

Soroosh Sorooshian

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1328730/publications.pdf>

Version: 2024-02-01

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	Effective and efficient global optimization for conceptual rainfall-runoff models. <i>Water Resources Research</i> , 1992, 28, 1015-1031.	1.7	2,584
2	A modified soil adjusted vegetation index. <i>Remote Sensing of Environment</i> , 1994, 48, 119-126.	4.6	2,134
3	Status of Automatic Calibration for Hydrologic Models: Comparison with Multilevel Expert Calibration. <i>Journal of Hydrologic Engineering - ASCE</i> , 1999, 4, 135-143.	0.8	1,573
4	Shuffled complex evolution approach for effective and efficient global minimization. <i>Journal of Optimization Theory and Applications</i> , 1993, 76, 501-521.	0.8	1,338
5	Artificial Neural Network Modeling of the Rainfall-Runoff Process. <i>Water Resources Research</i> , 1995, 31, 2517-2530.	1.7	1,198
6	Toward improved calibration of hydrologic models: Multiple and noncommensurable measures of information. <i>Water Resources Research</i> , 1998, 34, 751-763.	1.7	1,154
7	A Review of Global Precipitation Data Sets: Data Sources, Estimation, and Intercomparisons. <i>Reviews of Geophysics</i> , 2018, 56, 79-107.	9.0	1,129
8	Optimal use of the SCE-UA global optimization method for calibrating watershed models. <i>Journal of Hydrology</i> , 1994, 158, 265-284.	2.3	1,091
9	Evaluation of PERSIANN System Satellite-Based Estimates of Tropical Rainfall. <i>Bulletin of the American Meteorological Society</i> , 2000, 81, 2035-2046.	1.7	1,063
10	PERSIANN-CDR: Daily Precipitation Climate Data Record from Multisatellite Observations for Hydrological and Climate Studies. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 69-83.	1.7	936
11	A Shuffled Complex Evolution Metropolis algorithm for optimization and uncertainty assessment of hydrologic model parameters. <i>Water Resources Research</i> , 2003, 39, .	1.7	914
12	Precipitation Estimation from Remotely Sensed Information Using Artificial Neural Networks. <i>Journal of Applied Meteorology and Climatology</i> , 1997, 36, 1176-1190.	1.7	833
13	Multi-objective global optimization for hydrologic models. <i>Journal of Hydrology</i> , 1998, 204, 83-97.	2.3	771
14	Dual state parameter estimation of hydrological models using ensemble Kalman filter. <i>Advances in Water Resources</i> , 2005, 28, 135-147.	1.7	753
15	Precipitation Estimation from Remotely Sensed Imagery Using an Artificial Neural Network Cloud Classification System. <i>Journal of Applied Meteorology and Climatology</i> , 2004, 43, 1834-1853.	1.7	661
16	Uncertainty assessment of hydrologic model states and parameters: Sequential data assimilation using the particle filter. <i>Water Resources Research</i> , 2005, 41, .	1.7	556
17	Toward improved calibration of hydrologic models: Combining the strengths of manual and automatic methods. <i>Water Resources Research</i> , 2000, 36, 3663-3674.	1.7	537
18	Model Parameter Estimation Experiment (MOPEX): An overview of science strategy and major results from the second and third workshops. <i>Journal of Hydrology</i> , 2006, 320, 3-17.	2.3	537

#	ARTICLE	IF	CITATIONS
19	Multi-model ensemble hydrologic prediction using Bayesian model averaging. <i>Advances in Water Resources</i> , 2007, 30, 1371-1386.	1.7	537
20	Automatic calibration of conceptual rainfall-runoff models: sensitivity to calibration data. <i>Journal of Hydrology</i> , 1996, 181, 23-48.	2.3	486
21	Effective and efficient algorithm for multiobjective optimization of hydrologic models. <i>Water Resources Research</i> , 2003, 39, .	1.7	479
22	An integrated hydrologic Bayesian multimodel combination framework: Confronting input, parameter, and model structural uncertainty in hydrologic prediction. <i>Water Resources Research</i> , 2007, 43, .	1.7	466
23	A framework for development and application of hydrological models. <i>Hydrology and Earth System Sciences</i> , 2001, 5, 13-26.	1.9	443
24	Calibration of rainfall-runoff models: Application of global optimization to the Sacramento Soil Moisture Accounting Model. <i>Water Resources Research</i> , 1993, 29, 1185-1194.	1.7	425
25	Bayesian recursive parameter estimation for hydrologic models. <i>Water Resources Research</i> , 2001, 37, 2521-2535.	1.7	351
26	Stochastic parameter estimation procedures for hydrologic rainfall-runoff models: Correlated and heteroscedastic error cases. <i>Water Resources Research</i> , 1980, 16, 430-442.	1.7	343
27	Hydrologic evaluation of satellite precipitation products over a mid-size basin. <i>Journal of Hydrology</i> , 2011, 397, 225-237.	2.3	297
28	Impact of small-scale spatial rainfall variability on runoff modeling. <i>Journal of Hydrology</i> , 1995, 173, 309-326.	2.3	292
29	Evaluation of Maximum Likelihood Parameter estimation techniques for conceptual rainfall-runoff models: Influence of calibration data variability and length on model credibility. <i>Water Resources Research</i> , 1983, 19, 251-259.	1.7	248
30	Parameter estimation of a land surface scheme using multicriteria methods. <i>Journal of Geophysical Research</i> , 1999, 104, 19491-19503.	3.3	246
31	Evaluation of satellite-retrieved extreme precipitation rates across the central United States. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	240
32	Modeling and simulating of reservoir operation using the artificial neural network, support vector regression, deep learning algorithm. <i>Journal of Hydrology</i> , 2018, 565, 720-736.	2.3	238
33	Calibration of a semi-distributed hydrologic model for streamflow estimation along a river system. <i>Journal of Hydrology</i> , 2004, 298, 112-135.	2.3	234
34	Developing reservoir monthly inflow forecasts using artificial intelligence and climate phenomenon information. <i>Water Resources Research</i> , 2017, 53, 2786-2812.	1.7	230
35	Comparison of simple versus complex distributed runoff models on a mid-sized semiarid watershed. <i>Water Resources Research</i> , 1994, 30, 593-605.	1.7	229
36	Evaluation of the PERSIANN-CDR Daily Rainfall Estimates in Capturing the Behavior of Extreme Precipitation Events over China. <i>Journal of Hydrometeorology</i> , 2015, 16, 1387-1396.	0.7	218

