Arjen Y Hoekstra

List of Publications by Year
in descending order

223 papers	27,022 citations	9234 74 h-index	6282 158 g-index
243 all docs	243 docs citations	243 times ranked	17875 citing authors

#	Article	IF	Citations
1	Four billion people facing severe water scarcity. Science Advances, 2016, 2, e1500323.	4.7	3,190
2	The water footprint of humanity. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3232-3237.	3.3	1,586
3	The green, blue and grey water footprint of crops and derived crop products. Hydrology and Earth System Sciences, 2011, 15, 1577-1600.	1.9	1,481
4	Water footprints of nations: Water use by people as a function of their consumption pattern. Water Resources Management, 2006, 21, 35-48.	1.9	982
5	A Global Assessment of the Water Footprint of Farm Animal Products. Ecosystems, 2012, 15, 401-415.	1.6	843
6	Humanityâ€™s unsustainable environmental footprint. Science, 2014, 344, 1114-1117.	6.0	749
7	Global Monthly Water Scarcity: Blue Water Footprints versus Blue Water Availability. PLoS ONE, 2012, 7, e32688.	1.1	718
8	The water footprint of bioenergy. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10219-10223.	3.3	626
9	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.	2.9	568
10	Globalisation of water resources: international virtual water flows in relation to crop trade. Global Environmental Change, 2005, 15, 45-56.	3.6	550
11	The blue, green and grey water footprint of rice from production and consumption perspectives. Ecological Economics, 2011, 70, 749-758.	2.9	374
12	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.	2.9	351
13	Water footprint scenarios for 2050: A global analysis. Environment International, 2014, 64, 71-82.	4.8	335
14	Water saving through international trade of agricultural products. Hydrology and Earth System Sciences, 2006, 10, 455-468.	1.9	325
15	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.	0.4	320
16	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.	1.9	295
17	Global Gray Water Footprint and Water Pollution Levels Related to Anthropogenic Nitrogen Loads to Fresh Water. Environmental Science & Technology, 2015, 49, 12860-12868.	4.6	294
18	Human appropriation of natural capital: A comparison of ecological footprint and water footprint analysis. Ecological Economics, 2009, 68, 1963-1974.	2.9	275

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19	Water footprint benchmarks for crop production: A first global assessment. Ecological Indicators, 2014, 46, 214-223.	2.6	271
20	Environmental footprint family to address local to planetary sustainability and deliver on the SDGs. Science of the Total Environment, 2019, 693, 133642.	3.9	245
21	Global Anthropogenic Phosphorus Loads to Freshwater and Associated Grey Water Footprints and Water Pollution Levels: A Highâ€Resolution Global Study. Water Resources Research, 2018, 54, 345-358.	1.7	240
22	The water footprint of coffee and tea consumption in the Netherlands. Ecological Economics, 2007, 64, 109-118.	2.9	231
23	Physical water scarcity metrics for monitoring progress towards SDG target 6.4: An evaluation of indicator 6.4.2 â€œLevel of water stressâ€. Science of the Total Environment, 2018, 613-614, 218-232.	3.9	223
24	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.	1.9	221
25	Urban water security: A review. Environmental Research Letters, 2018, 13, 053002.	2.2	215
26	Past and future trends in grey water footprints of anthropogenic nitrogen and phosphorus inputs to major world rivers. Ecological Indicators, 2012, 18, 42-49.	2.6	210
27	Water scarcity challenges to business. Nature Climate Change, 2014, 4, 318-320.	8.1	204
28	Water Footprint Assessment: Evolvement of a New Research Field. Water Resources Management, 2017, 31, 3061-3081.	1.9	202
29	The consumptive water footprint of electricity and heat: a global assessment. Environmental Science: Water Research and Technology, 2015, 1, 285-297.	1.2	192
30	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.	1.9	191
31	Virtual versus real water transfers within China. Philosophical Transactions of the Royal Society B: Biological Sciences, 2006, 361, 835-842.	1.8	190
32	The blue water footprint of electricity from hydropower. Hydrology and Earth System Sciences, 2012, 16, 179-187.	1.9	187
33	A critique on the water-scarcity weighted water footprint in LCA. Ecological Indicators, 2016, 66, 564-573.	2.6	185
34	Strategic importance of green water in international crop trade. Ecological Economics, 2010, 69, 887-894.	2.9	182
35	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.	1.9	179
36	The water footprint of the EU for different diets. Ecological Indicators, 2013, 32, 1-8.	2.6	179

