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	Livestock water and land productivity in Kenya and their implications for future resource use. Heliyon, 2022, 8, e09006.	1.4	3
2	Volume versus value of crop-related water footprints and virtual water flows: A case study for the Yellow River Basin. Journal of Hydrology, 2022, 608, 127674.	2.3	9
3	EUâ€™s bioethanol potential from wheat straw and maize stover and the environmental footprint of residue-based bioethanol. Mitigation and Adaptation Strategies for Global Change, 2022, 27, 1.	1.0	3
4	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
5	Resilience Meets the Waterâ€"Energyâ€"Food Nexus: Mapping the Research Landscape. Frontiers in Environmental Science, 2021, 9, .	1.5	20
6	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
7	Water Footprint, Blue Water Scarcity, and Economic Water Productivity of Irrigated Crops in Peshawar Basin, Pakistan. Water (Switzerland), 2021, 13, 1249.	1.2	12
8	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
9	Local water management in a global context. Advances in Water Resources, 2021, 155, 104022.	1.7	0
10	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
11	An integrated modelling approach to derive the grey water footprint of veterinary antibiotics. Environmental Pollution, 2021, 288, 117746.	3.7	10
12	Country-specific dietary shifts to mitigate climate and water crises. Global Environmental Change, 2020, 62, 101926.	3.6	145
13	Water-saving agriculture can deliver deep water cuts for China. Resources, Conservation and Recycling, 2020, 154, 104578.	5.3	34
14	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
15	Blue water footprint linked to national consumption and international trade is unsustainable. Nature Food, 2020, 1, 792-800.	6.2	50
16	Global Phosphorus Losses from Croplands under Future Precipitation Scenarios. Environmental Science & Technology, 2020, 54, 14761-14771.	4.6	20
17	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
18	Changing global cropping patterns to minimize national blue water scarcity. Hydrology and Earth System Sciences, 2020, 24, 3015-3031.	1.9	37

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19	China's Food Supply Sources Under Trade Conflict With the United States and Limited Domestic Land and Water Resources. Earth's Future, 2020, 8, e2020EF001482.	2.4	13
20	Water productivity benchmarks: The case of maize and soybean in Nebraska. Agricultural Water Management, 2020, 234, 106122.	2.4	24
21	Sustainability of the blue water footprint of crops. Advances in Water Resources, 2020, 143, 103679.	1.7	66
22	The grey water footprint of human and veterinary pharmaceuticals. Water Research X, 2020, 7, 100044.	2.8	41
23	Water scarcity and fish imperilment driven by beef production. Nature Sustainability, 2020, 3, 319-328.	11.5	73
24	Treenuts and groundnuts in the EAT-Lancet reference diet: Concerns regarding sustainable water use. Global Food Security, 2020, 24, 100357.	4.0	40
25	Capping Human Water Footprints in the World's River Basins. Earth's Future, 2020, 8, e2019EF001363.	2.4	40
26	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
27	The Environmental Footprint of Transport by Car Using Renewable Energy. Earth's Future, 2020, 8, e2019EF001428.	2.4	14
28	Anthropogenic Nitrogen Loads to Freshwater: A High-Resolution Global Study. , 2020, , 303-317.		3
29	Water productivity in meat and milk production in the US from 1960 to 2016. Environment International, 2019, 132, 105084.	4.8	41
30	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
31	The blue water footprint of urban green spaces: An example for Adelaide, Australia. Landscape and Urban Planning, 2019, 190, 103613.	3.4	58
32	Water for maize for pigs for pork: An analysis of inter-provincial trade in China. Water Research, 2019, 166, 115074.	5.3	45
33	Sensitivity of Streamflow Characteristics to Different Spatial Land-Use Configurations in Tropical Catchment. Journal of Water Resources Planning and Management - ASCE, 2019, 145, .	1.3	8
34	Progress in Water Footprint Assessment: Towards Collective Action in Water Governance. Water (Switzerland), 2019, 11, 1070.	1.2	27
35	Land, water and carbon footprints of circular bioenergy production systems. Renewable and Sustainable Energy Reviews, 2019, 111, 224-235.	8.2	74
36	Green-blue water accounting in a soil water balance. Advances in Water Resources, 2019, 129, 112-117.	1.7	72