#	ARTICLE	IF	CITATIONS
37	Intercomparison of Rain Gauge, Radar, and Satellite-Based Precipitation Estimates with Emphasis on Hydrologic Forecasting. <i>Journal of Hydrometeorology</i> , 2005, 6, 497-517.	0.7	217
38	Toward improved streamflow forecasts: value of semidistributed modeling. <i>Water Resources Research</i> , 2001, 37, 2749-2759.	1.7	211
39	Measurement and analysis of small-scale convective storm rainfall variability. <i>Journal of Hydrology</i> , 1995, 173, 283-308.	2.3	208
40	Self-organizing linear output map (SOLO): An artificial neural network suitable for hydrologic modeling and analysis. <i>Water Resources Research</i> , 2002, 38, 38-1-38-17.	1.7	203
41	Evaluation of PERSIANN-CCS Rainfall Measurement Using the NAME Event Rain Gauge Network. <i>Journal of Hydrometeorology</i> , 2007, 8, 469-482.	0.7	194
42	Spatial characteristics of thunderstorm rainfall fields and their relation to runoff. <i>Journal of Hydrology</i> , 2003, 271, 1-21.	2.3	193
43	Advanced Concepts on Remote Sensing of Precipitation at Multiple Scales. <i>Bulletin of the American Meteorological Society</i> , 2011, 92, 1353-1357.	1.7	192
44	Integrated Multi-satellite Retrievals for the Global Precipitation Measurement (GPM) Mission (IMERG). <i>Advances in Global Change Research</i> , 2020, , 343-353.	1.6	191
45	Evolution of ensemble data assimilation for uncertainty quantification using the particle filter—Markov chain Monte Carlo method. <i>Water Resources Research</i> , 2012, 48, .	1.7	190
46	Automatic calibration of conceptual rainfall—runoff models: The question of parameter observability and uniqueness. <i>Water Resources Research</i> , 1983, 19, 260-268.	1.7	188
47	SuomiNet: A Real-Time National GPS Network for Atmospheric Research and Education. <i>Bulletin of the American Meteorological Society</i> , 2000, 81, 677-694.	1.7	188
48	Uncertainty quantification of satellite precipitation estimation and Monte Carlo assessment of the error propagation into hydrologic response. <i>Water Resources Research</i> , 2006, 42, .	1.7	188
49	Improved streamflow forecasting using self-organizing radial basis function artificial neural networks. <i>Journal of Hydrology</i> , 2004, 295, 246-262.	2.3	183
50	The CHRS Data Portal, an easily accessible public repository for PERSIANN global satellite precipitation data. <i>Scientific Data</i> , 2019, 6, 180296.	2.4	182
51	Sensitivity analysis of a land surface scheme using multicriteria methods. <i>Journal of Geophysical Research</i> , 1999, 104, 19481-19490.	3.3	169
52	Confidence Builders: Evaluating Seasonal Climate Forecasts from User Perspectives. <i>Bulletin of the American Meteorological Society</i> , 2002, 83, 683-698.	1.7	168
53	Estimation of physical variables from multichannel remotely sensed imagery using a neural network: Application to rainfall estimation. <i>Water Resources Research</i> , 1999, 35, 1605-1618.	1.7	166
54	Multimodel Combination Techniques for Analysis of Hydrological Simulations: Application to Distributed Model Intercomparison Project Results. <i>Journal of Hydrometeorology</i> , 2006, 7, 755-768.	0.7	162

#	ARTICLE	IF	CITATIONS
55	Diurnal Variability of Tropical Rainfall Retrieved from Combined GOES and TRMM Satellite Information. <i>Journal of Climate</i> , 2002, 15, 983-1001.	1.2	157
56	Evaluating the streamflow simulation capability of PERSIANN-CDR daily rainfall products in two river basins on the Tibetan Plateau. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 169-181.	1.9	153
57	The PERSIANN family of global satellite precipitation data: a review and evaluation of products. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 5801-5816.	1.9	151
58	Improving Precipitation Estimation Using Convolutional Neural Network. <i>Water Resources Research</i> , 2019, 55, 2301-2321.	1.7	142
59	Leaf Area Index Estimates Using Remotely Sensed Data and BRDF Models in a Semiarid Region. <i>Remote Sensing of Environment</i> , 2000, 73, 18-30.	4.6	137
60	Spatial patterns in thunderstorm rainfall events and their coupling with watershed hydrological response. <i>Advances in Water Resources</i> , 2006, 29, 843-860.	1.7	137
61	Toward improved identifiability of hydrologic model parameters: The information content of experimental data. <i>Water Resources Research</i> , 2002, 38, 48-1-48-13.	1.7	135
62	Simulating California reservoir operation using the classification and regression tree algorithm combined with a shuffled cross-validation scheme. <i>Water Resources Research</i> , 2016, 52, 1626-1651.	1.7	135
63	A Multistep Automatic Calibration Scheme for River Forecasting Models. <i>Journal of Hydrometeorology</i> , 2000, 1, 524-542.	0.7	134
64	Challenges of Operational River Forecasting. <i>Journal of Hydrometeorology</i> , 2014, 15, 1692-1707.	0.7	127
65	On the simulation of infiltration- and saturation-excess runoff using radar-based rainfall estimates: Effects of algorithm uncertainty and pixel aggregation. <i>Water Resources Research</i> , 1998, 34, 2655-2670.	1.7	126
66	Effect of rainfall-sampling errors on simulations of desert flash floods. <i>Water Resources Research</i> , 1994, 30, 2765-2775.	1.7	124
67	Verification of National Weather Service Ensemble Streamflow Predictions for Water Supply Forecasting in the Colorado River Basin. <i>Journal of Hydrometeorology</i> , 2003, 4, 1105-1118.	0.7	119
68	Evaluation and Transferability of the Noah Land Surface Model in Semiarid Environments. <i>Journal of Hydrometeorology</i> , 2005, 6, 68-84.	0.7	119
69	Uniqueness and observability of conceptual rainfall-runoff model parameters: The percolation process examined. <i>Water Resources Research</i> , 1983, 19, 269-276.	1.7	117
70	The relationship between data and the precision of parameter estimates of hydrologic models. <i>Journal of Hydrology</i> , 1985, 81, 57-77.	2.3	116
71	From lumped to distributed via semi-distributed: Calibration strategies for semi-distributed hydrologic models. <i>Journal of Hydrology</i> , 2012, 418-419, 61-77.	2.3	115
72	Evaluation and comparison of satellite precipitation estimates with reference to a local area in the Mediterranean Sea. <i>Atmospheric Research</i> , 2014, 138, 189-204.	1.8	114

