

# Bellie Sivakumar

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

224  
papers

5,538  
citations

41  
h-index

64  
g-index

247  
ext. papers

6,573  
ext. citations

4.3  
avg. IF

6.58  
L-index

#	Paper	IF	Citations
224	Droughts in a warming climate: A global assessment of Standardized precipitation index (SPI) and Reconnaissance drought index (RDI). <i>Journal of Hydrology</i> , <b>2015</b> , 526, 183-195	6	225
223	River flow forecasting: use of phase-space reconstruction and artificial neural networks approaches. <i>Journal of Hydrology</i> , <b>2002</b> , 265, 225-245	6	214
222	Chaos theory in hydrology: important issues and interpretations. <i>Journal of Hydrology</i> , <b>2000</b> , 227, 1-20	6	207
221	Neural network river forecasting through baseflow separation and binary-coded swarm optimization. <i>Journal of Hydrology</i> , <b>2015</b> , 529, 1788-1797	6	181
220	Chaos theory in geophysics: past, present and future. <i>Chaos, Solitons and Fractals</i> , <b>2004</b> , 19, 441-462	9.3	134
219	Population, water, food, energy and dams. <i>Renewable and Sustainable Energy Reviews</i> , <b>2016</b> , 56, 18-28	16.2	118
218	Global climate change and its impacts on water resources planning and management: assessment and challenges. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2011</b> , 25, 583-600	3.5	114
217	Natural hazards in Australia: droughts. <i>Climatic Change</i> , <b>2016</b> , 139, 37-54	4.5	112
216	Characterization and prediction of runoff dynamics: a nonlinear dynamical view. <i>Advances in Water Resources</i> , <b>2002</b> , 25, 179-190	4.7	100
215	Hydrologic system complexity and nonlinear dynamic concepts for a catchment classification framework. <i>Hydrology and Earth System Sciences</i> , <b>2012</b> , 16, 4119-4131	5.5	93
214	Dominant processes concept, model simplification and classification framework in catchment hydrology. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2008</b> , 22, 737-748	3.5	87
213	A phase-space reconstruction approach to prediction of suspended sediment concentration in rivers. <i>Journal of Hydrology</i> , <b>2002</b> , 258, 149-162	6	84
212	A chaotic approach to rainfall disaggregation. <i>Water Resources Research</i> , <b>2001</b> , 37, 61-72	5.4	84
211	Quantification of precipitation and temperature uncertainties simulated by CMIP3 and CMIP5 models. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 3-17	4.4	83
210	Singapore Rainfall Behavior: Chaotic?. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>1999</b> , 4, 38-48	1.8	82
209	Dominant processes concept in hydrology: moving forward. <i>Hydrological Processes</i> , <b>2004</b> , 18, 2349-2353	3.3	81
208	Merging gauge and satellite rainfall with specification of associated uncertainty across Australia. <i>Journal of Hydrology</i> , <b>2013</b> , 499, 167-176	6	69