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37	Reply to van Noordwijk and Ellison: Moisture recycling: Key to assess hydrological impacts of land cover changes, but not to quantify water allocation to competing demands. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8104-8104.	3.3	2
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	How do Interactive Flood Simulation Models Influence Decision-Making? An Observations-Based Evaluation Method. Water (Switzerland), 2019, 11, 2427.	1.2	1
40	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
41	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
42	The supply-chain water footprint of paper. , 2019, , 128-141.		0
43	Product transparency. , 2019, , 219-230.		0
44	The overseas water footprint of cut flowers. , 2019, , 115-127.		0
45	Getting trade right. , 2019, , 202-218.		0
46	Drinking ten bathtubs of water a day. , 2019, , 40-53.		0
47	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
48	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
49	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
50	Highâ€Resolution Water Footprints of Production of the United States. Water Resources Research, 2018, 54, 2288-2316.	1.7	84
51	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
52	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
53	The blue and grey water footprint of construction materials: Steel, cement and glass. Water Resources and Industry, 2018, 19, 1-12.	1.9	74
54	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

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55	Water, Energy, and Carbon Footprints of Bioethanol from the U.S. and Brazil. Environmental Science & Technology, 2018, 52, 14508-14518.	4.6	63
56	The control versus resilience rationale for managing systems under uncertainty. Environmental Research Letters, 2018, 13, 103002.	2.2	11
57	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
58	Expected increase in staple crop imports in water-scarce countries inÂ2050. Water Research X, 2018, 1, 100001.	2.8	14
59	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
60	The water footprint of water conservation using shade balls in California. Nature Sustainability, 2018, 1, 358-360.	11.5	40
61	Hydrological response to future land-use change and climate change in a tropical catchment. Hydrological Sciences Journal, 2018, 63, 1368-1385.	1.2	92
62	Water sustainability of investors: Development and application of an assessment framework. Journal of Cleaner Production, 2018, 202, 642-648.	4.6	25
63	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
64	National water, food, and trade modeling framework: The case of Egypt. Science of the Total Environment, 2018, 639, 485-496.	3.9	47
65	Urban water security: A review. Environmental Research Letters, 2018, 13, 053002.	2.2	215
66	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
67	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
68	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
69	Water Footprint Assessment: Evolvement of a New Research Field. Water Resources Management, 2017, 31, 3061-3081.	1.9	202
70	Influence of internal variability on population exposure to hydroclimatic changes. Environmental Research Letters, 2017, 12, 044007.	2.2	22
71	The water footprint of wood for lumber, pulp, paper, fuel and firewood. Advances in Water Resources, 2017, 107, 490-501.	1.7	49
72	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

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73	Water Footprint Assessment in Supply Chains. Springer Series in Supply Chain Management, 2017, , 65-85.	0.5	6
74	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
75	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
76	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
77	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
78	Advancing Water Footprint Assessment Research: Challenges in Monitoring Progress towards Sustainable Development Goal 6. Water (Switzerland), 2017, 9, 438.	1.2	81
79	Informing National Food and Water Security Policy through Water Footprint Assessment: the Case of Iran. Water (Switzerland), 2017, 9, 831.	1.2	55
80	Global food and trade dimensions of groundwater governance. , 2017, , 353-366.		3
81	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
82	BOARD-INVITED REVIEW: Quantifying water use in ruminant production. Journal of Animal Science, 2017, 95, 2001.	0.2	14
83	The Water Footprint of Animal Products. , 2017, , 21-30.		3
84	European Water Footprint Scenarios for 2050. Water (Switzerland), 2016, 8, 226.	1.2	20
85	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
86	Water Footprint and Virtual Water Trade of Brazil. Water (Switzerland), 2016, 8, 517.	1.2	45
87	Water Footprints and Sustainable Water Allocation. Sustainability, 2016, 8, 20.	1.6	40
88	Future electricity: The challenge of reducing both carbon and water footprint. Science of the Total Environment, 2016, 569-570, 1282-1288.	3.9	75
89	Imported water risk: the case of the UK. Environmental Research Letters, 2016, 11, 055002.	2.2	69
90	Impacts of Noah model physics on catchmentâ€scale runoff simulations. Journal of Geophysical Research D: Atmospheres, 2016, 121, 807-832.	1.2	26

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91	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
92	We're sucking our water world dry. New Scientist, 2016, 230, 42-43.	0.0	0
93	Reductionist and integrative research approaches to complex water security policy challenges. Global Environmental Change, 2016, 39, 143-154.	3.6	130
94	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
95	Meat and milk production scenarios and the associated land footprint in Kenya. Agricultural Systems, 2016, 145, 64-75.	3.2	22
96	Four billion people facing severe water scarcity. Science Advances, 2016, 2, e1500323.	4.7	3,190
97	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
98	A critique on the water-scarcity weighted water footprint in LCA. Ecological Indicators, 2016, 66, 564-573.	2.6	185
99	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
100	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
101	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
102	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
103	The potential for snow to supply human water demand in the present and future. Environmental Research Letters, 2015, 10, 114016.	2.2	178
104	Review and classification of indicators of green water availability and scarcity. Hydrology and Earth System Sciences, 2015, 19, 4581-4608.	1.9	106
105	Mitigating the Risk of Extreme Water Scarcity and Dependency: The Case of Jordan. Water (Switzerland), 2015, 7, 5705-5730.	1.2	38
106	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
107	Sustainability, Efficiency and Equitability of Water Consumption and Pollution in Latin America and the Caribbean. Sustainability, 2015, 7, 2086-2112.	1.6	76
108	The Water Footprint of Food Aid. Sustainability, 2015, 7, 6435-6456.	1.6	20