#	ARTICLE	IF	CITATIONS
73	Evaluation of satellite-based precipitation estimation over Iran. <i>Journal of Arid Environments</i> , 2013, 97, 205-219.	1.2	108
74	A Deep Neural Network Modeling Framework to Reduce Bias in Satellite Precipitation Products. <i>Journal of Hydrometeorology</i> , 2016, 17, 931-945.	0.7	103
75	PERSIANN-MSA: A Precipitation Estimation Method from Satellite-Based Multispectral Analysis. <i>Journal of Hydrometeorology</i> , 2009, 10, 1414-1429.	0.7	102
76	Improving the multi-objective evolutionary optimization algorithm for hydropower reservoir operations in the California Orovilleâ€™Thermalito complex. <i>Environmental Modelling and Software</i> , 2015, 69, 262-279.	1.9	102
77	A chaotic approach to rainfall disaggregation. <i>Water Resources Research</i> , 2001, 37, 61-72.	1.7	98
78	A high resolution coupled hydrologicâ€™hydraulic model (HiResFlood-UCI) for flash flood modeling. <i>Journal of Hydrology</i> , 2016, 541, 401-420.	2.3	98
79	Results of the DMIP 2 Oklahoma experiments. <i>Journal of Hydrology</i> , 2012, 418-419, 17-48.	2.3	97
80	PERSIANN-CNN: Precipitation Estimation from Remotely Sensed Information Using Artificial Neural Networksâ€™Convolutional Neural Networks. <i>Journal of Hydrometeorology</i> , 2019, 20, 2273-2289.	0.7	97
81	The Automatic Calibration of Conceptual Catchment Models Using Derivativeâ€™Based Optimization Algorithms. <i>Water Resources Research</i> , 1985, 21, 473-485.	1.7	95
82	Application of stochastic parameter optimization to the Sacramento Soil Moisture Accounting model. <i>Journal of Hydrology</i> , 2006, 325, 288-307.	2.3	95
83	How well do CMIP5 climate simulations replicate historical trends and patterns of meteorological droughts?. <i>Water Resources Research</i> , 2015, 51, 2847-2864.	1.7	94
84	General Review of Rainfall-Runoff Modeling: Model Calibration, Data Assimilation, and Uncertainty Analysis. <i>Water Science and Technology Library</i> , 2009, , 1-24.	0.2	94
85	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. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	93
86	Merging multiple precipitation sources for flash flood forecasting. <i>Journal of Hydrology</i> , 2007, 340, 183-196.	2.3	91
87	Evaluation of Official Western U.S. Seasonal Water Supply Outlooks, 1922â€™2002. <i>Journal of Hydrometeorology</i> , 2004, 5, 896-909.	0.7	90
88	A Microwave Infrared Threshold Technique to Improve the GOES Precipitation Index. <i>Journal of Applied Meteorology and Climatology</i> , 1999, 38, 569-579.	1.7	88
89	Estimating Rainfall Intensities from Weather Radar Data: The Scale-Dependency Problem. <i>Journal of Hydrometeorology</i> , 2003, 4, 782-797.	0.7	87
90	Bias Adjustment of Satellite Precipitation Estimation Using Ground-Based Measurement: A Case Study Evaluation over the Southwestern United States. <i>Journal of Hydrometeorology</i> , 2009, 10, 1231-1242.	0.7	87

#	ARTICLE	IF	CITATIONS
91	A new evolutionary search strategy for global optimization of high-dimensional problems. Information Sciences, 2011, 181, 4909-4927.	4.0	87
92	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
93	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
94	Assessing the Impacts of Different WRF Precipitation Physics in Hurricane Simulations. Weather and Forecasting, 2012, 27, 1003-1016.	0.5	79
95	Improving Monsoon Precipitation Prediction Using Combined Convolutional and Long Short Term Memory Neural Network. Water (Switzerland), 2019, 11, 977.	1.2	78
96	Comparison of Newton-type and direct search algorithms for calibration of conceptual rainfall-runoff models. Water Resources Research, 1988, 24, 691-700.	1.7	77
97	Short-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
98	A sequential Bayesian approach for hydrologic model selection and prediction. Water Resources Research, 2009, 45, .	1.7	74
99	Comparative Analyses of Physically Based Snowmelt Models for Climate Simulations. Journal of Climate, 1999, 12, 2643-2657.	1.2	73
100	USING CLIMATE FORECASTS FOR WATER MANAGEMENT: ARIZONA AND THE 1997?1998 EL Niño. Journal of the American Water Resources Association, 2001, 37, 1139-1153.	1.0	73
101	Intercomparison of PERSIANN-CDR and TRMM-3B42V7 precipitation estimates at monthly and daily time scales. Atmospheric Research, 2017, 193, 36-49.	1.8	73
102	Developing Intensity-Duration-Frequency (IDF) Curves From Satellite-Based Precipitation: Methodology and Evaluation. Water Resources Research, 2018, 54, 7752-7766.	1.7	69
103	PERSIANN-CCS-CDR, a 3-hourly 0.04° global precipitation climate data record for heavy precipitation studies. Scientific Data, 2021, 8, 157.	2.4	67
104	Parameter sensitivity analysis for different complexity land surface models using multicriteria methods. Journal of Geophysical Research, 2006, 111, .	3.3	65
105	Investigating the impact of remotely sensed precipitation and hydrologic model uncertainties on the ensemble streamflow forecasting. Geophysical Research Letters, 2006, 33, .	1.5	65
106	Advances in automatic calibration of watershed models. Water Science and Application, 2003, , 9-28.	0.3	64
107	Handling boundary constraints for particle swarm optimization in high-dimensional search space. Information Sciences, 2011, 181, 4569-4581.	4.0	64
108	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

#	ARTICLE	IF	CITATIONS
109	The Analysis of Structural Identifiability: Theory and Application to Conceptual Rainfall-Runoff Models. <i>Water Resources Research</i> , 1985, 21, 487-495.	1.7	61
110	Watershed rainfall forecasting using neuro-fuzzy networks with the assimilation of multi-sensor information. <i>Journal of Hydrology</i> , 2014, 508, 374-384.	2.3	60
111	A Two-Stage Deep Neural Network Framework for Precipitation Estimation from Bispectral Satellite Information. <i>Journal of Hydrometeorology</i> , 2018, 19, 393-408.	0.7	60
112	Hydrologic Verification: A Call for Action and Collaboration. <i>Bulletin of the American Meteorological Society</i> , 2007, 88, 503-512.	1.7	59
113	Computational Earth Science: Big Data Transformed Into Insight. <i>Eos</i> , 2013, 94, 277-278.	0.1	59
114	Flood Forecasting and Inundation Mapping Using HiResFlood-UCI and Near-Real-Time Satellite Precipitation Data: The 2008 Iowa Flood. <i>Journal of Hydrometeorology</i> , 2015, 16, 1171-1183.	0.7	56
115	Preface paper to the Semi-Arid Land-Surface-Atmosphere (SALSA) Program special issue. <i>Agricultural and Forest Meteorology</i> , 2000, 105, 3-20.	1.9	55
116	Using airborne lidar to predict Leaf Area Index in cottonwood trees and refine riparian water-use estimates. <i>Journal of Arid Environments</i> , 2008, 72, 1-15.	1.2	55
117	Factors affecting seasonal forecast use in Arizona water management: a case study of the 1997-98 El Niño. <i>Climate Research</i> , 2002, 21, 259-269.	0.4	54
118	Evaluating model performance and parameter behavior for varying levels of land surface model complexity. <i>Water Resources Research</i> , 2006, 42, .	1.7	53
119	Bias adjustment of satellite-based precipitation estimation using gauge observations: A case study in Chile. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 3790-3806.	1.2	52
120	Geometrical Characterization of Precipitation Patterns. <i>Journal of Hydrometeorology</i> , 2011, 12, 274-285.	0.7	51
121	Merging high-resolution satellite-based precipitation fields and point-scale rain gauge measurements: A case study in Chile. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 5267-5284.	1.2	50
122	Exploring parameter sensitivities of the land surface using a locally coupled land-atmosphere model. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	49
123	Constraining Land Surface and Atmospheric Parameters of a Locally Coupled Model Using Observational Data. <i>Journal of Hydrometeorology</i> , 2005, 6, 156-172.	0.7	49
124	A "User-Friendly" approach to parameter estimation in hydrologic models. <i>Journal of Hydrology</i> , 2006, 320, 202-217.	2.3	49
125	Application of temporal streamflow descriptors in hydrologic model parameter estimation. <i>Water Resources Research</i> , 2005, 41, .	1.7	48
126	Improving near real-time precipitation estimation using a U-Net convolutional neural network and geographical information. <i>Environmental Modelling and Software</i> , 2020, 134, 104856.	1.9	48