207	Anatomy of a local-scale drought: Application of assimilated remote sensing products, crop model, and statistical methods to an agricultural drought study. <i>Journal of Hydrology</i> , <b>2015</b> , 526, 15-29	6	67
206	Investigating chaos in river stage and discharge time series. <i>Journal of Hydrology</i> , <b>2012</b> , 414-415, 108-116		66
205	Nonlinear dynamics and chaos in hydrologic systems: latest developments and a look forward. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2009</b> , 23, 1027-1036	3.5	66
204	Evidence of chaos in the rainfall-runoff process. <i>Hydrological Sciences Journal</i> , <b>2001</b> , 46, 131-145	3.5	63
203	Rainfall dynamics at different temporal scales: A chaotic perspective. <i>Hydrology and Earth System Sciences</i> , <b>2001</b> , 5, 645-652	5.5	63
202	A systematic approach to noise reduction in chaotic hydrological time series. <i>Journal of Hydrology</i> , <b>1999</b> , 219, 103-135	6	63
201	A comparison of alternatives for daily to sub-daily rainfall disaggregation. <i>Journal of Hydrology</i> , <b>2012</b> , 470-471, 138-157	6	62
200	Hydrologic regionalization using wavelet-based multiscale entropy method. <i>Journal of Hydrology</i> , <b>2016</b> , 538, 22-32	6	62
199	Forecasting river water temperature time series using a wavelet-neural network hybrid modelling approach. <i>Journal of Hydrology</i> , <b>2019</b> , 578, 124115	6	61
198	An error estimation method for precipitation and temperature projections for future climates. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		59
197	Water crisis: From conflict to cooperation—An overview. <i>Hydrological Sciences Journal</i> , <b>2011</b> , 56, 531-552	3.5	59
196	Hydrologic complexity and classification: a simple data reconstruction approach. <i>Hydrological Processes</i> , <b>2007</b> , 21, 2713-2728	3.3	55
195	Monthly runoff prediction using phase space reconstruction. <i>Hydrological Sciences Journal</i> , <b>2001</b> , 46, 377-387	3.5	54
194	Catchment Classification Framework in Hydrology: Challenges and Directions. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2015</b> , 20,	1.8	47
193	A framework to quantify GCM uncertainties for use in impact assessment studies. <i>Journal of Hydrology</i> , <b>2014</b> , 519, 1453-1465	6	47
192	Network theory and spatial rainfall connections: An interpretation. <i>Journal of Hydrology</i> , <b>2015</b> , 527, 13-16		45
191	Assessment of global aridity change. <i>Journal of Hydrology</i> , <b>2015</b> , 520, 300-313	6	44
190	Is a chaotic multi-fractal approach for rainfall possible?. <i>Hydrological Processes</i> , <b>2001</b> , 15, 943-955	3.3	44

189	Panta Rhei 2013-2015: global perspectives on hydrology, society and change. <i>Hydrological Sciences Journal</i> , <b>2016</b> , 1-18	3.5	44
188	Dynamic characteristics of monthly rainfall in the Korean Peninsula under climate change. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2011</b> , 25, 613-625	3.5	43
187	EVIDENCE OF CHAOTIC BEHAVIOR IN SINGAPORE RAINFALL1. <i>Journal of the American Water Resources Association</i> , <b>1998</b> , 34, 301-310	2.1	43
186	Forecasting monthly streamflow dynamics in the western United States: a nonlinear dynamical approach. <i>Environmental Modelling and Software</i> , <b>2003</b> , 18, 721-728	5.2	43
185	A network-based analysis of spatial rainfall connections. <i>Environmental Modelling and Software</i> , <b>2015</b> , 69, 55-62	5.2	42
184	Correlation dimension estimation of hydrological series and data size requirement: myth and reality/Estimation de la dimension de corrlation de sfies hydrologiques et taille ncessaire du jeu de donnès: mythe et rãlit: <i>Hydrological Sciences Journal</i> , <b>2005</b> , 50,	3.5	41
183	Complex networks, community structure, and catchment classification in a large-scale river basin. <i>Journal of Hydrology</i> , <b>2017</b> , 545, 478-493	6	40
182	Future aridity under conditions of global climate change. <i>Journal of Hydrology</i> , <b>2017</b> , 554, 451-469	6	40
181	An investigation of the presence of low-dimensional chaotic behaviour in the sediment transport phenomenon. <i>Hydrological Sciences Journal</i> , <b>2002</b> , 47, 405-416	3.5	40
180	Assessment of change in design flood frequency under climate change using a multivariate downscaling model and a precipitation-runoff model. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2011</b> , 25, 567-581	3.5	39
179	Forecasting of water level in multiple temperate lakes using machine learning models. <i>Journal of Hydrology</i> , <b>2020</b> , 585, 124819	6	38
178	Complex networks for streamflow dynamics. <i>Hydrology and Earth System Sciences</i> , <b>2014</b> , 18, 4565-4578	5.5	38
177	Is correlation dimension a reliable indicator of low-dimensional chaos in short hydrological time series?. <i>Water Resources Research</i> , <b>2002</b> , 38, 3-1-3-8	5.4	38
176	Reply to "Which chaos in the rainfall-runoff process?" <i>Hydrological Sciences Journal</i> , <b>2002</b> , 47, 149-158	3.5	37
175	Probabilistic Hydrological Post-Processing at Scale: Why and How to Apply Machine-Learning Quantile Regression Algorithms. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 2126	3	36
174	Climatic and hydrologic controls on net primary production in a semiarid loess watershed. <i>Journal of Hydrology</i> , <b>2019</b> , 568, 803-815	6	33
173	Dynamics of monthly rainfall-runoff process at the Gota basin: A search for chaos. <i>Hydrology and Earth System Sciences</i> , <b>2000</b> , 4, 407-417	5.5	32
172	Advances in Data-Based Approaches for Hydrologic Modeling and Forecasting <b>2010</b> ,		31

