Arjen Y Hoekstra

List of Publications by Citations

213 papers	19,817 citations	68 h-index	138 g-index
242 ext. papers	23,216 ext. citations	6.8 avg, IF	7.9 L-index

#	Paper	IF	Citations
213	Four billion people facing severe water scarcity. *Science Advances*, **2016**, 2, e1500323	14.3	1901
212	The water footprint of humanity. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 3232-7	11.5	1223
211	The green, blue and grey water footprint of crops and derived crop products. *Hydrology and Earth System Sciences*, **2011**, 15, 1577-1600	5.5	1055
210	Water footprints of nations: Water use by people as a function of their consumption pattern. *Water Resources Management*, **2006**, 21, 35-48	3.7	766
209	A Global Assessment of the Water Footprint of Farm Animal Products. *Ecosystems*, **2012**, 15, 401-415	3.9	608
208	Humanity's unsustainable environmental footprint. *Science*, **2014**, 344, 1114-7	33.3	578
207	Global monthly water scarcity: blue water footprints versus blue water availability. *PLoS ONE*, **2012**, 7, e32688	3.7	559
206	The water footprint of bioenergy. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 10219-23	11.5	529
205	The water footprint of cotton consumption: An assessment of the impact of worldwide consumption of cotton products on the water resources in the cotton producing countries. *Ecological Economics*, **2006**, 60, 186-203	5.6	442
204	Globalisation of water resources: international virtual water flows in relation to crop trade. *Global Environmental Change*, **2005**, 15, 45-56	10.1	432
203	The water footprint of energy from biomass: A quantitative assessment and consequences of an increasing share of bio-energy in energy supply. *Ecological Economics*, **2009**, 68, 1052-1060	5.6	300
202	The blue, green and grey water footprint of rice from production and consumption perspectives. *Ecological Economics*, **2011**, 70, 749-758	5.6	284
201	Water saving through international trade of agricultural products. *Hydrology and Earth System Sciences*, **2006**, 10, 455-468	5.5	265
200	The global component of freshwater demand and supply: an assessment of virtual water flows between nations as a result of trade in agricultural and industrial products. *Water International*, **2008**, 33, 19-32	2.4	261
199	Water footprint scenarios for 2050: a global analysis. *Environment International*, **2014**, 64, 71-82	12.9	239
198	A global and high-resolution assessment of the green, blue and grey water footprint of wheat. *Hydrology and Earth System Sciences*, **2010**, 14, 1259-1276	5.5	232
197	Human appropriation of natural capital: A comparison of ecological footprint and water footprint analysis. *Ecological Economics*, **2009**, 68, 1963-1974	5.6	218

196	Water footprint benchmarks for crop production: A first global assessment. *Ecological Indicators*, **2014**, 46, 214-223	5.8	213
195	Global Gray Water Footprint and Water Pollution Levels Related to Anthropogenic Nitrogen Loads to Fresh Water. *Environmental Science & Technology*, **2015**, 49, 12860-8	10.3	203
194	The water footprint of coffee and tea consumption in the Netherlands. *Ecological Economics*, **2007**, 64, 109-118	5.6	194
193	Past and future trends in grey water footprints of anthropogenic nitrogen and phosphorus inputs to major world rivers. *Ecological Indicators*, **2012**, 18, 42-49	5.8	178
192	The water footprint of poultry, pork and beef: A comparative study in different countries and production systems. *Water Resources and Industry*, **2013**, 1-2, 25-36	4.5	167
191	The consumptive water footprint of electricity and heat: a global assessment. *Environmental Science: Water Research and Technology*, **2015**, 1, 285-297	4.2	165
190	Virtual versus real water transfers within China. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2006**, 361, 835-42	5.8	159
189	A critique on the water-scarcity weighted water footprint in LCA. *Ecological Indicators*, **2016**, 66, 564-573	5.8	155
188	The water footprint of the EU for different diets. *Ecological Indicators*, **2013**, 32, 1-8	5.8	153
187	The blue water footprint of electricity from hydropower. *Hydrology and Earth System Sciences*, **2012** , 16, 179-187	5.5	152
186	Assessing water footprint at river basin level: a case study for the Heihe River Basin in northwest China. *Hydrology and Earth System Sciences*, **2012**, 16, 2771-2781	5.5	150
185	Water Footprint and Life Cycle Assessment as approaches to assess potential impacts of products on water consumption. Key learning points from pilot studies on tea and margarine. *Journal of Cleaner Production*, **2012**, 33, 155-166	10.3	147
184	Physical water scarcity metrics for monitoring progress towards SDG target 6.4: An evaluation of indicator 6.4.2 "Level of water stress". *Science of the Total Environment*, **2018**, 613-614, 218-232	10.2	146
183	Strategic importance of green water in international crop trade. *Ecological Economics*, **2010**, 69, 887-894	5.6	146
182	Biofuel scenarios in a water perspective: The global blue and green water footprint of road transport in 2030. *Global Environmental Change*, **2012**, 22, 764-775	10.1	145
181	Global Anthropogenic Phosphorus Loads to Freshwater and Associated Grey Water Footprints and Water Pollution Levels: A High-Resolution Global Study. *Water Resources Research*, **2018**, 54, 345-358	5.4	145
180	Environmental footprint family to address local to planetary sustainability and deliver on the SDGs. *Science of the Total Environment*, **2019**, 693, 133642	10.2	144
179	The economic impact of restricted water supply: a computable general equilibrium analysis. *Water Research*, **2007**, 41, 1799-813	12.5	143