#	ARTICLE	IF	CITATIONS
127	PERSIANN Dynamic Infrared Rain Rate (PDIR-Now): A Near-Real-Time, Quasi-Global Satellite Precipitation Dataset. <i>Journal of Hydrometeorology</i> , 2020, 21, 2893-2906.	0.7	48
128	Sensitivity analysis of the biosphere-atmosphere transfer scheme. <i>Journal of Geophysical Research</i> , 1996, 101, 7279-7289.	3.3	47
129	Self-organizing nonlinear output (SONO): A neural network suitable for cloud patch-based rainfall estimation at small scales. <i>Water Resources Research</i> , 2005, 41, .	1.7	47
130	Improving the shuffled complex evolution scheme for optimization of complex nonlinear hydrological systems: Application to the calibration of the Sacramento soil moisture accounting model. <i>Water Resources Research</i> , 2010, 46, .	1.7	47
131	Precipitation Identification with Bispectral Satellite Information Using Deep Learning Approaches. <i>Journal of Hydrometeorology</i> , 2017, 18, 1271-1283.	0.7	47
132	Parameter estimation of rainfall-runoff models with heteroscedastic streamflow errors – The noninformative data case. <i>Journal of Hydrology</i> , 1981, 52, 127-138.	2.3	46
133	The estimation of fluid flow properties from the response of water levels in wells to the combined atmospheric and Earth tide forces. <i>Water Resources Research</i> , 1991, 27, 883-893.	1.7	45
134	Advancing the Remote Sensing of Precipitation. <i>Bulletin of the American Meteorological Society</i> , 2011, 92, 1271-1272.	1.7	45
135	Rainfall frequency analysis for ungauged sites using satellite precipitation products. <i>Journal of Hydrology</i> , 2017, 554, 646-655.	2.3	45
136	Global Precipitation Trends across Spatial Scales Using Satellite Observations. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 689-697.	1.7	45
137	Rainfall frequency analysis for ungauged regions using remotely sensed precipitation information. <i>Journal of Hydrology</i> , 2018, 563, 123-142.	2.3	45
138	Surface water hydrology: On-line estimation. <i>Reviews of Geophysics</i> , 1983, 21, 706-721.	9.0	44
139	The role of hydrograph indices in parameter estimation of rainfall-runoff models. <i>Hydrological Processes</i> , 2005, 19, 2187-2207.	1.1	44
140	Influence of irrigation schemes used in regional climate models on evapotranspiration estimation: Results and comparative studies from California's Central Valley agricultural regions. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	43
141	Evaluating the Utility of Multispectral Information in Delineating the Areal Extent of Precipitation. <i>Journal of Hydrometeorology</i> , 2009, 10, 684-700.	0.7	42
142	Simulation of snow mass and extent in general circulation models. <i>Hydrological Processes</i> , 1999, 13, 2097-2113.	1.1	40
143	REFAME: Rain Estimation Using Forward-Adjusted Advection of Microwave Estimates. <i>Journal of Hydrometeorology</i> , 2010, 11, 1305-1321.	0.7	40
144	A maximum likelihood criterion for use with data collected at unequal time intervals. <i>Water Resources Research</i> , 1988, 24, 1163-1173.	1.7	39

#	ARTICLE	IF	CITATIONS
145	Radar Zâ€“RRelationship for Summer Monsoon Storms in Arizona. <i>Weather and Forecasting</i> , 2005, 20, 672-679.	0.5	39
146	Calibration of Probabilistic Quantitative Precipitation Forecasts with an Artificial Neural Network. <i>Weather and Forecasting</i> , 2007, 22, 1287-1303.	0.5	39
147	Improved representation of diurnal variability of rainfall retrieved from the Tropical Rainfall Measurement Mission Microwave Imager adjusted Precipitation Estimation From Remotely Sensed Information Using Artificial Neural Networks (PERSIANN) system. <i>Journal of Geophysical Research</i> , 2005, 110, n/a-n/a.	3.3	38
148	Daytime Precipitation Estimation Using Bispectral Cloud Classification System. <i>Journal of Applied Meteorology and Climatology</i> , 2010, 49, 1015-1031.	0.6	38
149	Quantitative Precipitation Nowcasting: A Lagrangian Pixel-Based Approach. <i>Atmospheric Research</i> , 2012, 118, 418-434.	1.8	38
150	The distributed model intercomparison project â€“ Phase 2: Experiment design and summary results of the western basin experiments. <i>Journal of Hydrology</i> , 2013, 507, 300-329.	2.3	38
151	An Artificial Neural Network Model to Reduce False Alarms in Satellite Precipitation Products Using MODIS and CloudSat Observations. <i>Journal of Hydrometeorology</i> , 2013, 14, 1872-1883.	0.7	38
152	Development of a Hydrochemical Model for Seasonally Snow-Covered Alpine Watersheds: Application to Emerald Lake Watershed, Sierra Nevada, California. <i>Water Resources Research</i> , 1996, 32, 1061-1074.	1.7	37
153	One-dimensional snow water and energy balance model for vegetated surfaces. <i>Hydrological Processes</i> , 1999, 13, 2467-2482.	1.1	37
154	Genesis, Pathways, and Terminations of Intense Global Water Vapor Transport in Association with Largeâ€“Scale Climate Patterns. <i>Geophysical Research Letters</i> , 2017, 44, 12,465.	1.5	37
155	Conditional Generative Adversarial Networks (cGANs) for Near Real-Time Precipitation Estimation from Multispectral GOES-16 Satellite Imageriesâ€“PERSIANN-cGAN. <i>Remote Sensing</i> , 2019, 11, 2193.	1.8	37
156	Trends of precipitation extreme indices over a subtropical semi-arid area using PERSIANN-CDR. <i>Theoretical and Applied Climatology</i> , 2017, 130, 249-260.	1.3	36
157	Bias Correction of Satellite-Based Precipitation Estimations Using Quantile Mapping Approach in Different Climate Regions of Iran. <i>Remote Sensing</i> , 2020, 12, 2102.	1.8	36
158	Using Airborne Lidar to Discern Age Classes of Cottonwood Trees in a Riparian Area. <i>Western Journal of Applied Forestry</i> , 2006, 21, 149-158.	0.5	35
159	Short-term quantitative precipitation forecasting using an object-based approach. <i>Journal of Hydrology</i> , 2013, 483, 1-15.	2.3	35
160	Influence of irrigation on land hydrological processes over California. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 13,137.	1.2	35
161	Bayesian recursive estimation of parameter and output uncertainty for watershed models. <i>Water Science and Application</i> , 2003, , 113-124.	0.3	34
162	Quantifying the reliability of four global datasets for drought monitoring over a semiarid region. <i>Theoretical and Applied Climatology</i> , 2016, 123, 387-398.	1.3	34

