

# David Hannah

## List of Publications by Citations

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269  
papers

11,135  
citations

57  
h-index

97  
g-index

305  
ext. papers

12,926  
ext. citations

4.8  
avg, IF

6.45  
L-index

#	Paper	IF	Citations
269	Recent advances in stream and river temperature research. <i>Hydrological Processes</i> , <b>2008</b> , 22, 902-918	3.3	529
268	Hydrological droughts in the 21st century, hotspots and uncertainties from a global multimodel ensemble experiment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 3262-7	11.5	470
267	Riparian vegetation and island formation along the gravel-bed Fiume Tagliamento, Italy. <i>Earth Surface Processes and Landforms</i> , <b>2001</b> , 26, 31-62	3.7	319
266	Twenty-three unsolved problems in hydrology (UPH) – a community perspective. <i>Hydrological Sciences Journal</i> , <b>2019</b> , 64, 1141-1158	3.5	259
265	Citizen science in hydrology and water resources: opportunities for knowledge generation, ecosystem service management, and sustainable development. <i>Frontiers in Earth Science</i> , <b>2014</b> , 2,	3.5	237
264	Glacier shrinkage driving global changes in downstream systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 9770-9778	11.5	235
263	Vulnerability of alpine stream biodiversity to shrinking glaciers and snowpacks. <i>Global Change Biology</i> , <b>2007</b> , 13, 958-966	11.4	227
262	Large-scale river flow archives: importance, current status and future needs. <i>Hydrological Processes</i> , <b>2011</b> , 25, 1191-1200	3.3	221
261	Hydroecological response of river systems to shrinking glaciers. <i>Hydrological Processes</i> , <b>2009</b> , 23, 62-77	3.3	208
260	Inter-disciplinary perspectives on processes in the hyporheic zone. <i>Ecohydrology</i> , <b>2011</b> , 4, 481-499	2.5	199
259	Drought in a human-modified world: reframing drought definitions, understanding, and analysis approaches. <i>Hydrology and Earth System Sciences</i> , <b>2016</b> , 20, 3631-3650	5.5	198
258	Groundwater-surface water interactions: New methods and models to improve understanding of processes and dynamics. <i>Advances in Water Resources</i> , <b>2010</b> , 33, 1291-1295	4.7	172
257	Flow variability and macroinvertebrate community response within riverine systems. <i>River Research and Applications</i> , <b>2006</b> , 22, 595-615	2.3	140
256	Climate change and water in the UK – past changes and future prospects. <i>Progress in Physical Geography</i> , <b>2015</b> , 39, 6-28	3.5	138
255	Hydrological influences on hyporheic water quality: implications for salmon egg survival. <i>Hydrological Processes</i> , <b>2004</b> , 18, 1543-1560	3.3	133
254	Evidence needed to manage freshwater ecosystems in a changing climate: turning adaptation principles into practice. <i>Science of the Total Environment</i> , <b>2010</b> , 408, 4150-64	10.2	128
253	Human domination of the global water cycle absent from depictions and perceptions. <i>Nature Geoscience</i> , <b>2019</b> , 12, 533-540	18.3	124