178	Water Footprint Assessment: Evolvement of a New Research Field. *Water Resources Management*, **2017**, 31, 3061-3081	3.7	141
177	WATER. Fresh water goes global. *Science*, **2015**, 349, 478-9	33.3	140
176	Urban water security: A review. *Environmental Research Letters*, **2018**, 13, 053002	6.2	136
175	Complementarities of water-focused life cycle assessment and water footprint assessment. *Environmental Science & Technology*, **2013**, 47, 11926-7	10.3	132
174	Green and blue water footprint reduction in irrigated agriculture: effect of irrigation techniques, irrigation strategies and mulching. *Hydrology and Earth System Sciences*, **2015**, 19, 4877-4891	5.5	130
173	Corporate Water Footprint Accounting and Impact Assessment: The Case of the Water Footprint of a Sugar-Containing Carbonated Beverage. *Water Resources Management*, **2011**, 25, 721-741	3.7	123
172	The potential for snow to supply human water demand in the present and future. *Environmental Research Letters*, **2015**, 10, 114016	6.2	119
171	The effect of inter-annual variability of consumption, production, trade and climate on crop-related green and blue water footprints and inter-regional virtual water trade: A study for China (1978-2008). *Water Research*, **2016**, 94, 73-85	12.5	115
170	Increasing pressure on freshwater resources due to terrestrial feed ingredients for aquaculture production. *Science of the Total Environment*, **2015**, 536, 847-857	10.2	113
169	Limits to the world's green water resources for food, feed, fiber, timber, and bioenergy. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 4893-4898	11.5	109
168	The water footprint of sweeteners and bio-ethanol. *Environment International*, **2012**, 40, 202-211	12.9	109
167	The water footprints of Morocco and the Netherlands: Global water use as a result of domestic consumption of agricultural commodities. *Ecological Economics*, **2007**, 64, 143-151	5.6	109
166	Going against the flow: A critical analysis of inter-state virtual water trade in the context of India National River Linking Program. *Physics and Chemistry of the Earth*, **2009**, 34, 261-269	3	107
165	The external water footprint of the Netherlands: Geographically-explicit quantification and impact assessment. *Ecological Economics*, **2009**, 69, 82-92	5.6	106
164	The water footprint of Indonesian provinces related to the consumption of crop products. *Hydrology and Earth System Sciences*, **2010**, 14, 119-128	5.5	104
163	Reductionist and integrative research approaches to complex water security policy challenges. *Global Environmental Change*, **2016**, 39, 143-154	10.1	102
162	The added value of water footprint assessment for national water policy: a case study for Morocco. *PLoS ONE*, **2014**, 9, e99705	3.7	100
161	The water needed for Italians to eat pasta and pizza. *Agricultural Systems*, **2010**, 103, 351-360	6.1	98

