

Keith Beven

List of Publications by Year in Descending Order

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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.

305
papers

31,705
citations

83
h-index

173
g-index

355
ext. papers

34,524
ext. citations

4.4
avg, IF

7.83
L-index

#	Paper	IF	Citations
305	Refining an ensemble of volcanic ash forecasts using satellite retrievals: Raikoke 2019. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 6115-6134	6.8	0
304	Perceptual perplexity and parameter parsimony. <i>Wiley Interdisciplinary Reviews: Water</i> , 2021 , 8, e1530	5.7	7
303	Issues in generating stochastic observables for hydrological models. <i>Hydrological Processes</i> , 2021 , 35, e14203	3.3	5
302	Technical note: Hydrology modelling R packages in a unified analysis of models and practicalities from a user perspective. <i>Hydrology and Earth System Sciences</i> , 2021 , 25, 3937-3973	5.5	5
301	Knowledge gaps in our perceptual model of Great Britain's hydrology. <i>Hydrological Processes</i> , 2021 , 35, e14288	3.3	5
300	The era of infiltration. <i>Hydrology and Earth System Sciences</i> , 2021 , 25, 851-866	5.5	6
299	A history of TOPMODEL. <i>Hydrology and Earth System Sciences</i> , 2021 , 25, 527-549	5.5	14
298	An epistemically uncertain walk through the rather fuzzy subject of observation and model uncertainties ¹ . <i>Hydrological Processes</i> , 2021 , 35, e14012	3.3	1
297	Deep learning, hydrological processes and the uniqueness of place. <i>Hydrological Processes</i> , 2020 , 34, 3608-3613	3.3	19
296	A history of the concept of time of concentration. <i>Hydrology and Earth System Sciences</i> , 2020 , 24, 2655-2670	5.7	22
295	Hillslope runoff processes and flood frequency characteristics 2020 , 187-202		12
294	Developing observational methods to drive future hydrological science: Can we make a start as a community?. <i>Hydrological Processes</i> , 2020 , 34, 868-873	3.3	24
293	Assessing the significance of wet-canopy evaporation from forests during extreme rainfall events for flood mitigation in mountainous regions of the United Kingdom. <i>Hydrological Processes</i> , 2020 , 34, 4740-4754	3.3	7
292	How to make advances in hydrological modelling 2019 , 50, 1481-1494		30
291	Models of everywhere revisited: A technological perspective. <i>Environmental Modelling and Software</i> , 2019 , 122, 104521	5.2	16
290	Twenty-three unsolved problems in hydrology (UPH) in a community perspective. <i>Hydrological Sciences Journal</i> , 2019 , 64, 1141-1158	3.5	259
289	Following tracer through the unsaturated zone using a multiple interacting pathways model: Implications from laboratory experiments. <i>Hydrological Processes</i> , 2019 , 33, 2300-2313	3.3	5