#	ARTICLE	IF	CITATIONS
163	Evaluation of Methods for Causal Discovery in Hydrometeorological Systems. <i>Water Resources Research</i> , 2020, 56, e2020WR027251.	1.7	33
164	PERSIANN Dynamic Infrared-based Rain Rate Model (PDIR) for High-Resolution, Real-Time Satellite Precipitation Estimation. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E286-E302.	1.7	33
165	Response surface parameter sensitivity analysis methods for postcalibration studies. <i>Water Resources Research</i> , 1982, 18, 1531-1538.	1.7	32
166	A preliminary synthesis of major scientific results during the SALSA program. <i>Agricultural and Forest Meteorology</i> , 2000, 105, 311-323.	1.9	32
167	Impact of field-calibrated vegetation parameters on GCM climate simulations. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2001, 127, 1199-1223.	1.0	32
168	Reply to comment by K. Beven and P. Young on "Bayesian recursive parameter estimation for hydrologic models". <i>Water Resources Research</i> , 2003, 39, .	1.7	32
169	Satellites Track Precipitation of Super Typhoon Haiyan. <i>Eos</i> , 2014, 95, 133-135.	0.1	31
170	Evaluation of CMIP5 Model Precipitation Using PERSIANN-CDR. <i>Journal of Hydrometeorology</i> , 2017, 18, 2313-2330.	0.7	31
171	Precipitation Prediction Skill for the West Coast United States: From Short to Extended Range. <i>Journal of Climate</i> , 2019, 32, 161-182.	1.2	31
172	Weather, climate, and hydrologic forecasting for the US Southwest: a survey. <i>Climate Research</i> , 2002, 21, 239-258.	0.4	31
173	Verification of Probabilistic Quantitative Precipitation Forecasts over the Southwest United States during Winter 2002/03 by the RSM Ensemble System. <i>Monthly Weather Review</i> , 2005, 133, 279-294.	0.5	30
174	Relationship between atmospheric circulation and snowpack in the western USA. <i>Hydrological Processes</i> , 2006, 20, 753-767.	1.1	30
175	LMODEL: A Satellite Precipitation Methodology Using Cloud Development Modeling. Part I: Algorithm Construction and Calibration. <i>Journal of Hydrometeorology</i> , 2009, 10, 1081-1095.	0.7	30
176	Shuffled Complex-Self Adaptive Hybrid Evolution (SC-SAHEL) optimization framework. <i>Environmental Modelling and Software</i> , 2018, 104, 215-235.	1.9	29
177	A cloud-free MODIS snow cover dataset for the contiguous United States from 2000 to 2017. <i>Scientific Data</i> , 2019, 6, 180300.	2.4	29
178	Bias adjustment of infrared-based rainfall estimation using Passive Microwave satellite rainfall data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 3859-3876.	1.2	28
179	Post and near real-time satellite precipitation products skill over Karkheh River Basin in Iran. <i>International Journal of Remote Sensing</i> , 2020, 41, 6484-6502.	1.3	28
180	Multiple criteria global optimization for watershed model calibration. <i>Water Science and Application</i> , 2003, , 125-132.	0.3	27

#	ARTICLE	IF	CITATIONS
181	A Stochastic Precipitation Disaggregation Scheme for GCM Applications. <i>Journal of Climate</i> , 1994, 7, 238-247.	1.2	26
182	An object-based approach for verification of precipitation estimation. <i>International Journal of Remote Sensing</i> , 2015, 36, 513-529.	1.3	26
183	Assessment of seven CMIP5 model precipitation extremes over Iran based on a satellite-based climate data set. <i>International Journal of Climatology</i> , 2019, 39, 3505-3522.	1.5	26
184	Spatiotemporal Variations of Precipitation over Iran Using the High-Resolution and Nearly Four Decades Satellite-Based PERSIANN-CDR Dataset. <i>Remote Sensing</i> , 2020, 12, 1584.	1.8	26
185	Model Climatology of the North American Monsoon Onset Period during 1980-2001. <i>Journal of Climate</i> , 2004, 17, 3892-3906.	1.2	25
186	Comment on "Dynamically dimensioned search algorithm for computationally efficient watershed model calibration" by Bryan A. Tolson and Christine A. Shoemaker. <i>Water Resources Research</i> , 2008, 44, .	1.7	25
187	Parameter Estimation, Model Identification, and Model Validation: Conceptual-Type Models. , 1991, , 443-467.		25
188	Soil moisture-precipitation feedback on the North American monsoon system in the MM5-OSU model. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2004, 130, 2873-2890.	1.0	24
189	An Object-Oriented Approach to Investigate Impacts of Climate Oscillations on Precipitation: A Western United States Case Study. <i>Journal of Hydrometeorology</i> , 2015, 16, 830-842.	0.7	24
190	Short-Term Performance of MM5 with Cloud-Cover Assimilation from Satellite Observations. <i>Monthly Weather Review</i> , 2003, 131, 1797-1810.	0.5	23
191	Evaluation of NASA's MERRA Precipitation Product in Reproducing the Observed Trend and Distribution of Extreme Precipitation Events in the United States. <i>Journal of Hydrometeorology</i> , 2016, 17, 693-711.	0.7	23
192	A Markov Chain Flow Model for flood forecasting. <i>Water Resources Research</i> , 1993, 29, 2427-2436.	1.7	22
193	Satellite-based precipitation estimation using watershed segmentation and growing hierarchical self-organizing map. <i>International Journal of Remote Sensing</i> , 2006, 27, 5165-5184.	1.3	22
194	A Statistical Model for the Uncertainty Analysis of Satellite Precipitation Products. <i>Journal of Hydrometeorology</i> , 2015, 16, 2101-2117.	0.7	22
195	Snow Model Verification Using Ensemble Prediction and Operational Benchmarks. <i>Journal of Hydrometeorology</i> , 2008, 9, 1402-1415.	0.7	21
196	Using Densely Distributed Soil Moisture Observations for Calibration of a Hydrologic Model. <i>Journal of Hydrometeorology</i> , 2016, 17, 571-590.	0.7	20
197	Impact of Ingesting Satellite-Derived Cloud Cover into the Regional Atmospheric Modeling System. <i>Monthly Weather Review</i> , 2002, 130, 610-628.	0.5	19
198	LMODEL: A Satellite Precipitation Methodology Using Cloud Development Modeling. Part II: Validation. <i>Journal of Hydrometeorology</i> , 2009, 10, 1096-1108.	0.7	19