252	Spatial pattern in the precipitation regime of Nepal. <i>International Journal of Climatology</i> , <b>2004</b> , 24, 1645-1659	3.5	122
251	A comparison of forest and moorland stream microclimate, heat exchanges and thermal dynamics. <i>Hydrological Processes</i> , <b>2008</b> , 22, 919-940	3.3	121
250	An approach to hydrograph classification. <i>Hydrological Processes</i> , <b>2000</b> , 14, 317-338	3.3	115
249	Heat exchanges and temperatures within a salmon spawning stream in the Cairngorms, Scotland: seasonal and sub-seasonal dynamics. <i>River Research and Applications</i> , <b>2004</b> , 20, 635-652	2.3	109
248	Selection of river flow indices for the assessment of hydroecological change. <i>River Research and Applications</i> , <b>2007</b> , 23, 113-122	2.3	108
247	Wood storage within the active zone of a large European gravel-bed river. <i>Geomorphology</i> , <b>2000</b> , 34, 55-72	4.3	107
246	Macroinvertebrate community response to inter-annual and regional river flow regime dynamics. <i>River Research and Applications</i> , <b>2008</b> , 24, 988-1001	2.3	106
245	A comparative analysis of ecosystem services valuation approaches for application at the local scale and in data scarce regions. <i>Ecosystem Services</i> , <b>2016</b> , 22, 250-259	6.1	105
244	Using multi-tracer inference to move beyond single-catchment ecohydrology. <i>Earth-Science Reviews</i> , <b>2016</b> , 160, 19-42	10.2	105
243	Classification of river regimes: a context for hydroecology. <i>Hydrological Processes</i> , <b>2000</b> , 14, 2831-2848	3.3	102
242	Ecohydrological interfaces as hot spots of ecosystem processes. <i>Water Resources Research</i> , <b>2017</b> , 53, 6359-6376	5.4	100
241	Alpine Stream Habitat Classification: An Alternative Approach Incorporating the Role of Dynamic Water Source Contributions. <i>Arctic, Antarctic, and Alpine Research</i> , <b>2003</b> , 35, 313-322	1.8	99
240	Regional hydrological drought in north-western Europe: linking a new Regional Drought Area Index with weather types. <i>Hydrological Processes</i> , <b>2011</b> , 25, 1163-1179	3.3	97
239	Future hydrological extremes: the uncertainty from multiple global climate and global hydrological models. <i>Earth System Dynamics</i> , <b>2015</b> , 6, 267-285	4.8	94
238	Real-time monitoring of nutrients and dissolved organic matter in rivers: Capturing event dynamics, technological opportunities and future directions. <i>Science of the Total Environment</i> , <b>2016</b> , 569-570, 647-660	10.2	89
237	River water temperature in the United Kingdom: Changes over the 20th century and possible changes over the 21st century. <i>Progress in Physical Geography</i> , <b>2015</b> , 39, 68-92	3.5	87
236	Catchment-scale controls on groundwater-surface water interactions in the hyporheic zone: implications for salmon embryo survival. <i>River Research and Applications</i> , <b>2005</b> , 21, 977-989	2.3	87
235	Observed drought indices show increasing divergence across Europe. <i>Scientific Reports</i> , <b>2017</b> , 7, 14045	4.9	86

234	Upscaling Nitrogen Removal Capacity from Local Hotspots to Low Stream Orders Drainage Basins. <i>Ecosystems</i> , <b>2015</b> , 18, 1101-1120	3.9	85
233	Ecohydrology and hydroecology: A new paradigm. <i>Hydrological Processes</i> , <b>2004</b> , 18, 3439-3445	3.3	85
232	Using tracers to upscale flow path understanding in mesoscale mountainous catchments: two examples from Scotland. <i>Journal of Hydrology</i> , <b>2004</b> , 291, 174-196	6	83
231	Integrating climate hydrology ecology for alpine river systems. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , <b>2007</b> , 17, 636-656	2.6	82
230	Flow regimes of Himalayan rivers of Nepal: nature and spatial patterns. <i>Journal of Hydrology</i> , <b>2005</b> , 308, 18-32	6	80
229	Techniques for assessing the climatic sensitivity of river flow regimes. <i>Hydrological Processes</i> , <b>2004</b> , 18, 2515-2543	3.3	80
228	The influence of riparian woodland on stream temperatures: implications for the performance of juvenile salmonids. <i>Hydrological Processes</i> , <b>2008</b> , 22, 968-979	3.3	76
227	Citizen science for hydrological risk reduction and resilience building. <i>Wiley Interdisciplinary Reviews: Water</i> , <b>2018</b> , 5, e1262	5.7	71
226	River temperature modelling: A review of process-based approaches and future directions. <i>Earth-Science Reviews</i> , <b>2017</b> , 175, 97-113	10.2	70
225	The role of riparian vegetation density, channel orientation and water velocity in determining river temperature dynamics. <i>Journal of Hydrology</i> , <b>2017</b> , 553, 471-485	6	69
224	The influence of riparian woodland on the spatial and temporal variability of stream water temperatures in an upland salmon stream. <i>Hydrology and Earth System Sciences</i> , <b>2004</b> , 8, 449-459	5.5	69
223	Spatial heterogeneity of water temperature across an alpine river basin. <i>Hydrological Processes</i> , <b>2008</b> , 22, 954-967	3.3	68
222	PROJECTED FLOW ALTERATION AND ECOLOGICAL RISK FOR PAN-EUROPEAN RIVERS. <i>River Research and Applications</i> , <b>2014</b> , 30, 299-314	2.3	63
221	In situ tryptophan-like fluorometers: assessing turbidity and temperature effects for freshwater applications. <i>Environmental Sciences: Processes and Impacts</i> , <b>2015</b> , 17, 740-52	4.3	62
220	Seasonal hyporheic temperature dynamics over riffle bedforms. <i>Hydrological Processes</i> , <b>2009</b> , 23, 2178-2194	3.94	62
219	Citizen Science for Water Resources Management: Toward Polycentric Monitoring and Governance?. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2016</b> , 142, 01816002	2.8	61
218	European-Scale Drought: Understanding Connections between Atmospheric Circulation and Meteorological Drought Indices. <i>Journal of Climate</i> , <b>2015</b> , 28, 505-516	4.4	60
217	Longitudinal variations in exposed riverine sediments: a context for the ecology of the Fiume Tagliamento, Italy. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , <b>2000</b> , 10, 249-266	2.6	60