288	Towards a methodology for testing models as hypotheses in the inexact sciences. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2019 , 475, 20180862	2.4	27
287	Validation and Equifinality. <i>Simulation Foundations, Methods and Applications</i> , 2019 , 791-809	0.6	4
286	Integration of hillslope hydrology and 2D hydraulic modelling for natural flood management 2019 , 50, 1535-1548		14
285	Invalidation of Models and Fitness-for-Purpose: A Rejectionist Approach. <i>Simulation Foundations, Methods and Applications</i> , 2019 , 145-171	0.6	8
284	Embracing equifinality with efficiency: Limits of Acceptability sampling using the DREAM(LOA) algorithm. <i>Journal of Hydrology</i> , 2018 , 559, 954-971	6	34
283	On hypothesis testing in hydrology: Why falsification of models is still a really good idea. <i>Wiley Interdisciplinary Reviews: Water</i> , 2018 , 5, e1278	5.7	34
282	Adaptive forecasting of phytoplankton communities. <i>Water Research</i> , 2018 , 134, 74-85	12.5	20
281	A new method, with application, for analysis of the impacts on flood risk of widely distributed enhanced hillslope storage. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 2589-2605	5.5	17
280	Hillslope response to sprinkling and natural rainfall using velocity and celerity estimates in a slate-bedrock catchment. <i>Journal of Hydrology</i> , 2018 , 558, 366-379	6	18
279	Epistemic uncertainties and natural hazard risk assessment [Part 2: What should constitute good practice?]. <i>Natural Hazards and Earth System Sciences</i> , 2018 , 18, 2769-2783	3.9	22
278	A Century of Denial: Preferential and Nonequilibrium Water Flow in Soils, 1864-1984. <i>Vadose Zone Journal</i> , 2018 , 17, 180153	2.7	31
277	Epistemic uncertainties and natural hazard risk assessment [Part 1: A review of different natural hazard areas. <i>Natural Hazards and Earth System Sciences</i> , 2018 , 18, 2741-2768	3.9	24
276	Reply to Discussion of Perceptual models of uncertainty for socio-hydrological systems: a flood risk change example. View all notes. <i>Hydrological Sciences Journal</i> , 2018 , 63, 2001-2003	3.5	
275	Nierji reservoir flood forecasting based on a Data-Based Mechanistic methodology. <i>Journal of Hydrology</i> , 2018 , 567, 227-237	6	4
274	Exploratory studies into seasonal flow forecasting potential for large lakes. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 127-141	5.5	11
273	A method for uncertainty constraint of catchment discharge and phosphorus load estimates. <i>Hydrological Processes</i> , 2018 , 32, 2779-2787	3.3	10
272	Event and model dependent rainfall adjustments to improve discharge predictions. <i>Hydrological Sciences Journal</i> , 2017 , 62, 232-245	3.5	5
271	The uncertainty cascade in model fusion. <i>Geological Society Special Publication</i> , 2017 , 408, 255-266	1.7	18

270	A modelling framework for evaluation of the hydrological impacts of nature-based approaches to flood risk management, with application to in-channel interventions across a 29-km ² scale catchment in the United Kingdom. <i>Hydrological Processes</i> , 2017 , 31, 1734-1748	3.3	49
269	Constraining uncertainty and process-representation in an algal community lake model using high frequency in-lake observations. <i>Ecological Modelling</i> , 2017 , 357, 1-13	3	7
268	A restatement of the natural science evidence concerning catchment-based 'natural' flood management in the UK. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2017 , 473, 20160706	2.4	129
267	Long-term variations in the net inflow record for Lake Malawi 2017 , 48, 851-866		6
266	Primary weathering rates, water transit times, and concentration-discharge relations: A theoretical analysis for the critical zone. <i>Water Resources Research</i> , 2017 , 53, 942-960	5.4	52
265	Epistemic uncertainties and natural hazard risk assessment. 1. A review of different natural hazard areas 2017 ,		1
264	Perceptual models of uncertainty for socio-hydrological systems: a flood risk change example. <i>Hydrological Sciences Journal</i> , 2017 , 62, 1705-1713	3.5	28
263	Strategies for Testing the Impact of Natural Flood Risk Management Measures 2017 ,		5
262	Prediction of storm transfers and annual loads with data-based mechanistic models using high-frequency data. <i>Hydrology and Earth System Sciences</i> , 2017 , 21, 6425-6444	5.5	7
261	Reproducing an extreme flood with uncertain post-event information. <i>Hydrology and Earth System Sciences</i> , 2017 , 21, 3597-3618	5.5	9
260	The seventh facet of uncertainty: wrong assumptions, unknowns and surprises in the dynamics of human-water systems. <i>Hydrological Sciences Journal</i> , 2016 , 61, 1748-1758	3.5	50
259	Facets of uncertainty: epistemic uncertainty, non-stationarity, likelihood, hypothesis testing, and communication. <i>Hydrological Sciences Journal</i> , 2016 , 61, 1652-1665	3.5	137
258	What Really Happens at the End of the Rainbow? [Paying the Price for Reducing Uncertainty (Using Reverse Hydrology Models)]. <i>Procedia Engineering</i> , 2016 , 154, 1333-1340		4
257	Sensitivity analysis of environmental models: A systematic review with practical workflow. <i>Environmental Modelling and Software</i> , 2016 , 79, 214-232	5.2	634
256	Uncertainty assessment of a dominant-process catchment model of dissolved phosphorus transfer. <i>Hydrology and Earth System Sciences</i> , 2016 , 20, 4819-4835	5.5	15
255	Advice to a young hydrologist. <i>Hydrological Processes</i> , 2016 , 30, 3578-3582	3.3	12
254	Equipped to deal with uncertainty in climate and impacts predictions: lessons from internal peer review. <i>Climatic Change</i> , 2015 , 132, 1-14	4.5	15
253	Dynamic TOPMODEL: A new implementation in R and its sensitivity to time and space steps. <i>Environmental Modelling and Software</i> , 2015 , 72, 155-172	5.2	41