171	Forecasting surface water temperature in lakes: A comparison of approaches. <i>Journal of Hydrology</i> , <b>2020</b> , 585, 124809	6	30
170	Spatiotemporal features of the hydro-biogeochemical cycles in a typical loess gully watershed. <i>Ecological Indicators</i> , <b>2018</b> , 91, 542-554	5.8	30
169	Temporal scaling in river flow: can it be chaotic? / L'invariance d'échelle de l'écoulement fluvial peut-elle être chaotique?. <i>Hydrological Sciences Journal</i> , <b>2004</b> , 49,	3.5	30
168	Socio-hydrology: not a new science, but a recycled and re-worded hydrosociology. <i>Hydrological Processes</i> , <b>2012</b> , 26, 3788-3790	3.3	29
167	Nonlinear determinism in river flow: prediction as a possible indicator. <i>Earth Surface Processes and Landforms</i> , <b>2007</b> , 32, 969-979	3.7	29
166	Predicting the Dielectric Constant-Water Content Relationship Using Artificial Neural Networks. <i>Soil Science Society of America Journal</i> , <b>2002</b> , 66, 1424-1429	2.5	29
165	Hydrologic modeling and forecasting: role of thresholds. <i>Environmental Modelling and Software</i> , <b>2005</b> , 20, 515-519	5.2	29
164	Networks: a generic theory for hydrology?. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2015</b> , 29, 761-771	3.5	28
163	Teleconnection analysis of runoff and soil moisture over the Pearl River basin in southern China. <i>Hydrology and Earth System Sciences</i> , <b>2014</b> , 18, 1475-1492	5.5	28
162	Spatial pattern of arsenic contamination in shallow wells of Bangladesh: regional geology and nonlinear dynamics. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2006</b> , 20, 66-76	3.5	28
161	The Role of Large Dams in Promoting Economic Development under the Pressure of Population Growth. <i>Sustainability</i> , <b>2019</b> , 11, 2965	3.6	27
160	Quantifying the contributions of climate variation, land use change, and engineering measures for dramatic reduction in streamflow and sediment in a typical loess watershed, China. <i>Ecological Engineering</i> , <b>2020</b> , 142, 105611	3.9	27
159	Complex networks for rainfall modeling: Spatial connections, temporal scale, and network size. <i>Journal of Hydrology</i> , <b>2017</b> , 554, 482-489	6	26
158	High-efficient extraction of drainage networks from digital elevation models constrained by enhanced flow enforcement from known river maps. <i>Geomorphology</i> , <b>2019</b> , 340, 184-201	4.3	26
157	Can the Grain-for-Green Program Really Ensure a Low Sediment Load on the Chinese Loess Plateau?. <i>Engineering</i> , <b>2019</b> , 5, 855-864	9.7	26
156	Nonlinear analysis of rainfall variability in Australia. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2014</b> , 28, 17-27	3.5	26
155	Fractal analysis of rainfall observed in two different climatic regions. <i>Hydrological Sciences Journal</i> , <b>2000</b> , 45, 727-738	3.5	26
154	Streamflow variability and classification using false nearest neighbor method. <i>Journal of Hydrology</i> , <b>2015</b> , 531, 706-715	6	25