160	Inter- and intra-annual variation of water footprint of crops and blue water scarcity in the Yellow River basin (1961–2009). *Advances in Water Resources*, **2016**, 87, 29-41	4.7	96
159	Potential water saving through changes in European diets. *Environment International*, **2013**, 61, 45-56	12.9	96
158	Evolving water science in the Anthropocene. *Hydrology and Earth System Sciences*, **2014**, 18, 319-332	5.5	96
157	Sensitivity and uncertainty in crop water footprint accounting: a case study for the Yellow River basin. *Hydrology and Earth System Sciences*, **2014**, 18, 2219-2234	5.5	94
156	The hidden water resource use behind meat and dairy. *Animal Frontiers*, **2012**, 2, 3-8	5.5	94
155	Sustainable, efficient, and equitable water use: the three pillars under wise freshwater allocation. *Wiley Interdisciplinary Reviews: Water*, **2014**, 1, 31-40	5.7	91
154	Review and classification of indicators of green water availability and scarcity. *Hydrology and Earth System Sciences*, **2015**, 19, 4581-4608	5.5	87
153	The Global Dimension of Water Governance: Why the River Basin Approach Is No Longer Sufficient and Why Cooperative Action at Global Level Is Needed. *Water (Switzerland)*, **2011**, 3, 21-46	3	83
152	Water scarcity alleviation through water footprint reduction in agriculture: The effect of soil mulching and drip irrigation. *Science of the Total Environment*, **2019**, 653, 241-252	10.2	83
151	The water footprint of second-generation bioenergy: A comparison of biomass feedstocks and conversion techniques. *Journal of Cleaner Production*, **2017**, 148, 571-582	10.3	75
150	The Water Footprint of Modern Consumer Society		75
149	Country-specific dietary shifts to mitigate climate and water crises. *Global Environmental Change*, **2020**, 62, 101926	10.1	75
148	The water footprint of Tunisia from an economic perspective. *Ecological Indicators*, **2015**, 52, 311-319	5.8	74
147	The water footprint of soy milk and soy burger and equivalent animal products. *Ecological Indicators*, **2012**, 18, 392-402	5.8	72
146	Why are decisions in flood disaster management so poorly supported by information from flood models?. *Environmental Modelling and Software*, **2014**, 53, 53-61	5.2	67
145	Consumptive water footprint and virtual water trade scenarios for China - With a focus on crop production, consumption and trade. *Environment International*, **2016**, 94, 211-223	12.9	66
144	The blue water footprint of the world's artificial reservoirs for hydroelectricity, irrigation, residential and industrial water supply, flood protection, fishing and recreation. *Advances in Water Resources*, **2018**, 113, 285-294	4.7	62
143	The water footprint of tourism in Spain. *Tourism Management*, **2014**, 40, 90-101	10.8	62

142	Sustainability of the water footprint of the Spanish pork industry. *Ecological Indicators*, **2015**, 57, 465-474	5.8	61
141	Future electricity: The challenge of reducing both carbon and water footprint. *Science of the Total Environment*, **2016**, 569-570, 1282-1288	10.2	61
140	Attribution of changes in the water balance of a tropical catchment to land use change using the SWAT model. *Hydrological Processes*, **2017**, 31, 2029-2040	3.3	60
139	Mitigating the Water Footprint of Export Cut Flowers from the Lake Naivasha Basin, Kenya. *Water Resources Management*, **2012**, 26, 3725-3742	3.7	60
138	Effect of different uncertainty sources on the skill of 10 day ensemble low flow forecasts for two hydrological models. *Water Resources Research*, **2013**, 49, 4035-4053	5.4	59
137	Sustainability of national consumption from a water resources perspective: The case study for France. *Ecological Economics*, **2013**, 88, 133-147	5.6	58
136	The water footprint of biofuel-based transport. *Energy and Environmental Science*, **2011**, 4, 2658	35.4	58
135	Sustainability, Efficiency and Equitability of Water Consumption and Pollution in Latin America and the Caribbean. *Sustainability*, **2015**, 7, 2086-2112	3.6	56
134	High-Resolution Water Footprints of Production of the United States. *Water Resources Research*, **2018**, 54, 2288-2316	5.4	55
133	Hydrological response to future land-use change and climate change in a tropical catchment. *Hydrological Sciences Journal*, **2018**, 63, 1368-1385	3.5	53
132	Towards Quantification of the Water Footprint of Paper: A First Estimate of its Consumptive Component. *Water Resources Management*, **2012**, 26, 733-749	3.7	53
131	Reply to Pfister and Hellweg: Water footprint accounting, impact assessment, and life-cycle assessment. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, E114	11.5	53
130	The blue and grey water footprint of construction materials: Steel, cement and glass. *Water Resources and Industry*, **2018**, 19, 1-12	4.5	52
129	Imported water risk: the case of the UK. *Environmental Research Letters*, **2016**, 11, 055002	6.2	51
128	Feedback mechanisms between water availability and water use in a semi-arid river basin: A spatially explicit multi-agent simulation approach. *Environmental Modelling and Software*, **2010**, 25, 433-443	5.2	48
127	Today's virtual water consumption and trade under future water scarcity. *Environmental Research Letters*, **2014**, 9, 074007	6.2	46
126	Potential of Using Remote Sensing Techniques for Global Assessment of Water Footprint of Crops. *Remote Sensing*, **2010**, 2, 1177-1196	5	46
125	Land, water and carbon footprints of circular bioenergy production systems. *Renewable and Sustainable Energy Reviews*, **2019**, 111, 224-235	16.2	45