252	Communicating uncertainty in flood inundation mapping: a case study. <i>International Journal of River Basin Management</i> , 2015 , 13, 285-295	1.7	31
251	Do we need a Community Hydrological Model?. <i>Water Resources Research</i> , 2015 , 51, 7777-7784	5.4	46
250	Hyperresolution information and hyperresolution ignorance in modelling the hydrology of the land surface. <i>Science China Earth Sciences</i> , 2015 , 58, 25-35	4.6	59
249	Concepts of Information Content and Likelihood in Parameter Calibration for Hydrological Simulation Models. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015 , 20,	1.8	53
248	GLUE based marine X-band weather radar data calibration and uncertainty estimation. <i>Urban Water Journal</i> , 2015 , 12, 283-294	2.3	2
247	Velocities, celerities and the basin of attraction in catchment response. <i>Hydrological Processes</i> , 2015 , 29, 5214-5226	3.3	10
246	Hydrological Modelling 2015 , 216-239		2
245	Hysteresis and scale in catchment storage, flow and transport. <i>Hydrological Processes</i> , 2015 , 29, 3604-3615	3.5	29
244	Digital catchment observatories: A platform for engagement and knowledge exchange between catchment scientists, policy makers, and local communities. <i>Water Resources Research</i> , 2015 , 51, 4815-4822	5.1	19
243	Barriers to progress in distributed hydrological modelling. <i>Hydrological Processes</i> , 2015 , 29, 2074-2078	3.3	31
242	What we see now: Event-persistence and the predictability of hydro-eco-geomorphological systems. <i>Ecological Modelling</i> , 2015 , 298, 4-15	3	21
241	Struggling with Epistemic Uncertainties in Environmental Modelling of Natural Hazards 2014 ,		2
240	Debates on the future of hydrological sciences: A (common) path forward? A call to action aimed at understanding velocities, celerities and residence time distributions of the headwater hydrograph. <i>Water Resources Research</i> , 2014 , 50, 5342-5350	5.4	271
239	Downstream changes in DOC: Inferring contributions in the face of model uncertainties. <i>Water Resources Research</i> , 2014 , 50, 514-525	5.4	40
238	Comparison of saturated areas mapping methods in the Jizera Mountains, Czech Republic. <i>Journal of Hydrology and Hydromechanics</i> , 2014 , 62, 160-168	2.1	9
237	Regional water balance modelling using flow-duration curves with observational uncertainties. <i>Hydrology and Earth System Sciences</i> , 2014 , 18, 2993-3013	5.5	33
236	The GLUE Methodology for Model Calibration with Uncertainty 2014 , 87-97		0
235	A Framework for Uncertainty Analysis 2014 , 39-59		2