216	A spatio-temporal statistical model of maximum daily river temperatures to inform the management of Scotland's Atlantic salmon rivers under climate change. <i>Science of the Total Environment</i> , <b>2018</b> , 612, 1543-1558	10.2	59
215	Stream temperature under contrasting riparian forest cover: Understanding thermal dynamics and heat exchange processes. <i>Science of the Total Environment</i> , <b>2018</b> , 610-611, 1375-1389	10.2	58
214	Spatial and temporal water column and streambed temperature dynamics within an alpine catchment: implications for benthic communities. <i>Hydrological Processes</i> , <b>2005</b> , 19, 1585-1610	3.3	58
213	Groundwater influence on alpine stream ecosystems. <i>Freshwater Biology</i> , <b>2007</b> , 52, 878-890	3.1	56
212	Hyporheic hydrology: interactions at the groundwater-surface water interface. <i>Hydrological Processes</i> , <b>2009</b> , 23, 2103-2107	3.3	54
211	What causes cooling water temperature gradients in a forested stream reach?. <i>Hydrology and Earth System Sciences</i> , <b>2014</b> , 18, 5361-5376	5.5	54
210	Water, resilience and the law: From general concepts and governance design principles to actionable mechanisms. <i>Environmental Science and Policy</i> , <b>2014</b> , 43, 98-110	6.2	53
209	River temperature regimes of England and Wales: spatial patterns, inter-annual variability and climatic sensitivity. <i>Hydrological Processes</i> , <b>2014</b> , 28, 5583-5598	3.3	53
208	Modification of climate-river flow associations by basin properties. <i>Journal of Hydrology</i> , <b>2010</b> , 389, 186-204	204	53
207	Groundwater-surface water interactions in upland Scottish rivers: hydrological, hydrochemical and ecological implications. <i>Scottish Journal of Geology</i> , <b>2005</b> , 41, 39-49	1.4	53
206	Hydroclimatological influences on water column and streambed thermal dynamics in an alpine river system. <i>Journal of Hydrology</i> , <b>2006</b> , 325, 1-20	6	51
205	A hydrogeomorphological context for ecological research on alpine glacial rivers. <i>Freshwater Biology</i> , <b>2001</b> , 46, 1579-1596	3.1	51
204	Spatial variability of precipitation regimes over Turkey. <i>Hydrological Sciences Journal</i> , <b>2010</b> , 55, 234-249	3.5	49
203	Water source dynamics in a glacierized alpine river basin (Taillon-Gabièous, French Pyrénées). <i>Water Resources Research</i> , <b>2006</b> , 42,	5.4	49
202	A conceptual, linear reservoir runoff model to investigate melt season changes in cirque glacier hydrology. <i>Journal of Hydrology</i> , <b>2001</b> , 246, 123-141	6	49
201	Environmental Virtual Observatories (EVOs): prospects for knowledge co-creation and resilience in the Information Age. <i>Current Opinion in Environmental Sustainability</i> , <b>2016</b> , 18, 40-48	7.2	48
200	How does macroinvertebrate taxonomic resolution influence ecohydrological relationships in riverine ecosystems. <i>Ecohydrology</i> , <b>2012</b> , 5, 36-45	2.5	48
199	Stability and Persistence of Alpine Stream Macroinvertebrate Communities and the Role of Physicochemical Habitat Variables. <i>Hydrobiologia</i> , <b>2006</b> , 560, 159-173	2.4	48