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37	The potential for snow to supply human water demand in the present and future. Environmental Research Letters, 2015, 10, 114016.	2.2	178
38	Limits to the worldâ€™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.	3.3	177
39	Fresh water goes global. Science, 2015, 349, 478-479.	6.0	175
40	The economic impact of restricted water supply: A computable general equilibrium analysis. Water Research, 2007, 41, 1799-1813.	5.3	170
41	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.	3.6	164
42	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.	4.6	162
43	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 (1978â€“2008). Water Research, 2016, 94, 73-85.	5.3	162
44	Increasing pressure on freshwater resources due to terrestrial feed ingredients for aquaculture production. Science of the Total Environment, 2015, 536, 847-857.	3.9	161
45	Complementarities of Water-Focused Life Cycle Assessment and Water Footprint Assessment. Environmental Science & Technology, 2013, 47, 11926-11927.	4.6	154
46	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.	1.9	150
47	Country-specific dietary shifts to mitigate climate and water crises. Global Environmental Change, 2020, 62, 101926.	3.6	145
48	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.	3.9	139
49	Inter- and intra-annual variation of water footprint of crops and blue water scarcity in the Yellow River basin (1961â€“2009). Advances in Water Resources, 2016, 87, 29-41.	1.7	138
50	Reductionist and integrative research approaches to complex water security policy challenges. Global Environmental Change, 2016, 39, 143-154.	3.6	130
51	The external water footprint of the Netherlands: Geographically-explicit quantification and impact assessment. Ecological Economics, 2009, 69, 82-92.	2.9	129
52	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.	2.9	127
53	Going against the flow: A critical analysis of inter-state virtual water trade in the context of Indiaâ€™s National River Linking Program. Physics and Chemistry of the Earth, 2009, 34, 261-269.	1.2	127
54	The water footprint of Indonesian provinces related to the consumption of crop products. Hydrology and Earth System Sciences, 2010, 14, 119-128.	1.9	126

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55	The water footprint of sweeteners and bio-ethanol. Environment International, 2012, 40, 202-211.	4.8	123
56	The water needed for Italians to eat pasta and pizza. Agricultural Systems, 2010, 103, 351-360.	3.2	122
57	Evolving water science in the Anthropocene. Hydrology and Earth System Sciences, 2014, 18, 319-332.	1.9	121
58	Potential water saving through changes in European diets. Environment International, 2013, 61, 45-56.	4.8	120
59	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.	1.9	120
60	The hidden water resource use behind meat and dairy. Animal Frontiers, 2012, 2, 3-8.	0.8	118
61	The Added Value of Water Footprint Assessment for National Water Policy: A Case Study for Morocco. PLoS ONE, 2014, 9, e99705.	1.1	115
62	Sustainable, efficient, and equitable water use: the three pillars under wise freshwater allocation. Wiley Interdisciplinary Reviews: Water, 2014, 1, 31-40.	2.8	114
63	Review and classification of indicators of green water availability and scarcity. Hydrology and Earth System Sciences, 2015, 19, 4581-4608.	1.9	106
64	The water footprint of soy milk and soy burger and equivalent animal products. Ecological Indicators, 2012, 18, 392-402.	2.6	97
65	The water footprint of second-generation bioenergy: A comparison of biomass feedstocks and conversion techniques. Journal of Cleaner Production, 2017, 148, 571-582.	4.6	96
66	The Water Footprint of Modern Consumer Society. , 0, , .		96
67	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.	1.2	95
68	Hydrological response to future land-use change and climate change in a tropical catchment. Hydrological Sciences Journal, 2018, 63, 1368-1385.	1.2	92
69	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.	1.7	90
70	The water footprint of Tunisia from an economic perspective. Ecological Indicators, 2015, 52, 311-319.	2.6	89
71	Consumptive water footprint and virtual water trade scenarios for China â€" With a focus on crop production, consumption and trade. Environment International, 2016, 94, 211-223.	4.8	86
72	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.	1.1	85