234	Here we have a system in which liquid water is moving; let's just get at the physics of it [Penman 1965] 2014 , 45, 727-736		10
233	Vegetation pattern as an indicator of saturated areas in a Czech headwater catchment. <i>Hydrological Processes</i> , 2014 , 28, 5297-5308	3.3	9
232	GLUE: 20 years on. <i>Hydrological Processes</i> , 2014 , 28, 5897-5918	3.3	183
231	A guide to good practice in modeling semantics for authors and referees. <i>Water Resources Research</i> , 2013 , 49, 5092-5098	5.4	71
230	Uncertainty estimation of end-member mixing using generalized likelihood uncertainty estimation (GLUE), applied in a lowland catchment. <i>Water Resources Research</i> , 2013 , 49, 4792-4806	5.4	47
229	Smiling in the rain: Seven reasons to be positive about uncertainty in hydrological modelling. <i>Hydrological Processes</i> , 2013 , 27, 1117-1122	3.3	38
228	Macropores and water flow in soils revisited. <i>Water Resources Research</i> , 2013 , 49, 3071-3092	5.4	486
227	Banta Rhei "Everything Flows" Change in hydrology and society The IAHS Scientific Decade 2013-2022. <i>Hydrological Sciences Journal</i> , 2013 , 58, 1256-1275	3.5	452
226	Application of data-based mechanistic modelling for flood forecasting at multiple locations in the Eden catchment in the National Flood Forecasting System (England and Wales). <i>Hydrology and Earth System Sciences</i> , 2013 , 17, 177-185	5.5	14
225	Integrated modeling of flow and residence times at the catchment scale with multiple interacting pathways. <i>Water Resources Research</i> , 2013 , 49, 4738-4750	5.4	61
224	Probabilistic flood risk mapping including spatial dependence. <i>Hydrological Processes</i> , 2013 , 27, 1349-1363	3.3	92
223	Estimating phosphorus delivery with its mitigation measures from soil to stream using fuzzy rules. <i>Soil Use and Management</i> , 2013 , 29, 187-198	3.1	11
222	Estimating phosphorus delivery from land to water in headwater catchments using a fuzzy decision tree approach. <i>Soil Use and Management</i> , 2013 , 29, 175-186	3.1	6
221	So how much of your error is epistemic? Lessons from Japan and Italy. <i>Hydrological Processes</i> , 2013 , 27, 1677-1680	3.3	33
220	Causal models as multiple working hypotheses about environmental processes. <i>Comptes Rendus - Geoscience</i> , 2012 , 344, 77-88	1.4	84
219	Determining E. coli burden on pasture in a headwater catchment: combined field and modelling approach. <i>Environment International</i> , 2012 , 43, 6-12	12.9	14
218	Comment on Hyperresolution global land surface modeling: Meeting a grand challenge for monitoring Earth's terrestrial water by Eric F. Wood et al.. <i>Water Resources Research</i> , 2012 , 48,	5.4	104
217	Comment on Pursuing the method of multiple working hypotheses for hydrological modeling by P. Clark et al.. <i>Water Resources Research</i> , 2012 , 48,	5.4	47

216	On virtual observatories and modelled realities (or why discharge must be treated as a virtual variable). <i>Hydrological Processes</i> , 2012 , 26, 1905-1908	3.3	32
215	Modelling everything everywhere: a new approach to decision-making for water management under uncertainty. <i>Freshwater Biology</i> , 2012 , 57, 124-132	3.1	89
214	Comparison of a Multiple Interacting Pathways model with a classical kinematic wave subsurface flow solution. <i>Hydrological Sciences Journal</i> , 2012 , 57, 203-216	3.5	18
213	Communicating uncertainty in flood risk mapping 2012 ,		14
212	2012 ,		344
211	Processes influencing model-data mismatch in drought-stressed, fire-disturbed eddy flux sites. <i>Journal of Geophysical Research</i> , 2011 , 116,		19
210	On the colour and spin of epistemic error (and what we might do about it). <i>Hydrology and Earth System Sciences</i> , 2011 , 15, 3123-3133	5.5	99
209	Models as multiple working hypotheses: hydrological simulation of tropical alpine wetlands. <i>Hydrological Processes</i> , 2011 , 25, 1784-1799	3.3	69
208	I believe in climate change but how precautionary do we need to be in planning for the future?. <i>Hydrological Processes</i> , 2011 , 25, 1517-1520	3.3	74
207	On red herrings and real herrings: disinformation and information in hydrological inference. <i>Hydrological Processes</i> , 2011 , 25, 1676-1680	3.3	148
206	A discrete particle representation of hillslope hydrology: hypothesis testing in reproducing a tracer experiment at Gådsjö, Sweden. <i>Hydrological Processes</i> , 2011 , 25, 3602-3612	3.3	44
205	Flood-plain mapping: a critical discussion of deterministic and probabilistic approaches. <i>Hydrological Sciences Journal</i> , 2010 , 55, 364-376	3.5	167
204	Water Resources Assessment and Regional Virtual Water Potential in the Turpan Basin, China. <i>Water Resources Management</i> , 2010 , 24, 3321-3332	3.7	25
203	Visualization approaches for communicating real-time flood forecasting level and inundation information. <i>Journal of Flood Risk Management</i> , 2010 , 3, 140-150	3.1	55
202	Preferential flows and travel time distributions: defining adequate hypothesis tests for hydrological process models. <i>Hydrological Processes</i> , 2010 , 24, 1537-1547	3.3	83
201	Nature as the "natural" goal for water management: a conversation. <i>Ambio</i> , 2009 , 38, 209-14	6.5	21
200	Towards a limits of acceptability approach to the calibration of hydrological models: Extending observation error. <i>Journal of Hydrology</i> , 2009 , 367, 93-103	6	126
199	Testing a new model of aphid abundance with sedentary and non-sedentary predators. <i>Ecological Modelling</i> , 2009 , 220, 2469-2480	3	25