124	The skill of seasonal ensemble low-flow forecasts in the Moselle River for three different hydrological models. *Hydrology and Earth System Sciences*, **2015**, 19, 275-291	5.5	45
123	Assessment of Roughness Length Schemes Implemented within the Noah Land Surface Model for High-Altitude Regions. *Journal of Hydrometeorology*, **2014**, 15, 921-937	3.7	44
122	Panta Rhei 2013–2015: global perspectives on hydrology, society and change. *Hydrological Sciences Journal*, **2016**, 1-18	3.5	44
121	Water, Energy, and Carbon Footprints of Bioethanol from the U.S. and Brazil. *Environmental Science & Technology*, **2018**, 52, 14508-14518	10.3	43
120	The blue water footprint and land use of biofuels from algae. *Water Resources Research*, **2014**, 50, 8549-8563	3.4	42
119	Augmentations to the Noah Model Physics for Application to the Yellow River Source Area. Part I: Soil Water Flow. *Journal of Hydrometeorology*, **2015**, 16, 2659-2676	3.7	41
118	Estimation of human-induced changes in terrestrial water storage through integration of GRACE satellite detection and hydrological modeling: A case study of the Yangtze River basin. *Water Resources Research*, **2015**, 51, 8494-8516	5.4	41
117	Informing National Food and Water Security Policy through Water Footprint Assessment: the Case of Iran. *Water (Switzerland)*, **2017**, 9, 831	3	40
116	Green-blue water accounting in a soil water balance. *Advances in Water Resources*, **2019**, 129, 112-117	4.7	39
115	Trends and spatial variation in water and land footprints of meat and milk production systems in Kenya. *Agriculture, Ecosystems and Environment*, **2015**, 205, 36-47	5.7	39
114	The water footprint of wood for lumber, pulp, paper, fuel and firewood. *Advances in Water Resources*, **2017**, 107, 490-501	4.7	38
113	Virtual water trade patterns in relation to environmental and socioeconomic factors: A case study for Tunisia. *Science of the Total Environment*, **2018**, 613-614, 287-297	10.2	37
112	Water, land and carbon footprints of sheep and chicken meat produced in Tunisia under different farming systems. *Ecological Indicators*, **2017**, 77, 304-313	5.8	35
111	National water, food, and trade modeling framework: The case of Egypt. *Science of the Total Environment*, **2018**, 639, 485-496	10.2	35
110	Water Footprint Assessment (WFA) for better water governance and sustainable development. *Water Resources and Industry*, **2013**, 1-2, 1-6	4.5	35
109	Augmentations to the Noah Model Physics for Application to the Yellow River Source Area. Part II: Turbulent Heat Fluxes and Soil Heat Transport. *Journal of Hydrometeorology*, **2015**, 16, 2677-2694	3.7	34
108	Grey water footprint reduction in irrigated crop production: effect of nitrogen application rate, nitrogen form, tillage practice and irrigation strategy. *Hydrology and Earth System Sciences*, **2018**, 22, 3245-3259	5.5	34
107	Shifting to ecological engineering in flood management: Introducing new uncertainties in the development of a Building with Nature pilot project. *Environmental Science and Policy*, **2012**, 22, 85-99	6.2	34