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73	Highâ€Resolution Water Footprints of Production of the United States. Water Resources Research, 2018, 54, 2288-2316.	1.7	84
74	Why are decisions in flood disaster management so poorly supported by information from flood models?. Environmental Modelling and Software, 2014, 53, 53-61.	1.9	83
75	The water footprint of tourism in Spain. Tourism Management, 2014, 40, 90-101.	5.8	83
76	Advancing Water Footprint Assessment Research: Challenges in Monitoring Progress towards Sustainable Development Goal 6. Water (Switzerland), 2017, 9, 438.	1.2	81
77	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.	1.7	77
78	Sustainability, Efficiency and Equitability of Water Consumption and Pollution in Latin America and the Caribbean. Sustainability, 2015, 7, 2086-2112.	1.6	76
79	Future electricity: The challenge of reducing both carbon and water footprint. Science of the Total Environment, 2016, 569-570, 1282-1288.	3.9	75
80	The blue and grey water footprint of construction materials: Steel, cement and glass. Water Resources and Industry, 2018, 19, 1-12.	1.9	74
81	Land, water and carbon footprints of circular bioenergy production systems. Renewable and Sustainable Energy Reviews, 2019, 111, 224-235.	8.2	74
82	Sustainability of the water footprint of the Spanish pork industry. Ecological Indicators, 2015, 57, 465-474.	2.6	73
83	Water scarcity and fish imperilment driven by beef production. Nature Sustainability, 2020, 3, 319-328.	11.5	73
84	Mitigating the Water Footprint of Export Cut Flowers from the Lake Naivasha Basin, Kenya. Water Resources Management, 2012, 26, 3725-3742.	1.9	72
85	Green-blue water accounting in a soil water balance. Advances in Water Resources, 2019, 129, 112-117.	1.7	72
86	The water footprint of biofuel-based transport. Energy and Environmental Science, 2011, 4, 2658.	15.6	70
87	Imported water risk: the case of the UK. Environmental Research Letters, 2016, 11, 055002.	2.2	69
88	Sustainability of the blue water footprint of crops. Advances in Water Resources, 2020, 143, 103679.	1.7	66
89	Potential of Using Remote Sensing Techniques for Global Assessment of Water Footprint of Crops. Remote Sensing, 2010, 2, 1177-1196.	1.8	64
90	Towards Quantification of the Water Footprint of Paper: A First Estimate of its Consumptive Component. Water Resources Management, 2012, 26, 733-749.	1.9	64

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91	Sustainability of national consumption from a water resources perspective: The case study for France. Ecological Economics, 2013, 88, 133-147.	2.9	64
92	Water, Energy, and Carbon Footprints of Bioethanol from the U.S. and Brazil. Environmental Science & Technology, 2018, 52, 14508-14518.	4.6	63
93	Estimation of humanâ€induced changes in terrestrial water storage through integration of <scp>GRACE</scp> satellite detection and hydrological modeling: A case study of the <scp>Y</scp>angtze <scp>R</scp>iver basin. Water Resources Research, 2015, 51, 8494-8516.	1.7	60
94	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.	3.3	59
95	The blue water footprint and land use of biofuels from algae. Water Resources Research, 2014, 50, 8549-8563.	1.7	58
96	The blue water footprint of urban green spaces: An example for Adelaide, Australia. Landscape and Urban Planning, 2019, 190, 103613.	3.4	58
97	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.	3.9	56
98	Assessment of Roughness Length Schemes Implemented within the Noah Land Surface Model for High-Altitude Regions. Journal of Hydrometeorology, 2014, 15, 921-937.	0.7	55
99	Water, land and carbon footprints of sheep and chicken meat produced in Tunisia under different farming systems. Ecological Indicators, 2017, 77, 304-313.	2.6	55
100	Informing National Food and Water Security Policy through Water Footprint Assessment: the Case of Iran. Water (Switzerland), 2017, 9, 831.	1.2	55
101	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.	1.9	54
102	TodayÊ¼s virtual water consumption and trade under future water scarcity. Environmental Research Letters, 2014, 9, 074007.	2.2	54
103	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.	0.7	54
104	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.	1.9	53
105	Panta Rhei 2013â€“2015: global perspectives on hydrology, society and change. Hydrological Sciences Journal, 0, , 1-18.	1.2	53
106	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.	1.9	53
107	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.	2.5	52
108	Blue water footprint linked to national consumption and international trade is unsustainable. Nature Food, 2020, 1, 792-800.	6.2	50