198	Multiple sources of predictive uncertainty in modeled estimates of net ecosystem CO ₂ exchange. <i>Ecological Modelling</i> , 2009 , 220, 3259-3270	3	41
197	Towards the provision of site specific flood warnings using wireless sensor networks. <i>Meteorological Applications</i> , 2009 , 16, 57-64	2.1	22
196	Uncertainty assessment of a process-based integrated catchment model of phosphorus. <i>Stochastic Environmental Research and Risk Assessment</i> , 2009 , 23, 991-1010	3.5	77
195	Comment on Equifinality of formal (DREAM) and informal (GLUE) Bayesian approaches in hydrologic modeling? By Jasper A. Vrugt, Cajo J. F. ter Braak, Hoshin V. Gupta and Bruce A. Robinson. <i>Stochastic Environmental Research and Risk Assessment</i> , 2009 , 23, 1059-1060	3.5	31
194	GLUE Based Assessment on the Overall Predictions of a MIKE SHE Application. <i>Water Resources Management</i> , 2009 , 23, 1325-1349	3.7	43
193	Uncertainty in flood estimation. <i>Structure and Infrastructure Engineering</i> , 2009 , 5, 325-332	2.9	12
192	A limits of acceptability approach to model evaluation and uncertainty estimation in flood frequency estimation by continuous simulation: Skalka catchment, Czech Republic. <i>Water Resources Research</i> , 2009 , 45,	5.4	141
191	Regionalization as a learning process. <i>Water Resources Research</i> , 2009 , 45,	5.4	45
190	Climate Change: The Need to Consider Human Forcings Besides Greenhouse Gases. <i>Eos</i> , 2009 , 90, 413	1.5	48
189	Reduced Order Emulation of Distributed Hydraulic Simulation Models. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 1762-1767		10
188	So just why would a modeller choose to be incoherent?. <i>Journal of Hydrology</i> , 2008 , 354, 15-32	6	206
187	Upscaling discrete internal observations for obtaining catchment-averaged TOPMODEL parameters in a small Mediterranean mountain basin. <i>Physics and Chemistry of the Earth</i> , 2008 , 33, 1090-1094	3	11
186	Multi-method global sensitivity analysis of flood inundation models. <i>Advances in Water Resources</i> , 2008 , 31, 1-14	4.7	174
185	On doing better hydrological science. <i>Hydrological Processes</i> , 2008 , 22, 3549-3553	3.3	83
184	Informal likelihood measures in model assessment: Theoretic development and investigation. <i>Advances in Water Resources</i> , 2008 , 31, 1087-1100	4.7	65
183	A data based mechanistic approach to nonlinear flood routing and adaptive flood level forecasting. <i>Advances in Water Resources</i> , 2008 , 31, 1048-1056	4.7	55
182	Computationally efficient flood water level prediction (with uncertainty) 2008 , 281-289		5
181	Developing a translational discourse to communicate uncertainty in flood risk between science and the practitioner. <i>Ambio</i> , 2007 , 36, 692-703	6.5	89