153	Effect of catchment characteristics on the relationship between past discharge and the power law recession coefficient. <i>Journal of Hydrology</i> , <b>2015</b> , 528, 321-328	6	24
152	Chaos in Hydrology <b>2017</b> ,		24
151	Climate change-induced drought evolution over the past 50 years in the southern Chinese Loess Plateau. <i>Environmental Modelling and Software</i> , <b>2019</b> , 122, 104519	5.2	23
150	Scale-dependent synthetic streamflow generation using a continuous wavelet transform. <i>Journal of Hydrology</i> , <b>2013</b> , 496, 71-78	6	23
149	Symplectic geometry spectrum analysis of nonlinear time series. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2014</b> , 470, 20140409	2.4	23
148	Tsallis Entropy Theory for Modeling in Water Engineering: A Review. <i>Entropy</i> , <b>2017</b> , 19, 641	2.8	22
147	Spatial connections in regional climate model rainfall outputs at different temporal scales: Application of network theory. <i>Journal of Hydrology</i> , <b>2018</b> , 556, 1232-1243	6	22
146	Nonlinear analysis of rainfall dynamics in California's Sacramento Valley. <i>Hydrological Processes</i> , <b>2006</b> , 20, 1723-1736	3.3	22
145	A cascade approach to continuous rainfall data generation at point locations. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2008</b> , 22, 451-459	3.5	21
144	A comparative study of models for short-term streamflow forecasting with emphasis on wavelet-based approach. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2019</b> , 33, 1875-1891	3.5	20
143	Using neural networks for calibration of time-domain reflectometry measurements. <i>Hydrological Sciences Journal</i> , <b>2001</b> , 46, 389-398	3.5	20
142	Wavelet analysis of precipitation extremes over India and teleconnections to climate indices. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2019</b> , 33, 2053-2069	3.5	19
141	A Bayesian method for multi-pollution source water quality model and seasonal water quality management in river segments. <i>Environmental Modelling and Software</i> , <b>2014</b> , 57, 216-226	5.2	19
140	Nonlinear extensions of a fractal-multifractal approach for environmental modeling. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2009</b> , 23, 897-906	3.5	19
139	The more things change, the more they stay the same: the state of hydrologic modelling. <i>Hydrological Processes</i> , <b>2008</b> , 22, 4333-4337	3.3	19
138	Impacts of a large river-to-lake water diversion project on lacustrine phytoplankton communities. <i>Journal of Hydrology</i> , <b>2020</b> , 587, 124938	6	19
137	Multi-scale streamflow variability responses to precipitation over the headwater catchments in southern China. <i>Journal of Hydrology</i> , <b>2017</b> , 551, 14-28	6	18
136	Spatiotemporal variability of Indian rainfall using multiscale entropy. <i>Journal of Hydrology</i> , <b>2020</b> , 587, 124916	6	18

135	Modeling geophysical complexity: a case for geometric determinism. <i>Hydrology and Earth System Sciences</i> , <b>2007</b> , 11, 721-724	5.5	18
134	Streamflow disaggregation: a nonlinear deterministic approach. <i>Nonlinear Processes in Geophysics</i> , <b>2004</b> , 11, 383-392	2.9	18
133	Fuzzy Entropy and Its Application for Enhanced Subspace Filtering. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2018</b> , 26, 1970-1982	8.3	17
132	Impacts of the tropical trans-basin variability on Australian rainfall. <i>Climate Dynamics</i> , <b>2017</b> , 49, 1617-1629	4.2	17
131	Study of runoff response to land use change in the East River basin in South China. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2014</b> , 28, 857-865	3.5	17
130	Measuring nonlinear dependence in hydrologic time series. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2009</b> , 23, 907-916	3.5	17
129	MODELING HIGH-RESOLUTION RAIN RATES VIA A DETERMINISTIC FRACTAL-MULTIFRACTAL APPROACH. <i>Fractals</i> , <b>2002</b> , 10, 387-394	3.2	17
128	A deterministic geometric representation of temporal rainfall: sensitivity analysis for a storm in Boston. <i>Journal of Hydrology</i> , <b>2002</b> , 269, 224-235	6	17
127	Drought processes, modeling, and mitigation. <i>Journal of Hydrology</i> , <b>2015</b> , 526, 1-2	6	16
126	Temporal dynamics of streamflow: application of complex networks. <i>Geoscience Letters</i> , <b>2018</b> , 5,	3.5	16
125	Impacts of increased CO <sub>2</sub> on the hydrologic response over the Xijiang (West River) basin, South China. <i>Journal of Hydrology</i> , <b>2013</b> , 505, 218-227	6	16
124	Undermining the science or undermining Nature?. <i>Hydrological Processes</i> , <b>2008</b> , 22, 893-897	3.3	16
123	Evaluation of Quantitative Precipitation Predictions by ECMWF, CMA, and UKMO for Flood Forecasting: Application to Two Basins in China. <i>Natural Hazards Review</i> , <b>2018</b> , 19, 05018003	3.5	16
122	Study of discontinuities in hydrological data using catastrophe theory. <i>Hydrological Sciences Journal</i> , <b>2010</b> , 55, 1137-1151	3.5	15
121	Is correlation dimension a reliable proxy for the number of dominant influencing variables for modeling risk of arsenic contamination in groundwater?. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2008</b> , 22, 47-55	3.5	15
120	Socioeconomic Drought Under Growing Population and Changing Climate: A New Index Considering the Resilience of a Regional Water Resources System. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD033005	4.4	15
119	Temporal streamflow analysis: Coupling nonlinear dynamics with complex networks. <i>Journal of Hydrology</i> , <b>2018</b> , 564, 59-67	6	15
118	Cross-entropy clustering framework for catchment classification. <i>Journal of Hydrology</i> , <b>2017</b> , 552, 433-446	4.6	14