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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.	0.7	49
110	The water footprint of wood for lumber, pulp, paper, fuel and firewood. Advances in Water Resources, 2017, 107, 490-501.	1.7	49
111	National water, food, and trade modeling framework: The case of Egypt. Science of the Total Environment, 2018, 639, 485-496.	3.9	47
112	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.	1.9	46
113	Water Footprint and Virtual Water Trade of Brazil. Water (Switzerland), 2016, 8, 517.	1.2	45
114	Water for maize for pigs for pork: An analysis of inter-provincial trade in China. Water Research, 2019, 166, 115074.	5.3	45
115	Water Footprint Assessment (WFA) for better water governance and sustainable development. Water Resources and Industry, 2013, 1-2, 1-6.	1.9	43
116	Urban Water Security Dashboard: Systems Approach to Characterizing the Water Security of Cities. Journal of Water Resources Planning and Management - ASCE, 2018, 144, .	1.3	43
117	Appreciation of water: four perspectives. Water Policy, 2000, 1, 605-622.	0.7	42
118	Assessment of uncertainties in expert knowledge, illustrated in fuzzy rule-based models. Ecological Modelling, 2010, 221, 1245-1251.	1.2	41
119	Water productivity in meat and milk production in the US from 1960 to 2016. Environment International, 2019, 132, 105084.	4.8	41
120	The grey water footprint of human and veterinary pharmaceuticals. Water Research X, 2020, 7, 100044.	2.8	41
121	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.	2.4	40
122	Water Footprints and Sustainable Water Allocation. Sustainability, 2016, 8, 20.	1.6	40
123	The water footprint of water conservation using shade balls in California. Nature Sustainability, 2018, 1, 358-360.	11.5	40
124	Treenuts and groundnuts in the EAT-Lancet reference diet: Concerns regarding sustainable water use. Global Food Security, 2020, 24, 100357.	4.0	40
125	Capping Human Water Footprints in the World's River Basins. Earth's Future, 2020, 8, e2019EF001363.	2.4	40
126	Mitigating the Risk of Extreme Water Scarcity and Dependency: The Case of Jordan. Water (Switzerland), 2015, 7, 5705-5730.	1.2	38

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127	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.	2.4	37
128	Analysis of long-term terrestrial water storage variations in the Yangtze River basin. Hydrology and Earth System Sciences, 2013, 17, 1985-2000.	1.9	37
129	Water conservation through trade: the case of Kenya. Water International, 2014, 39, 451-468.	0.4	37
130	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.	3.9	37
131	Changing global cropping patterns to minimize national blue water scarcity. Hydrology and Earth System Sciences, 2020, 24, 3015-3031.	1.9	37
132	The water footprint of industry. , 2015, , 221-254.		36
133	Water-saving agriculture can deliver deep water cuts for China. Resources, Conservation and Recycling, 2020, 154, 104578.	5.3	34
134	Reducing food waste and changing cropping patterns to reduce water consumption and pollution in cereal production in Iran. Journal of Hydrology, 2020, 586, 124881.	2.3	34
135	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.	0.8	33
136	Water resources conservation and nitrogen pollution reduction under global food trade and agricultural intensification. Science of the Total Environment, 2018, 633, 1591-1601.	3.9	33
137	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.	1.9	32
138	Urban consumption of meat and milk and its green and blue water footprintsâ€"Patterns in the 1980s and 2000s for Nairobi, Kenya. Science of the Total Environment, 2017, 579, 786-796.	3.9	31
139	The sustainability of a single activity, production process or product. Ecological Indicators, 2015, 57, 82-84.	2.6	30
140	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.	2.3	30
141	Strategic design and finance of rainwater harvesting to cost-effectively meet large-scale urban water infrastructure needs. Water Research, 2020, 184, 116063.	5.3	29
142	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.	0.9	29
143	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, .	3.3	28
144	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.	0.3	28