#	ARTICLE	IF	CITATIONS
199	A Solution to the Crucial Problem of Population Degeneration in High-Dimensional Evolutionary Optimization. <i>IEEE Systems Journal</i> , 2011, 5, 362-373.	2.9	19
200	Examination of Global Midlatitude Atmospheric River Lifecycles Using an Object-Oriented Methodology. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033425.	1.2	19
201	Satellite-Based Precipitation Measurement Using PERSIANN System. <i>Water Science and Technology Library</i> , 2009, , 27-48.	0.2	19
202	The challenge of predicting flash floods from thunderstorm rainfall. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2002, 360, 1363-1371.	1.6	18
203	Impacts of a Parameterization Deficiency on Offline and Coupled Land Surface Model Simulations. <i>Journal of Hydrometeorology</i> , 2003, 4, 901-914.	0.7	18
204	Model Study of Evolution and Diurnal Variations of Rainfall in the North American Monsoon during June and July 2002. <i>Monthly Weather Review</i> , 2004, 132, 2895-2915.	0.5	18
205	Riparian vegetation classification from airborne laser scanning data with an emphasis on cottonwood trees. <i>Canadian Journal of Remote Sensing</i> , 2006, 32, 15-18.	1.1	18
206	Modelling hydrological processes in arid and semi-arid areas: an introduction. , 2007, , 1-20.		18
207	KINEROS2 and the AGWA modelling Framework. , 2007, , 49-68.		18
208	Classification and regression tree (CART) analysis for indicator bacterial concentration prediction for a Californian coastal area. <i>Water Science and Technology</i> , 2010, 61, 545-553.	1.2	18
209	Predicting floods in a large karst river basin by coupling PERSIANN-CCS QPEs with a physically based distributed hydrological model. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 1505-1532.	1.9	18
210	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. <i>Remote Sensing</i> , 2019, 11, 2755.	1.8	18
211	Deep Neural Network Cloud-Type Classification (DeepCTC) Model and Its Application in Evaluating PERSIANN-CCS. <i>Remote Sensing</i> , 2020, 12, 316.	1.8	18
212	Correspondence analysis with Matlab. <i>Computers and Geosciences</i> , 1993, 19, 1007-1022.	2.0	17
213	Estimation of mountain front recharge to regional aquifers: 1. Development of an Analytical Hydroclimatic Model. <i>Water Resources Research</i> , 1994, 30, 2157-2167.	1.7	17
214	A shuffled complex evolution metropolis algorithm for estimating posterior distribution of watershed model parameters. <i>Water Science and Application</i> , 2003, , 105-112.	0.3	17
215	Short-Range Probabilistic Quantitative Precipitation Forecasts over the Southwest United States by the RSM Ensemble System. <i>Monthly Weather Review</i> , 2007, 135, 1685-1698.	0.5	17
216	Object-Based Assessment of Satellite Precipitation Products. <i>Remote Sensing</i> , 2016, 8, 547.	1.8	17

#	ARTICLE	IF	CITATIONS
217	Deep neural networks for precipitation estimation from remotely sensed information. , 2016, , .		17
218	Multicriteria calibration of hydrologic models. Water Science and Application, 2003, , 185-196.	0.3	17
219	Estimation of daily cloud-free, snow-covered areas from MODIS based on variational interpolation. Water Resources Research, 2012, 48, .	1.7	16
220	MODEL CALIBRATION IN WATERSHED HYDROLOGY. , 2010, , 53-105.		16
221	Toward the development of a multidirectional vegetation index. Water Resources Research, 1994, 30, 1281-1286.	1.7	15
222	A Cloud-Patch Technique for Identification and Removal of No-Rain Clouds from Satellite Infrared Imagery. Journal of Applied Meteorology and Climatology, 1999, 38, 1170-1181.	1.7	15
223	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
224	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
225	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
226	Satellite-based remote sensing estimation of precipitation for early warning systems. , 2014, , 99-112.		14
227	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
228	Retrospective Analysis and Bayesian Model Averaging of CMIP6 Precipitation in the Nile River Basin. Journal of Hydrometeorology, 2021, 22, 217-229.	0.7	14
229	New Insights Into Error Decomposition for Precipitation Products. Geophysical Research Letters, 2021, 48, e2021GL094092.	1.5	14
230	Real-time national GPS networks: Opportunities for atmospheric sensing. Earth, Planets and Space, 2000, 52, 901-905.	0.9	13
231	Real-time national GPS networks for atmospheric sensing. Journal of Atmospheric and Solar-Terrestrial Physics, 2001, 63, 1315-1330.	0.6	13
232	Extreme Precipitation Estimation Using Satellite-Based PERSIANN-CCS Algorithm. , 2010, , 49-67.		13
233	A Numerical Investigation of Storm Structure and Evolution during the July 1999 Las Vegas Flash Flood. Monthly Weather Review, 2003, 131, 2038-2059.	0.5	12
234	U.S. CONTRIBUTIONS TO THE CEOP. Bulletin of the American Meteorological Society, 2006, 87, 927-940.	1.7	12