106	Water Footprint and Virtual Water Trade of Brazil. *Water (Switzerland)*, **2016**, 8, 517	3	34
105	Benchmark levels for the consumptive water footprint of crop production for different environmental conditions: a case study for winter wheat in China. *Hydrology and Earth System Sciences*, **2016**, 20, 4547-4559	5.5	33
104	The blue water footprint of urban green spaces: An example for Adelaide, Australia. *Landscape and Urban Planning*, **2019**, 190, 103613	7.7	32
103	The effect of modelling expert knowledge and uncertainty on multicriteria decision making: a river management case study. *Environmental Science and Policy*, **2010**, 13, 229-238	6.2	32
102	Sustainability of the blue water footprint of crops. *Advances in Water Resources*, **2020**, 143, 103679	4.7	29
101	Water scarcity and fish imperilment driven by beef production. *Nature Sustainability*, **2020**, 3, 319-328	22.1	29
100	Water conservation through trade: the case of Kenya. *Water International*, **2014**, 39, 451-468	2.4	29
99	Analysis of long-term terrestrial water storage variations in the Yangtze River basin. *Hydrology and Earth System Sciences*, **2013**, 17, 1985-2000	5.5	29
98	Mitigating the Risk of Extreme Water Scarcity and Dependency: The Case of Jordan. *Water (Switzerland)*, **2015**, 7, 5705-5730	3	28
97	Assessment of uncertainties in expert knowledge, illustrated in fuzzy rule-based models. *Ecological Modelling*, **2010**, 221, 1245-1251	3	28
96	An Integrated Approach Towards Assessing the Value of Water: A Case Study on the Zambezi Basin. *Integrated Assessment: an International Journal*, **2001**, 2, 199-208		28
95	Urban Water Security Dashboard: Systems Approach to Characterizing the Water Security of Cities. *Journal of Water Resources Planning and Management - ASCE*, **2018**, 144, 04018075	2.8	28
94	Marginal cost curves for water footprint reduction in irrigated agriculture: guiding a cost-effective reduction of crop water consumption to a permit or benchmark level. *Hydrology and Earth System Sciences*, **2017**, 21, 3507-3524	5.5	27
93	Computer-supported games and role plays in teaching water management. *Hydrology and Earth System Sciences*, **2012**, 16, 2985-2994	5.5	27
92	Determining Irrigated Areas and Quantifying Blue Water Use in Europe Using Remote Sensing Meteosat Second Generation (MSG) products and Global Land Data Assimilation System (GLDAS) Data. *Photogrammetric Engineering and Remote Sensing*, **2012**, 78, 861-873	1.6	27
91	Appreciation of water: four perspectives. *Water Policy*, **2000**, 1, 605-622	1.6	27
90	Treenuts and groundnuts in the EAT-Lancet reference diet: Concerns regarding sustainable water use. *Global Food Security*, **2020**, 24, 100357	8.3	26
89	Reply to Ridoutt and Huang: From water footprint assessment to policy. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E1425-E1425	11.5	26