180	Comment on Hydrological forecasting uncertainty assessment: Incoherence of the GLUE methodology by Pietro Mantovan and Ezio Todini. <i>Journal of Hydrology</i> , 2007 , 338, 315-318	6	79
179	Fuzzy set approach to calibrating distributed flood inundation models using remote sensing observations. <i>Hydrology and Earth System Sciences</i> , 2007 , 11, 739-752	5.5	112
178	Towards integrated environmental models of everywhere: uncertainty, data and modelling as a learning process. <i>Hydrology and Earth System Sciences</i> , 2007 , 11, 460-467	5.5	178
177	Controls on catchment-scale patterns of phosphorus in soil, streambed sediment, and stream water. <i>Journal of Environmental Quality</i> , 2007 , 36, 694-708	3.4	31
176	Using internal catchment information to reduce the uncertainty of discharge and baseflow predictions. <i>Advances in Water Resources</i> , 2007 , 30, 808-823	4.7	46
175	Conditioning uncertainty in ecological models: Assessing the impact of fire management strategies. <i>Ecological Modelling</i> , 2007 , 207, 34-44	3	47
174	Multi-period and multi-criteria model conditioning to reduce prediction uncertainty in an application of TOPMODEL within the GLUE framework. <i>Journal of Hydrology</i> , 2007 , 332, 316-336	6	127
173	Grasping the unavoidable subjectivity in calibration of flood inundation models: A vulnerability weighted approach. <i>Journal of Hydrology</i> , 2007 , 333, 275-287	6	79
172	On undermining the science?. <i>Hydrological Processes</i> , 2006 , 20, 3141-3146	3.3	134
171	Decision tree for choosing an uncertainty analysis methodology: a wiki experiment http://www.floodrisknet.org.uk/methods http://www.floodrisk.net . <i>Hydrological Processes</i> , 2006 , 20, 3793-3798	3.3	23
170	Data assimilation and adaptive forecasting of water levels in the river Severn catchment, United Kingdom. <i>Water Resources Research</i> , 2006 , 42,	5.4	77
169	On the Value of Local Measurements for Prediction of Pesticide Transport at the Field Scale. <i>Vadose Zone Journal</i> , 2006 , 5, 222-233	2.7	8
168	A semi-empirical model to assess uncertainty of spatial patterns of erosion. <i>Catena</i> , 2006 , 66, 198-210	5.8	28
167	A manifesto for the equifinality thesis. <i>Journal of Hydrology</i> , 2006 , 320, 18-36	6	1539
166	A disaggregating approach to describe overland flow occurrence within a catchment. <i>Journal of Hydrology</i> , 2006 , 323, 22-40	6	7
165	A fuzzy decision tree to predict phosphorus export at the catchment scale. <i>Journal of Hydrology</i> , 2006 , 331, 484-494	6	13
164	Searching for the Holy Grail of scientific hydrology: $Q = S, R, A$ as closure. <i>Hydrology and Earth System Sciences</i> , 2006 , 10, 609-618	5.5	176
163	Parameter conditioning and prediction uncertainties of the LISFLOOD-WB distributed hydrological model. <i>Hydrological Sciences Journal</i> , 2006 , 51, 45-65	3.5	26