#	ARTICLE	IF	CITATIONS
235	Influence of Spatial Resolution on Diurnal Variability during the North American Monsoon. <i>Journal of Climate</i> , 2008, 21, 3967-3988.	1.2	12
236	Methods of Tail Dependence Estimation. <i>Water Science and Technology Library</i> , 2013, , 163-179.	0.2	12
237	Defining the Role of Water Resources Systems Analysis in a Changing Future. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018, 144, .	1.3	12
238	Estimating cloud top height and spatial displacement from scan-synchronous GOES images using simplified IR-based stereoscopic analysis. <i>Journal of Geophysical Research</i> , 2000, 105, 15597-15608.	3.3	11
239	Parameter, structure, and model performance evaluation for land-surface schemes. <i>Water Science and Application</i> , 2003, , 229-237.	0.3	11
240	Rainfall modeling for integrating radar information into hydrological model. <i>Atmospheric Science Letters</i> , 2005, 6, 23-30.	0.8	11
241	Modeling Intraseasonal Features of 2004 North American Monsoon Precipitation. <i>Journal of Climate</i> , 2007, 20, 1882-1896.	1.2	11
242	Scientific Verification of Deterministic River Stage Forecasts. <i>Journal of Hydrometeorology</i> , 2009, 10, 507-520.	0.7	11
243	Exploring Trends through "RainSphere" Research data transformed into public knowledge. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 653-658.	1.7	11
244	Analysis of natural groundwater level variations for hydrogeologic conceptualization, Hanford Site, Washington. <i>Water Resources Research</i> , 1989, 25, 1519-1529.	1.7	10
245	A brief history and mission of SAHRA: a National Science Foundation Science and Technology Center on "sustainability of semi-arid hydrology and riparian areas?". <i>Hydrological Processes</i> , 2002, 16, 3293-3295.	1.1	10
246	Effective and Efficient Modeling for Streamflow Forecasting. <i>Water Science and Technology Library</i> , 2000, , 7-22.	0.2	10
247	Sensitivity of North American Monsoon Rainfall to Multisource Sea Surface Temperatures in MM5. <i>Monthly Weather Review</i> , 2005, 133, 2922-2939.	0.5	10
248	On the estimation of parameters for frequency domain models. <i>Water Resources Research</i> , 1991, 27, 873-882.	1.7	9
249	Superior training of artificial neural networks using weight-space partitioning. , 0, , .		9
250	Bounding the parameters of land-surface schemes using observational data. <i>Water Science and Application</i> , 2001, , 65-76.	0.3	9
251	Regional and global hydrology and water resources issues: The role of international and national programs. <i>Aquatic Sciences</i> , 2002, 64, 317-327.	0.6	9
252	A multi-step automatic calibration scheme for watershed models. <i>Water Science and Application</i> , 2003, , 165-174.	0.3	9

#	ARTICLE	IF	CITATIONS
253	Estimation of surface longwave radiation components from ground-based historical net radiation and weather data. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	9
254	Improving Hydrologic Modeling Using Cloud-Free MODIS Flood Maps. <i>Journal of Hydrometeorology</i> , 2019, 20, 2203-2214.	0.7	9
255	Error Characteristics and Scale Dependence of Current Satellite Precipitation Estimates Products in Hydrological Modeling. <i>Remote Sensing</i> , 2021, 13, 3061.	1.8	9
256	Modeling and Analysis of the Variability of the Water Cycle in the Upper Rio Grande Basin at High Resolution. <i>Journal of Hydrometeorology</i> , 2007, 8, 805-824.	0.7	8
257	Evaluation for Moroccan dynamically downscaled precipitation from GCM CHAM5 and its regional hydrologic response. <i>Journal of Hydrology: Regional Studies</i> , 2015, 3, 359-378.	1.0	8
258	Rainfall Estimation Using a Cloud Patch Classification Map. , 2007, , 329-342.		8
259	Summer Weather Simulation for the Semiarid Lower Colorado River Basin: Case Tests. <i>Monthly Weather Review</i> , 2003, 131, 521-541.	0.5	8
260	Seasonal Forecasts and Water Management in Arizona: A Case Study of the 1997-98 El Niño Event. , 1999, , 1.		7
261	SST data improve modeling of North American monsoon rainfall. <i>Eos</i> , 2003, 84, 457.	0.1	7
262	A hydroarchive for the free exchange of hydrological software Website:. <i>Hydrological Processes</i> , 2004, 18, 389-391.	1.1	7
263	Summertime evaluation of REFAME over the Unites States for near real-time high resolution precipitation estimation. <i>Journal of Hydrology</i> , 2012, 456-457, 130-138.	2.3	7
264	Bias adjustment of satellite-based precipitation estimation using artificial neural networks-cloud classification system over Saudi Arabia. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	7
265	A Model Tree Generator (MTG) Framework for Simulating Hydrologic Systems: Application to Reservoir Routing. <i>Water (Switzerland)</i> , 2020, 12, 2373.	1.2	7
266	Projected impacts of climate change on major dams in the Upper Yangtze River Basin. <i>Climatic Change</i> , 2022, 170, 1.	1.7	7
267	Identification of Water Demand Models From Noisy Data. <i>Water Resources Research</i> , 1986, 22, 322-330.	1.7	6
268	Estimation of mountain front recharge to regional aquifers: 2. A Maximum Likelihood Approach incorporating prior information. <i>Water Resources Research</i> , 1994, 30, 2169-2181.	1.7	6
269	Weather, Climate, and Hydrologic Forecasting for the Southwest U.S.. , 1999, , 1.		6
270	Influence of assimilating rainfall derived from WSR-88D radar on the rainstorm forecasts over the southwestern United States. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	6

#	ARTICLE	IF	CITATIONS
271	Reply to Comment by B. Renard et al. on "An integrated hydrologic Bayesian multimodel combination framework: Confronting input, parameter, and model structural uncertainty in hydrologic prediction". Water Resources Research, 2009, 45, .	1.7	6
272	Complexity of hydrologic basins: A chaotic dynamics perspective. Journal of Hydrology, 2021, 597, 126222.	2.3	6
273	How much information on precipitation is contained in satellite infrared imagery?. Atmospheric Research, 2021, 256, 105578.	1.8	6
274	QRF4P&NRT: Probabilistic Post&P Processing of Near&R&T Time Satellite Precipitation Estimates Using Quantile Regression Forests. Water Resources Research, 2022, 58, .	1.7	6
275	Modification of the National Weather Service Distributed Hydrologic Model for subsurface water exchanges between grids. Water Resources Research, 2011, 47, .	1.7	5
276	A New Optimization Strategy for Global Inverse Solution of Hydrologic Models. Water Science and Technology Library, 1994, , 743-751.	0.2	5
277	Impacts of model calibration on high-latitude land-surface processes: PILPS 2(e) calibration/validation experiments. Global and Planetary Change, 2003, 38, 73-80.	1.6	4
278	Hydrologic sciences and water resources management issues in a changing world. Developments in Water Science, 2003, 50, 83-92.	0.1	4
279	Global precipitation estimation from satellite imagery using artificial neural networks. , 0, , 21-28.		4
280	Real-time flow forecasting. , 0, , 113-138.		4
281	Fortify particle swarm optimizer (PSO) with principal components analysis: A case study in improving bound-handling for optimizing high-dimensional and complex problems. , 2011, , .		4
282	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
283	Comparison of Two Direct Search Algorithms Used in Calibration of Rainfall-Runoff Models. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1980, 13, 477-485.	0.4	3
284	Synthesis of hydrologic and system sciences in the development of rainfall-runoff models. Applied Mathematics and Computation, 1985, 17, 279-298.	1.4	3
285	Parameter estimation of GOES precipitation index at different calibration timescales. Journal of Geophysical Research, 2000, 105, 20131-20143.	3.3	3
286	The modular modelling system (MMS): a toolbox for water and environmental resources management. , 2007, , 87-98.		3
287	Model Performance of Downscaling 1999&2004 Hydrometeorological Fields to the Upper Rio Grande Basin Using Different Forcing Datasets. Journal of Hydrometeorology, 2008, 9, 677-694.	0.7	3
288	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