117	Regional variation of recession flow power-law exponent. <i>Hydrological Processes</i> , <b>2018</b> , 32, 866-872	3.3	13
116	Time-lag effects of vegetation responses to soil moisture evolution: a case study in the Xijiang basin in South China. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2018</b> , 32, 2423-2432	3.5	13
115	Encoding daily rainfall records via adaptations of the fractal multifractal method. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2016</b> , 30, 1917-1931	3.5	13
114	An Assessment of Drift Correction Alternatives for CMIP5 Decadal Predictions. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 10,282	4.4	13
113	Chaos and irregularity in karst percolation. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	13
112	A deterministic width function model. <i>Nonlinear Processes in Geophysics</i> , <b>2003</b> , 10, 525-529	2.9	13
111	A D8-compatible high-efficient channel head recognition method. <i>Environmental Modelling and Software</i> , <b>2020</b> , 125, 104624	5.2	12
110	Quantitative design of emergency monitoring network for river chemical spills based on discrete entropy theory. <i>Water Research</i> , <b>2018</b> , 134, 140-152	12.5	12
109	Multiscale Two-Directional Two-Dimensional Principal Component Analysis and Its Application to High-Dimensional Biomedical Signal Classification. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2016</b> , 63, 1416-1425	5	12
108	A fractal-multifractal approach to groundwater contamination. 1. Modeling conservative tracers at the Borden site. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2001</b> , 15, 357-371	3.5	12
107	A fractal-multifractal approach to groundwater contamination. 2. Predicting conservative tracers at the Borden site. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2001</b> , 15, 372-383	3.5	12
106	Comment on Nonlinear analysis of river flow time sequences by Amilcare Porporato and Luca Ridolfi. <i>Water Resources Research</i> , <b>1999</b> , 35, 895-897	5.4	12
105	Chaos in rainfall: variability, temporal scale and zeros. <i>Journal of Hydroinformatics</i> , <b>2005</b> , 7, 175-184	2.6	12
104	Hydropsychology: the human side of water research. <i>Hydrological Sciences Journal</i> , <b>2011</b> , 56, 719-732	3.5	11
103	Identification of chaos in rainfall temporal disaggregation: Application of the correlation dimension method to 5-minute point rainfall series measured with a tipping bucket and an optical raingage. <i>Journal of Hydrology</i> , <b>2006</b> , 328, 56-64	6	11
102	A fractal investigation of solute travel time in a heterogeneous aquifer: transition probability/Markov chain representation. <i>Ecological Modelling</i> , <b>2005</b> , 182, 355-370	3	11
101	Solute transport in a heterogeneous aquifer: a search for nonlinear deterministic dynamics. <i>Nonlinear Processes in Geophysics</i> , <b>2005</b> , 12, 211-218	2.9	11
100	Probability distribution functions for unit hydrographs with optimization using genetic algorithm. <i>Applied Water Science</i> , <b>2017</b> , 7, 663-676	5	10