162	Influence of uncertain boundary conditions and model structure on flood inundation predictions. <i>Advances in Water Resources</i> , 2006 , 29, 1430-1449	4.7	266
161	A comparison of non-linear least square and GLUE for model calibration and uncertainty estimation for pesticide transport in soils. <i>Advances in Water Resources</i> , 2006 , 29, 1924-1933	4.7	21
160	Sensitivity analysis based on regional splits and regression trees (SARS-RT). <i>Environmental Modelling and Software</i> , 2006 , 21, 976-990	5.2	53
159	Comments on generalised likelihood uncertainty estimation. <i>Reliability Engineering and System Safety</i> , 2006 , 91, 1315-1321	6.3	37
158	Uncertainty Estimation in Phosphorus Models 2006 , 131-160		1
157	Uncertainty in the calibration of effective roughness parameters in HEC-RAS using inundation and downstream level observations. <i>Journal of Hydrology</i> , 2005 , 302, 46-69	6	307
156	Modelling the effect of fire-exclusion and prescribed fire on wildfire size in Mediterranean ecosystems. <i>Ecological Modelling</i> , 2005 , 183, 397-409	3	79
155	On the concept of delivery of sediment and nutrients to stream channels. <i>Hydrological Processes</i> , 2005 , 19, 551-556	3.3	67
154	On the concept of model structural error. <i>Water Science and Technology</i> , 2005 , 52, 167-175	2.2	103
153	Spatial variability of soil phosphorus in relation to the topographic index and critical source areas: sampling for assessing risk to water quality. <i>Journal of Environmental Quality</i> , 2005 , 34, 2263-77	3.4	86
152	Rainfall-Runoff Modeling: Introduction 2005 ,		3
151	Model Calibration and Uncertainty Estimation 2005 ,		82
150	On the concept of model structural error. <i>Water Science and Technology</i> , 2005 , 52, 167-75	2.2	1
149	Temporal variability in phosphorus transfers: classifying concentration-discharge event dynamics. <i>Hydrology and Earth System Sciences</i> , 2004 , 8, 88-97	5.5	62
148	Uncertainty analysis of the rainfall runoff model LisFlood within the Generalized Likelihood Uncertainty Estimation (GLUE). <i>International Journal of River Basin Management</i> , 2004 , 2, 123-133	1.7	9
147	Bayesian updating of flood inundation likelihoods conditioned on flood extent data. <i>Hydrological Processes</i> , 2004 , 18, 3347-3370	3.3	123
146	Does an interagency meeting in Washington imply uncertainty?. <i>Hydrological Processes</i> , 2004 , 18, 1747-1750	3.5	11
145	Robert E. Horton's perceptual model of infiltration processes. <i>Hydrological Processes</i> , 2004 , 18, 3447-3460	3.5	74

144	Robert E. Horton and abrupt rises of ground water. <i>Hydrological Processes</i> , 2004 , 18, 3687-3696	3.3	19
143	Functional classification and evaluation of hydrographs based on Multicomponent Mapping (Mx). <i>International Journal of River Basin Management</i> , 2004 , 2, 89-100	1.7	34
142	Reply to The emergence of a new kind of relativism in environmental modelling: a commentary by Philippe Baveye. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2004 , 460, 2147-2151	2.4	5
141	Flood frequency estimation by continuous simulation of subcatchment rainfalls and discharges with the aim of improving dam safety assessment in a large basin in the Czech Republic. <i>Journal of Hydrology</i> , 2004 , 292, 153-172	6	98
140	Infiltration excess at the Horton Hydrology Laboratory (or not?). <i>Journal of Hydrology</i> , 2004 , 293, 219-236		25
139	Multi-objective parameter conditioning of a three-source wheat canopy model. <i>Agricultural and Forest Meteorology</i> , 2004 , 122, 39-63	5.8	45
138	Towards the hydraulics of the hydroinformatics era. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2003 , 41, 331-336	1.9	7
137	Development of a European flood forecasting system. <i>International Journal of River Basin Management</i> , 2003 , 1, 49-59	1.7	155
136	Multivariate seasonal period model rejection within the generalised likelihood uncertainty estimation procedure. <i>Water Science and Application</i> , 2003 , 69-87		46
135	Modelling hydrologic responses in a small forested catchment (Panola Mountain, Georgia, USA): a comparison of the original and a new dynamic TOPMODEL. <i>Hydrological Processes</i> , 2003 , 17, 345-362	3.3	44
134	Data-supported robust parameterisations in land surface atmosphere flux predictions: towards a top-down approach. <i>Hydrological Processes</i> , 2003 , 17, 2259-2277	3.3	30
133	On environmental models of everywhere on the GRID. <i>Hydrological Processes</i> , 2003 , 17, 171-174	3.3	14
132	The Geochemical Evolution of Riparian Ground Water in a Forested Piedmont Catchment. <i>Ground Water</i> , 2003 , 41, 913-925	2.4	81
131	Vadose zone flow model uncertainty as conditioned on geophysical data. <i>Ground Water</i> , 2003 , 41, 119-224	2.4	65
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