#	ARTICLE	IF	CITATIONS
289	Consistency of spatial patterns of the daily precipitation field in the western United States and its application to precipitation disaggregation. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	3
290	To improve model soil moisture estimation in arid/semi-arid region using in situ and remote sensing information. <i>Paddy and Water Environment</i> , 2012, 10, 165-173.	1.0	3
291	The Potential of Precipitation Remote Sensing for Water Resources Vulnerability Assessment in Arid Southwestern United States. , 2013, , 141-149.		3
292	Review of Parameterization and Parameter Estimation for Hydrologic Models. , 2013, , 127-140.		3
293	Assessment of the Spatial and Seasonal Variation of the Errorâ€™Intensity Relationship in Satellite-Based Precipitation Measurements Using an Adaptive Parametric Model. <i>Journal of Hydrometeorology</i> , 2015, 16, 1700-1716.	0.7	3
294	Method to Estimate Optimal Parameters. , 2018, , 1-39.		3
295	Discrepancies in changes in precipitation characteristics over the contiguous United States based on six daily gridded precipitation datasets. <i>Weather and Climate Extremes</i> , 2022, 36, 100433.	1.6	3
296	A predictive demand model for systems planning, using noisy realization theory. <i>Automatica</i> , 1988, 24, 671-676.	3.0	2
297	Catchment Hydrogeochemistry. <i>Water Resources Research</i> , 1990, 26, 2947-2947.	1.7	2
298	Intercomparisons of ECMWF ERA and TOGA data with observations for the 1993 Great Flood. <i>Journal of Geophysical Research</i> , 1999, 104, 19367-19382.	3.3	2
299	Investigate the impacts of assimilating satellite rainfall estimates on rainstorm forecast over southwest United States. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	2
300	Calibration, uncertainty, and regional analysis of conceptual rainfall-runoff models. , 2007, , 99-112.		2
301	PERSIANN-CDR for Hydrology and Hydro-climatic Applications. <i>Advances in Global Change Research</i> , 2020, , 993-1012.	1.6	2
302	The Trials and Tribulations of Modeling and Measuring in Surface Water Hydrology. , 1997, , 19-43.		2
303	The Impact of Catchment Modeling on Hydrologic Reliability. , 1987, , 365-389.		2
304	Foreword to Chapman Conference on hydrological responses of forested catchments. <i>Water Resources Research</i> , 1990, 26, 2947-2947.	1.7	2
305	Large scale systems modelling. <i>Automatica</i> , 1983, 19, 351.	3.0	1
306	Registering hydrologists. <i>Eos</i> , 1983, 64, 145.	0.1	1

#	ARTICLE	IF	CITATIONS
307	Foreword [to special section on Monsoon '90 Multidisciplinary Experiment]. <i>Water Resources Research</i> , 1994, 30, 1209-1209.	1.7	1
308	Model study of soil-moisture influence on precipitation seesaw in the southern United States. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2004, 56, 514-519.	0.8	1
309	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
310	Rainfall Estimation from Satellite Imagery. <i>Water Science and Technology Library</i> , 2000, , 209-234.	0.2	1
311	Impact of field-calibrated vegetation parameters on GCM climate simulations. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2001, 127, 1199-1223.	1.0	1
312	Introduction to the Current State of Satellite Precipitation Products. <i>Springer Theses</i> , 2015, , 1-5.	0.0	1
313	False Alarm in Satellite Precipitation Data. <i>Springer Theses</i> , 2015, , 7-12.	0.0	1
314	Methods to Estimate Optimal Parameters. , 2019, , 523-561.		1
315	Parameter Identification of Compartmental Models - Case of Hydrologic Rainfall-Runoff Models. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1982, 15, 1565-1570.	0.4	0
316	Discussion of "O & M Costs and Optimal Capacity Expansion" by Frank Pearson and Charles R. Scherer (August, 1981). <i>Journal of Environmental Engineering, ASCE</i> , 1983, 109, 521-523.	0.7	0
317	Reply [to "Comment on "Identification of water demand models from noisy data"™ by Lov Kumar Kher and Soroosh Sorooshian"]. <i>Water Resources Research</i> , 1987, 23, 745-746.	1.7	0
318	Hydrology Sessions, 1986 AGU Fall Meeting. <i>Eos</i> , 1987, 68, 611.	0.1	0
319	A new editorial structure for <i>Water Resources Research</i>. <i>Water Resources Research</i> , 1988, 24, 1567-1567.	1.7	0
320	A Comparison of simultaneous-equations, weighted regression, and noise-in-variables models. <i>Applied Mathematics and Computation</i> , 1990, 40, 187-202.	1.4	0
321	Estimating Uncertainty in Hydrologic Model Predictions. , 1999, , 1.		0
322	Title is missing!. <i>Journal of Paleolimnology</i> , 1999, 21, 257-258.	0.8	0
323	Federal priorities and programs in the hydrological sciences. <i>Eos</i> , 1999, 80, 271.	0.1	0
324	Utilization of remote sensing information for water resources management in the southwestern U.S. , 0, , .		0

#	ARTICLE	IF	CITATIONS
325	International hydrologic science programs and global water issues. Water Resources Monograph, 2003, , 223-246.	1.0	0
326	Model study of soil-moisture influence on precipitation seesaw in the southern United States. Tellus, Series A: Dynamic Meteorology and Oceanography, 2004, 56, 514-519.	0.8	0
327	Toward Improved Hydrologic Prediction with Reduced Uncertainty Using Sequential Multi-Model Combination. , 2008, , .		0
328	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
329	Evaluating several satellite precipitation estimates and global ground-based dataset on Sicily (Italy). Proceedings of SPIE, 2012, , .	0.8	0
330	Cloud Classification and its Application in Reducing False Rain. Springer Theses, 2015, , 43-63.	0.0	0
331	Correction to: Real-time national GPS networks: opportunities for atmospheric sensing. Earth, Planets and Space, 2019, 71, .	0.9	0
332	One man, one vision, 35 years in the making. Computer-Aided Civil and Infrastructure Engineering, 2021, 36, 125-125.	6.3	0
333	OVERVIEW OF THE HYDROLOGIC CYCLE AND ITS CONNECTION TO CLIMATE: DROUGHTS AND FLOODS. , 2005, , .		0
334	Precipitation Rate Estimates from Satellite Infrared Imagery: A New PERSIANN Model. Bulletin of the American Meteorological Society, 2020, 101, 389-394.	1.7	0