88	Urban consumption of meat and milk and its green and blue water footprints-Patterns in the 1980s and 2000s for Nairobi, Kenya. *Science of the Total Environment*, **2017**, 579, 786-796	10.2	25
87	The grey water footprint of human and veterinary pharmaceuticals. *Water Research X*, **2020**, 7, 100044	8.1	24
86	Capping Human Water Footprints in the World's River Basins. *Earth's Future*, **2020**, 8, e2019EF001363	7.9	24
85	Water resources conservation and nitrogen pollution reduction under global food trade and agricultural intensification. *Science of the Total Environment*, **2018**, 633, 1591-1601	10.2	24
84	The sustainability of a single activity, production process or product. *Ecological Indicators*, **2015**, 57, 82-84	4.8	24
83	Water for maize for pigs for pork: An analysis of inter-provincial trade in China. *Water Research*, **2019**, 166, 115074	12.5	23
82	Trade-off between blue and grey water footprint of crop production at different nitrogen application rates under various field management practices. *Science of the Total Environment*, **2018**, 626, 962-970	10.2	23
81	Analysing the cascades of uncertainty in flood defence projects: How "not knowing enough" is related to "knowing differently" *Global Environmental Change*, **2014**, 24, 373-388	10.1	23
80	Water for animal products: a blind spot in water policy. *Environmental Research Letters*, **2014**, 9, 091003	6.2	23
79	Impacts of climate change on the seasonality of low flows in 134 catchments in the River Rhine basin using an ensemble of bias-corrected regional climate simulations. *Hydrology and Earth System Sciences*, **2013**, 17, 4241-4257	5.5	23
78	The water footprint of water conservation using shade balls in California. *Nature Sustainability*, **2018**, 1, 358-360	22.1	22
77	Application of a Remote Sensing Method for Estimating Monthly Blue Water Evapotranspiration in Irrigated Agriculture. *Remote Sensing*, **2014**, 6, 10033-10050	5	22
76	Reducing food waste and changing cropping patterns to reduce water consumption and pollution in cereal production in Iran. *Journal of Hydrology*, **2020**, 586, 124881	6	22
75	Identification of appropriate lags and temporal resolutions for low flow indicators in the River Rhine to forecast low flows with different lead times. *Hydrological Processes*, **2013**, 27, 2742-2758	3.3	21
74	Attribution of changes in stream flow to land use change and climate change in a mesoscale tropical catchment in Java, Indonesia **2017**, 48, 1143-1155		20
73	Under-canopy turbulence and root water uptake of a Tibetan meadow ecosystem modeled by Noah-MP. *Water Resources Research*, **2015**, 51, 5735-5755	5.4	20
72	The water footprint of industry **2015**, 221-254		19
71	Impacts of Noah model physics on catchment-scale runoff simulations. *Journal of Geophysical Research D: Atmospheres*, **2016**, 121, 807-832	4.4	19

70	Influence of internal variability on population exposure to hydroclimatic changes. *Environmental Research Letters*, **2017**, 12, 044007	6.2	18
69	Blue water footprint linked to national consumption and international trade is unsustainable. *Nature Food*, **2020**, 1, 792-800	14.4	18
68	Water productivity benchmarks: The case of maize and soybean in Nebraska. *Agricultural Water Management*, **2020**, 234, 106122	5.9	17
67	The blue, green and grey water footprint of rice from both a production and consumption perspective **2010**, 219-250		17
66	Water-saving agriculture can deliver deep water cuts for China. *Resources, Conservation and Recycling*, **2020**, 154, 104578	11.9	17
65	Monthly blue water footprint caps in a river basin to achieve sustainable water consumption: The role of reservoirs. *Science of the Total Environment*, **2019**, 650, 891-899	10.2	17
64	Meat and milk production scenarios and the associated land footprint in Kenya. *Agricultural Systems* , **2016**, 145, 64-75	6.1	16
63	Potential water supply of a small reservoir and alluvial aquifer system in southern Zimbabwe. *Physics and Chemistry of the Earth*, **2008**, 33, 633-639	3	16
62	Calculation methods to assess the value of upstream water flows and storage as a function of downstream benefits. *Physics and Chemistry of the Earth*, **2002**, 27, 977-982	3	16
61	Reduce blue water scarcity and increase nutritional and economic water productivity through changing the cropping pattern in a catchment. *Journal of Hydrology*, **2020**, 588, 125086	6	14
60	Water productivity in meat and milk production in the US from 1960 to 2016. *Environment International*, **2019**, 132, 105084	12.9	14
59	Application and recalibration of soil water retention pedotransfer functions in a tropical upstream catchment: case study in Bengawan Solo, Indonesia. *Journal of Hydrology and Hydromechanics*, **2017** , 65, 307-320	2.1	14
58	The Water Footprint of Food Aid. *Sustainability*, **2015**, 7, 6435-6456	3.6	14
57	Delineating the Model-Stakeholder Gap: Framing Perceptions to Analyse the Information Requirement in River Management. *Water Resources Management*, **2009**, 23, 1423-1445	3.7	14
56	The effect of different agricultural management practices on irrigation efficiency, water use efficiency and green and blue water footprint. *Frontiers of Agricultural Science and Engineering*, **2017**, 4, 185	1.7	14
55	European Water Footprint Scenarios for 2050. *Water (Switzerland)*, **2016**, 8, 226	3	14
54	Effects of Roughness Length Parameterizations on Regional-Scale Land Surface Modeling of Alpine Grasslands in the Yangtze River Basin. *Journal of Hydrometeorology*, **2016**, 17, 1069-1085	3.7	13
53	Water sustainability of investors: Development and application of an assessment framework. *Journal of Cleaner Production*, **2018**, 202, 642-648	10.3	13

