48-66.	2.3	79

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145	Estimation of surface longwave radiation components from groundâ€based historical net radiation and weather data. Journal of Geophysical Research, 2008, 113, .	3.3	9
146	Comment on â€œDynamically dimensioned search algorithm for computationally efficient watershed model calibrationâ€•by Bryan A. Tolson and Christine A. Shoemaker. Water Resources Research, 2008, 44, .	1.7	25
147	Using airborne lidar to predict Leaf Area Index in cottonwood trees and refine riparian water-use estimates. Journal of Arid Environments, 2008, 72, 1-15.	1.2	55
148	Snow Model Verification Using Ensemble Prediction and Operational Benchmarks. Journal of Hydrometeorology, 2008, 9, 1402-1415.	0.7	21
149	Influence of Spatial Resolution on Diurnal Variability during the North American Monsoon. Journal of Climate, 2008, 21, 3967-3988.	1.2	12
150	Toward Improved Hydrologic Prediction with Reduced Uncertainty Using Sequential Multi-Model Combination. , 2008, , .		0
151	Model Performance of Downscaling 1999â€“2004 Hydrometeorological Fields to the Upper Rio Grande Basin Using Different Forcing Datasets. Journal of Hydrometeorology, 2008, 9, 677-694.	0.7	3
152	Evaluation of PERSIANN-CCS Rainfall Measurement Using the NAME Event Rain Gauge Network. Journal of Hydrometeorology, 2007, 8, 469-482.	0.7	194
153	Modeling Intraseasonal Features of 2004 North American Monsoon Precipitation. Journal of Climate, 2007, 20, 1882-1896.	1.2	11
154	Hydrologic Verification: A Call for Action and Collaboration. Bulletin of the American Meteorological Society, 2007, 88, 503-512.	1.7	59
155	Calibration of Probabilistic Quantitative Precipitation Forecasts with an Artificial Neural Network. Weather and Forecasting, 2007, 22, 1287-1303.	0.5	39
156	Modeling and Analysis of the Variability of the Water Cycle in the Upper Rio Grande Basin at High Resolution. Journal of Hydrometeorology, 2007, 8, 805-824.	0.7	8
157	Short-Range Probabilistic Quantitative Precipitation Forecasts over the Southwest United States by the RSM Ensemble System. Monthly Weather Review, 2007, 135, 1685-1698.	0.5	17
158	Modelling hydrological processes in arid and semi-arid areas: an introduction. , 2007, , 1-20.		18
159	KINEROS2 and the AGWA modelling Framework. , 2007, , 49-68.		18
160	The modular modelling system (MMS): a toolbox for water and environmental resources management. , 2007, , 87-98.		3
161	Calibration, uncertainty, and regional analysis of conceptual rainfall-runoff models. , 2007, , 99-112.		2
162	Merging multiple precipitation sources for flash flood forecasting. Journal of Hydrology, 2007, 340, 183-196.	2.3	91

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163	An integrated hydrologic Bayesian multimodel combination framework: Confronting input, parameter, and model structural uncertainty in hydrologic prediction. Water Resources Research, 2007, 43, .	1.7	466
164	Multi-model ensemble hydrologic prediction using Bayesian model averaging. Advances in Water Resources, 2007, 30, 1371-1386.	1.7	537
165	Rainfall Estimation Using a Cloud Patch Classification Map. , 2007, , 329-342.		8
166	Multimodel Combination Techniques for Analysis of Hydrological Simulations: Application to Distributed Model Intercomparison Project Results. Journal of Hydrometeorology, 2006, 7, 755-768.	0.7	162
167	Satelliteâ€based precipitation estimation using watershed segmentation and growing hierarchical selfâ€organizing map. International Journal of Remote Sensing, 2006, 27, 5165-5184.	1.3	22
168	Parameter sensitivity analysis for different complexity land surface models using multicriteria methods. Journal of Geophysical Research, 2006, 111, .	3.3	65
169	Influence of assimilating rainfall derived from WSR-88D radar on the rainstorm forecasts over the southwestern United States. Journal of Geophysical Research, 2006, 111, .	3.3	6
170	Uncertainty quantification of satellite precipitation estimation and Monte Carlo assessment of the error propagation into hydrologic response. Water Resources Research, 2006, 42, .	1.7	188
171	Evaluating model performance and parameter behavior for varying levels of land surface model complexity. Water Resources Research, 2006, 42, .	1.7	53
172	Investigating the impact of remotely sensed precipitation and hydrologic model uncertainties on the ensemble streamflow forecasting. Geophysical Research Letters, 2006, 33, .	1.5	65
173	A â€˜User-Friendlyâ€™ approach to parameter estimation in hydrologic models. Journal of Hydrology, 2006, 320, 202-217.	2.3	49
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