99	Reconstruction of daily rainfall data using the concepts of networks: Accounting for spatial connections in neighborhood selection. <i>Journal of Hydrology</i> , <b>2019</b> , 579, 124185	6	10
98	Suspended sediment load transport in the Mississippi River basin at St. Louis: temporal scaling and nonlinear determinism. <i>Earth Surface Processes and Landforms</i> , <b>2007</b> , 32, 269-280	3.7	10
97	Symplectic geometry spectrum regression for prediction of noisy time series. <i>Physical Review E</i> , <b>2016</b> , 93, 052217	2.4	9
96	A preliminary investigation on the scaling behaviour of rainfall observed in two different climates. <i>Hydrological Sciences Journal</i> , <b>2000</b> , 45, 203-219	3.5	9
95	On the predictability of SSTA indices from CMIP5 decadal experiments. <i>Environmental Research Letters</i> , <b>2015</b> , 10, 074013	6.2	8
94	A physical interpretation of the deterministic fractal-multifractal method as a realization of a generalized multiplicative cascade. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2014</b> , 28, 1421-1429	3.5	8
93	NONLINEAR DETERMINISTIC ANALYSIS OF AIR POLLUTION DYNAMICS IN A RURAL AND AGRICULTURAL SETTING. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , <b>2007</b> , 10, 581-597	0.8	8
92	CHAOS AND STOCHASTICITY IN DETERMINISTICALLY GENERATED MULTIFRACTAL MEASURES. <i>Fractals</i> , <b>2002</b> , 10, 91-102	3.2	8
91	Sampling biases in CMIP5 decadal forecasts. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 3435-3445	4.4	7
90	Prediction of vegetation anomalies over an inland river basin in north-western China. <i>Hydrological Processes</i> , <b>2018</b> , 32, 1814-1827	3.3	7
89	Effectiveness of CMIP5 Decadal Experiments for Interannual Rainfall Prediction Over Australia. <i>Water Resources Research</i> , <b>2019</b> , 55, 7400-7418	5.4	7
88	Complex networks for streamflow dynamics		7
87	Effects of the South Asian summer monsoon anomaly on interannual variations in precipitation over the South-Central Tibetan Plateau. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 124067	6.2	7
86	Attribution of growing season vegetation activity to climate change and human activities in the Three-River Headwaters Region, China. <i>Journal of Hydroinformatics</i> , <b>2020</b> , 22, 186-204	2.6	7
85	Projected soil organic carbon loss in response to climate warming and soil water content in a loess watershed. <i>Carbon Balance and Management</i> , <b>2021</b> , 16, 24	3.6	7
84	Coherent modes in multi-scale variability of precipitation over the headwater catchments in the Pearl River basin, South China. <i>Hydrological Processes</i> , <b>2017</b> , 31, 948-955	3.3	6
83	Encoding hydrologic information via a fractal geometric approach and its extensions. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2010</b> , 24, 625-632	3.5	6
82	Describing Near Surface, Transient Flow Processes in Unconfined Aquifers below Irrigated Lands: Model Application in the Western San Joaquin Valley, California. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2004</b> , 130, 451-459	1.1	6

81	Continuous monitoring of suspended sediment concentrations using image analytics and deriving inherent correlations by machine learning. <i>Scientific Reports</i> , <b>2020</b> , 10, 8589	4.9	6
80	Constructed wetland management in urban catchments for mitigating floods. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2021</b> , 35, 2105-2124	3.5	6
79	A comparison of fractal-multifractal techniques for encoding streamflow records. <i>Journal of Hydrology</i> , <b>2016</b> , 542, 564-580	6	6
78	Assessing future crop yield and crop water productivity over the Heihe River basin in northwest China under a changing climate. <i>Geoscience Letters</i> , <b>2021</b> , 8,	3.5	6
77	A Correlation Scale Threshold Method for Spatial Variability of Rainfall. <i>Hydrology</i> , <b>2019</b> , 6, 11	2.8	5
76	Analysis of cross-correlated chaotic streamflows. <i>Hydrological Sciences Journal</i> , <b>2002</b> , 47, 523-527	3.5	5
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