198	Functional diversity and community assembly of river invertebrates show globally consistent responses to decreasing glacier cover. <i>Nature Ecology and Evolution</i> , <b>2018</b> , 2, 325-333	12.3	47
197	The use of invertebrates as indicators of environmental change in alpine rivers and lakes. <i>Science of the Total Environment</i> , <b>2014</b> , 493, 1242-54	10.2	46
196	User-driven design of decision support systems for polycentric environmental resources management. <i>Environmental Modelling and Software</i> , <b>2017</b> , 88, 58-73	5.2	46
195	Macroinvertebrate responses to flow and stream temperature variability across regulated and non-regulated rivers. <i>Ecohydrology</i> , <b>2017</b> , 10, e1773	2.5	45
194	What are the effects of wooded riparian zones on stream temperature?. <i>Environmental Evidence</i> , <b>2012</b> , 1, 3	3.3	44
193	Panta Rhei 2013-2015: global perspectives on hydrology, society and change. <i>Hydrological Sciences Journal</i> , <b>2016</b> , 1-18	3.5	44
192	Inter-comparison of weather and circulation type classifications for hydrological drought development. <i>Physics and Chemistry of the Earth</i> , <b>2010</b> , 35, 507-515	3	41
191	Large-scale climate, precipitation and British river flows: Identifying hydroclimatological connections and dynamics. <i>Journal of Hydrology</i> , <b>2010</b> , 395, 242-255	6	39
190	River flow teleconnections across the northern North Atlantic region. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	39
189	Influence of dam-induced hydrological regulation on summer water temperature: Sauce Grande River, Argentina. <i>Ecohydrology</i> , <b>2013</b> , 6, 523-535	2.5	37
188	Alpine Stream Temperature Response to Storm Events. <i>Journal of Hydrometeorology</i> , <b>2007</b> , 8, 952-967	3.7	37
187	Assessing the potential of drone-based thermal infrared imagery for quantifying river temperature heterogeneity. <i>Hydrological Processes</i> , <b>2019</b> , 33, 1152-1163	3.3	36
186	ARISE: a classification tool for Alpine River and Stream Ecosystems. <i>Freshwater Biology</i> , <b>2009</b> , 54, 1357-1369	3.6	36
185	Development of spatial regression models for predicting summer river temperatures from landscape characteristics: Implications for land and fisheries management. <i>Hydrological Processes</i> , <b>2017</b> , 31, 1225-1238	3.3	35
184	Hydroecology and ecohydrology: a potential route forward?. <i>Hydrological Processes</i> , <b>2007</b> , 21, 3385-3390	3.3	35
183	Large-Scale Climatic Controls on New England River Flow. <i>Journal of Hydrometeorology</i> , <b>2007</b> , 8, 367-379	3.7	34
182	Hydroclimatology of extreme river flows. <i>Freshwater Biology</i> , <b>2015</b> , 60, 2461-2476	3.1	33
181	Stream temperature dynamics within a New Zealand glacierized river basin. <i>River Research and Applications</i> , <b>2008</b> , 24, 68-89	2.3	33

180	HESS Opinions: A conceptual framework for assessing socio-hydrological resilience under change. <i>Hydrology and Earth System Sciences</i> , <b>2017</b> , 21, 3655-3670	5.5	32
179	Interstitial pore-water temperature dynamics across a pool-riffle-pool sequence. <i>Ecohydrology</i> , <b>2011</b> , 4, 549-563	2.5	32
178	Development of a spatial synoptic classification scheme for western Europe. <i>International Journal of Climatology</i> , <b>2007</b> , 27, 2017-2040	3.5	31
177	Macroinvertebrate community responses to hydrological controls and groundwater abstraction effects across intermittent and perennial headwater streams. <i>Science of the Total Environment</i> , <b>2018</b> , 610-611, 1514-1526	10.2	30
176	Dynamic Hyporheic Zones: Exploring the Role of Peak Flow Events on Bedform-Induced Hyporheic Exchange. <i>Water Resources Research</i> , <b>2019</b> , 55, 218-235	5.4	30
175	Improving representation of riparian vegetation shading in a regional stream temperature model using LiDAR data. <i>Science of the Total Environment</i> , <b>2018</b> , 624, 480-490	10.2	29
174	Thermal sensitivity of CO and CH emissions varies with streambed sediment properties. <i>Nature Communications</i> , <b>2018</b> , 9, 2803	17.4	29
173	Water source dynamics of high Arctic river basins. <i>Hydrological Processes</i> , <b>2014</b> , 28, 3521-3538	3.3	29
172	Inter-annual variability in the effects of riparian woodland on micro-climate, energy exchanges and water temperature of an upland Scottish stream. <i>Hydrological Processes</i> , <b>2015</b> , 29, 1080-1095	3.3	29
171	Ocean-Atmosphere Forcing of Summer Streamflow Drought in Great Britain. <i>Journal of Hydrometeorology</i> , <b>2013</b> , 14, 331-344	3.7	29
170	Regional climate and atmospheric circulation controls on the discharge of two British rivers, 1974-97. <i>Theoretical and Applied Climatology</i> , <b>2003</b> , 76, 141-164	3	29
169	Spatio-temporal variation in microclimate, the surface energy balance and ablation over a cirque glacier. <i>International Journal of Climatology</i> , <b>2000</b> , 20, 733-758	3.5	29
168	A water cycle for the Anthropocene. <i>Hydrological Processes</i> , <b>2019</b> , 33, 3046-3052	3.3	28
167	Alpine aquatic ecosystem conservation policy in a changing climate. <i>Environmental Science and Policy</i> , <b>2014</b> , 43, 39-55	6.2	28
166	Predicting river ecosystem response to glacial meltwater dynamics: a case study of quantitative water sourcing and glaciality index approaches. <i>Aquatic Sciences</i> , <b>2010</b> , 72, 325-334	2.5	28
165	Scales of hydroecological variability within a groundwater-dominated stream. <i>River Research and Applications</i> , <b>2001</b> , 17, 347-367		28
164	Low-Cost Environmental Sensor Networks: Recent Advances and Future Directions. <i>Frontiers in Earth Science</i> , <b>2019</b> , 7,	3.5	27
163	Numerical modelling of spatio-temporal thermal heterogeneity in a complex river system. <i>Journal of Hydrology</i> , <b>2012</b> , 414-415, 491-502	6	27