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145	Computer-supported games and role plays in teaching water management. Hydrology and Earth System Sciences, 2012, 16, 2985-2994.	1.9	28
146	Attribution of changes in stream flow to land use change and climate change in a mesoscale tropical catchment in Java, Indonesia. Hydrology Research, 2017, 48, 1143-1155.	1.1	28
147	Water for animal products: a blind spot in water policy. Environmental Research Letters, 2014, 9, 091003.	2.2	27
148	Application of a Remote Sensing Method for Estimating Monthly Blue Water Evapotranspiration in Irrigated Agriculture. Remote Sensing, 2014, 6, 10033-10050.	1.8	27
149	Progress in Water Footprint Assessment: Towards Collective Action in Water Governance. Water (Switzerland), 2019, 11, 1070.	1.2	27
150	Can crop residues provide fuel for future transport? Limited global residue bioethanol potentials and large associated land, water and carbon footprints. Renewable and Sustainable Energy Reviews, 2021, 149, 111417.	8.2	27
151	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.	1.9	26
152	Analysing the cascades of uncertainty in flood defence projects: How â€œnot knowing enoughâ€•is related to â€œknowing differentlyâ€• Global Environmental Change, 2014, 24, 373-388.	3.6	26
153	Impacts of Noah model physics on catchmentâ€scale runoff simulations. Journal of Geophysical Research D: Atmospheres, 2016, 121, 807-832.	1.2	26
154	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.	3.9	26
155	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.	1.1	25
156	Water sustainability of investors: Development and application of an assessment framework. Journal of Cleaner Production, 2018, 202, 642-648.	4.6	25
157	The blue, green and grey water footprint of rice from both a production and consumption perspective. , 2010, , 219-250.		25
158	Water productivity benchmarks: The case of maize and soybean in Nebraska. Agricultural Water Management, 2020, 234, 106122.	2.4	24
159	Underâ€canopy turbulence and root water uptake of a <scp>T</scp>ibetan meadow ecosystem modeled by <scp>N</scp>oahâ€<scp>MP</scp>. Water Resources Research, 2015, 51, 5735-5755.	1.7	23
160	Meat and milk production scenarios and the associated land footprint in Kenya. Agricultural Systems, 2016, 145, 64-75.	3.2	22
161	Influence of internal variability on population exposure to hydroclimatic changes. Environmental Research Letters, 2017, 12, 044007.	2.2	22
162	Building consensus on water use assessment of livestock production systems and supply chains: Outcome and recommendations from the FAO LEAP Partnership. Ecological Indicators, 2021, 124, 107391.	2.6	22

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163	Potential water supply of a small reservoir and alluvial aquifer system in southern Zimbabwe. Physics and Chemistry of the Earth, 2008, 33, 633-639.	1.2	21
164	Physical versus virtual water transfers to overcome local water shortages: A comparative analysis of impacts. Advances in Water Resources, 2021, 147, 103811.	1.7	21
165	The Water Footprint of Food Aid. Sustainability, 2015, 7, 6435-6456.	1.6	20
166	European Water Footprint Scenarios for 2050. Water (Switzerland), 2016, 8, 226.	1.2	20
167	Global Phosphorus Losses from Croplands under Future Precipitation Scenarios. Environmental Science & Technology, 2020, 54, 14761-14771.	4.6	20
168	Resilience Meets the Waterâ€“Energyâ€“Food Nexus: Mapping the Research Landscape. Frontiers in Environmental Science, 2021, 9, .	1.5	20
169	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.	1.2	18
170	FLOOD MANAGEMENT IN THE LOWER INCOMATI RIVER BASIN, MOZAMBIQUE: TWO ALTERNATIVES. Journal of the American Water Resources Association, 2005, 41, 607-619.	1.0	17
171	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.	0.7	17
172	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.	0.7	17
173	Groundwater saving and quality improvement by reducing water footprints of crops to benchmarks levels. Advances in Water Resources, 2018, 121, 480-491.	1.7	17
174	The impact of upstream water abstractions on reservoir yield: the case of the OrÃ³s Reservoir in Brazil. Hydrological Sciences Journal, 2008, 53, 857-867.	1.2	16
175	Delineating the Model-Stakeholder Gap: Framing Perceptions to Analyse the Information Requirement in River Management. Water Resources Management, 2009, 23, 1423-1445.	1.9	16
176	A river basin as a commonâ€pool resource: A case study for the Jaguaribe basin in the semiâ€arid Northeast of Brazil. International Journal of River Basin Management, 2009, 7, 345-353.	1.5	16
177	Downstreamness: A Concept to Analyze Basin Closure. Journal of Water Resources Planning and Management - ASCE, 2011, 137, 404-411.	1.3	16
178	The Water Footprint: The Relation Between Human Consumption and Water Use. Springer Water, 2015, , 35-48.	0.2	16
179	Linking the Environmental Pressures of Chinaâ€™s Capital Development to Global Final Consumption of the Past Decades and into the Future. Environmental Science & Technology, 2021, 55, 6421-6429.	4.6	16
180	Adapting to climate change: a comparison of two strategies for dike heightening. Natural Hazards, 2008, 47, 217-228.	1.6	15

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181	Water and Land Footprints and Economic Productivity as Factors in Local Crop Choice: The Case of Silk in Malawi. Water (Switzerland), 2017, 9, 802.	1.2	15
182	Expected increase in staple crop imports in water-scarce countries inÂ2050. Water Research X, 2018, 1, 100001.	2.8	14
183	The Environmental Footprint of Transport by Car Using Renewable Energy. Earth's Future, 2020, 8, e2019EF001428.	2.4	14
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