52	Adapting to climate change: a comparison of two strategies for dike heightening. *Natural Hazards*, **2008**, 47, 217-228	3	13
51	FLOOD MANAGEMENT IN THE LOWER INCOMATI RIVER BASIN, MOZAMBIQUE: TWO ALTERNATIVES1. *Journal of the American Water Resources Association*, **2005**, 41, 607-619	2.1	13
50	Changing global cropping patterns to minimize national blue water scarcity. *Hydrology and Earth System Sciences*, **2020**, 24, 3015-3031	5.5	12
49	A river basin as a common-pool resource: A case study for the Jaguaribe basin in the semi-arid Northeast of Brazil. *International Journal of River Basin Management*, **2009**, 7, 345-353	1.7	12
48	Downstreamness: A Concept to Analyze Basin Closure. *Journal of Water Resources Planning and Management - ASCE*, **2011**, 137, 404-411	2.8	12
47	Strategic design and finance of rainwater harvesting to cost-effectively meet large-scale urban water infrastructure needs. *Water Research*, **2020**, 184, 116063	12.5	12
46	BOARD-INVITED REVIEW: Quantifying water use in ruminant production. *Journal of Animal Science*, **2017**, 95, 2001	0.7	11
45	The Environmental Footprint of Transport by Car Using Renewable Energy. *Earth's Future*, **2020**, 8, e2019EF001428	7.5	11
44	Expected increase in staple crop imports in water-scarce countries in 2050. *Water Research X*, **2018**, 1, 100001	8.1	11
43	Water and Land Footprints and Economic Productivity as Factors in Local Crop Choice: The Case of Silk in Malawi. *Water (Switzerland)*, **2017**, 9, 802	3	10
42	Ranking Water Transparency of Dutch Stock-Listed Companies. *Sustainability*, **2015**, 7, 4341-4359	3.6	10
41	Application of multi-agent simulation to evaluate the influence of reservoir operation strategies on the distribution of water availability in the semi-arid Jaguaribe basin, Brazil. *Physics and Chemistry of the Earth*, **2012**, 47-48, 173-181	3	10
40	The impact of upstream water abstractions on reservoir yield: the case of the Orós Reservoir in Brazil. *Hydrological Sciences Journal*, **2008**, 53, 857-867	3.5	10
39	The Water Footprint: The Relation Between Human Consumption and Water Use **2015**, 35-48		9
38	Application of an interactive water simulation model in urban water management: a case study in Amsterdam. *Water Science and Technology*, **2014**, 70, 1729-39	2.2	9
37	The water value-flow concept. *Physics and Chemistry of the Earth*, **2003**, 28, 175-182	3	9
36	The control versus resilience rationale for managing systems under uncertainty. *Environmental Research Letters*, **2018**, 13, 103002	6.2	9
35	Groundwater saving and quality improvement by reducing water footprints of crops to benchmarks levels. *Advances in Water Resources*, **2018**, 121, 480-491	4.7	9

34	Reply to Jongschaap et al.: The water footprint of Jatropha curcas under poor growing conditions. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, E119	11.5	8
33	Resilience Meets the Water Energy Food Nexus: Mapping the Research Landscape. *Frontiers in Environmental Science*, **2021**, 9,	4.8	8
32	Towards the Improvement of Blue Water Evapotranspiration Estimates by Combining Remote Sensing and Model Simulation. *Remote Sensing*, **2014**, 6, 7026-7049	5	7
31	Water Scarcity in the Zambezi Basin in the Long-Term Future: A Risk Assessment. *Integrated Assessment: an International Journal*, **2003**, 4, 185-204		7
30	Physical versus virtual water transfers to overcome local water shortages: A comparative analysis of impacts. *Advances in Water Resources*, **2021**, 147, 103811	4.7	7
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