162	Connecting large-scale atmospheric circulation, river flow and groundwater levels in a chalk catchment in southern England. <i>Journal of Hydrology</i> , <b>2015</b> , 523, 179-189	6	27
161	Regional classification, variability, and trends of northern North Atlantic river flow. <i>Hydrological Processes</i> , <b>2011</b> , 25, 1021-1033	3.3	27
160	A methodology for investigation of the seasonal evolution in proglacial hydrograph form. <i>Hydrological Processes</i> , <b>1999</b> , 13, 2603-2621	3.3	27
159	Floods in the Southern Alps of New Zealand: the importance of atmospheric rivers. <i>Hydrological Processes</i> , <b>2016</b> , 30, 5063-5070	3.3	27
158	Uncertainties in projected runoff over the conterminous United States. <i>Climatic Change</i> , <b>2018</b> , 150, 149-162	162	27
157	Climate change and water in the UK: Recent scientific evidence for past and future change. <i>Progress in Physical Geography</i> , <b>2017</b> , 41, 154-170	3.5	26
156	A novel approach for designing large-scale river temperature monitoring networks <b>2016</b> , 47, 569-590		26
155	European precipitation connections with large-scale mean sea-level pressure (MSLP) fields. <i>Hydrological Sciences Journal</i> , <b>2013</b> , 58, 310-327	3.5	26
154	Thermal variability and stream flow permanency in an alpine river system. <i>River Research and Applications</i> , <b>2006</b> , 22, 493-501	2.3	26
153	Multi-time-scale hydroclimate dynamics of a regional watershed and links to large-scale atmospheric circulation: Application to the Seine river catchment, France. <i>Journal of Hydrology</i> , <b>2017</b> , 546, 262-275	6	25
152	An observation-based method to quantify the human influence on hydrological drought: upstream-downstream comparison. <i>Hydrological Sciences Journal</i> , <b>2019</b> , 64, 276-287	3.5	25
151	The potential of large woody debris to alter biogeochemical processes and ecosystem services in lowland rivers. <i>Wiley Interdisciplinary Reviews: Water</i> , <b>2014</b> , 1, 263-275	5.7	25
150	Woody debris is related to reach-scale hotspots of lowland stream ecosystem respiration under baseflow conditions. <i>Ecohydrology</i> , <b>2018</b> , 11, e1952	2.5	24
149	Stream solute tracer timescales changing with discharge and reach length confound process interpretation. <i>Water Resources Research</i> , <b>2016</b> , 52, 3227-3245	5.4	24
148	Avian community responses to variability in river hydrology. <i>PLoS ONE</i> , <b>2013</b> , 8, e83221	3.7	24
147	Developing observational methods to drive future hydrological science: Can we make a start as a community?. <i>Hydrological Processes</i> , <b>2020</b> , 34, 868-873	3.3	24
146	Streambed Organic Matter Controls on Carbon Dioxide and Methane Emissions from Streams. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 2364-2374	10.3	23
145	River temperature research and practice: Recent challenges and emerging opportunities for managing thermal habitat conditions in stream ecosystems. <i>Science of the Total Environment</i> , <b>2020</b> , 736, 139679	10.2	23



144	Environmental drivers of macroinvertebrate communities in high Arctic rivers (Svalbard). <i>Freshwater Biology</i> , <b>2014</b> , 59, 378-391	3.1	23
143	River and stream temperature: dynamics, processes, models and implications. <i>Hydrological Processes</i> , <b>2008</b> , 22, 899-901	3.3	23
142	Macroinvertebrate community responses to river impoundment at multiple spatial scales. <i>Science of the Total Environment</i> , <b>2019</b> , 650, 2648-2656	10.2	23
141	Continuous field estimation of dissolved organic carbon concentration and biochemical oxygen demand using dual-wavelength fluorescence, turbidity and temperature. <i>Hydrological Processes</i> , <b>2017</b> , 31, 540-555	3.3	21
140	River birds' response to hydrological extremes: New vulnerability index and conservation implications. <i>Biological Conservation</i> , <b>2014</b> , 177, 64-73	6.2	21
139	Climate-river flow relationships across montane and lowland environments in northern Europe. <i>Hydrological Processes</i> , <b>2009</b> , 23, 985-996	3.3	21
138	Evaluating the impact of climate on snow- and ice-melt dynamics in the Taillon basin, French Pyrenees. <i>Journal of Glaciology</i> , <b>1997</b> , 43, 563-568	3.4	21
137	Glacier-groundwater stress gradients control alpine river biodiversity. <i>Ecohydrology</i> , <b>2016</b> , 9, 1263-1275	2.5	20
136	Large scale moisture flux characteristics of the mediterranean basin and their relationships with drier and wetter climate conditions. <i>Climate Dynamics</i> , <b>2015</b> , 45, 3381-3401	4.2	18
135	Nutrient uptake controls and limitation dynamics in north-east Greenland streams. <i>Polar Research</i> , <b>2018</b> , 37, 1440107	2	17
134	Shared environmental responses drive co-occurrence patterns in river bird communities. <i>Ecography</i> , <b>2016</b> , 39, 733-742	6.5	17
133	Experimental evidence that predator range expansion modifies alpine stream community structure. <i>Freshwater Science</i> , <b>2015</b> , 34, 66-80	2	17
132	Experiences of using mobile technologies and virtual field tours in Physical Geography: implications for hydrology education. <i>Hydrology and Earth System Sciences</i> , <b>2012</b> , 16, 1281-1286	5.5	17
131	Asymmetric impact of groundwater use on groundwater droughts. <i>Hydrology and Earth System Sciences</i> , <b>2020</b> , 24, 4853-4868	5.5	17
130	Citizens AND HYdrology (CANDHY): conceptualizing a transdisciplinary framework for citizen science addressing hydrological challenges. <i>Hydrological Sciences Journal</i> , <b>2021</b> , 1-18	3.5	17
129	Impacts of water level on metabolism and transient storage in vegetated lowland rivers: Insights from a mesocosm study. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2017</b> , 122, 628-644	3.7	16
128	Exploring Tracer Information and Model Framework Trade-Offs to Improve Estimation of Stream Transient Storage Processes. <i>Water Resources Research</i> , <b>2019</b> , 55, 3481-3501	5.4	16
127	Water temperature dynamics in High Arctic river basins. <i>Hydrological Processes</i> , <b>2012</b> , 27, n/a-n/a	3.3	16

126	Responses to river inundation pressures control prey selection of riparian beetles. <i>PLoS ONE</i> , <b>2013</b> , 8, e61866	3.7	16
125	The role of microhabitat and food availability in determining riparian invertebrate distributions on gravel bars: a habitat manipulation experiment. <i>Ecohydrology</i> , <b>2011</b> , 4, 512-519	2.5	16
124	Multi-method assessment of reservoir effects on hydrological droughts in an arid region <b>2016</b> ,		16
123	Heat exchange processes and thermal dynamics of a glacier-fed alpine stream. <i>Hydrological Processes</i> , <b>2015</b> , 29, 3306-3317	3.3	15
122	Large-scale hydrology: advances in understanding processes, dynamics and models from beyond river basin to global scale. <i>Hydrological Processes</i> , <b>2011</b> , 25, 991-995	3.3	15
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