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109	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
110	Ranking Water Transparency of Dutch Stock-Listed Companies. Sustainability, 2015, 7, 4341-4359.	1.6	13
111	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
112	The sustainability of a single activity, production process or product. Ecological Indicators, 2015, 57, 82-84.	2.6	30
113	The consumptive water footprint of electricity and heat: a global assessment. Environmental Science: Water Research and Technology, 2015, 1, 285-297.	1.2	192
114	The water footprint of Tunisia from an economic perspective. Ecological Indicators, 2015, 52, 311-319.	2.6	89
115	The water footprint of industry. , 2015, , 221-254.		36
116	Fresh water goes global. Science, 2015, 349, 478-479.	6.0	175
117	Sustainability of the water footprint of the Spanish pork industry. Ecological Indicators, 2015, 57, 465-474.	2.6	73
118	The Water Footprint: The Relation Between Human Consumption and Water Use. Springer Water, 2015, , 35-48.	0.2	16
119	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
120	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
121	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
122	The Added Value of Water Footprint Assessment for National Water Policy: A Case Study for Morocco. PLoS ONE, 2014, 9, e99705.	1.1	115
123	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
124	Towards the Improvement of Blue Water Evapotranspiration Estimates by Combining Remote Sensing and Model Simulation. Remote Sensing, 2014, 6, 7026-7049.	1.8	9
125	Evolving water science in the Anthropocene. Hydrology and Earth System Sciences, 2014, 18, 319-332.	1.9	121
126	Water scarcity challenges to business. Nature Climate Change, 2014, 4, 318-320.	8.1	204

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127	Water conservation through trade: the case of Kenya. Water International, 2014, 39, 451-468.	0.4	37
128	Water for animal products: a blind spot in water policy. Environmental Research Letters, 2014, 9, 091003.	2.2	27
129	Water footprint benchmarks for crop production: A first global assessment. Ecological Indicators, 2014, 46, 214-223.	2.6	271
130	Uncovering the origin of ambiguity in nature-inclusive flood infrastructure projects. Ecology and Society, 2014, 19, .	1.0	9
131	Application of an Interactive Water Simulation Model in urban water management: a case study in Amsterdam. Water Science and Technology, 2014, 70, 1729-1739.	1.2	11
132	TodayÊ¼s virtual water consumption and trade under future water scarcity. Environmental Research Letters, 2014, 9, 074007.	2.2	54
133	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
134	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
135	The water footprint of tourism in Spain. Tourism Management, 2014, 40, 90-101.	5.8	83
136	Water footprint scenarios for 2050: A global analysis. Environment International, 2014, 64, 71-82.	4.8	335
137	Sustainable, efficient, and equitable water use: the three pillars under wise freshwater allocation. Wiley Interdisciplinary Reviews: Water, 2014, 1, 31-40.	2.8	114
138	Humanityâ€™s unsustainable environmental footprint. Science, 2014, 344, 1114-1117.	6.0	749
139	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
140	Application of a Remote Sensing Method for Estimating Monthly Blue Water Evapotranspiration in Irrigated Agriculture. Remote Sensing, 2014, 6, 10033-10050.	1.8	27
141	The blue water footprint and land use of biofuels from algae. Water Resources Research, 2014, 50, 8549-8563.	1.7	58
142	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
143	Sustainability of national consumption from a water resources perspective: The case study for France. Ecological Economics, 2013, 88, 133-147.	2.9	64
144	Water Footprint Assessment (WFA) for better water governance and sustainable development. Water Resources and Industry, 2013, 1-2, 1-6.	1.9	43

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145	Complementarities of Water-Focused Life Cycle Assessment and Water Footprint Assessment. Environmental Science & Technology, 2013, 47, 11926-11927.	4.6	154
146	Potential water saving through changes in European diets. Environment International, 2013, 61, 45-56.	4.8	120
147	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
148	The water footprint of the EU for different diets. Ecological Indicators, 2013, 32, 1-8.	2.6	179
149	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
150	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
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	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
153	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
154	The hidden water resource use behind meat and dairy. Animal Frontiers, 2012, 2, 3-8.	0.8	118
155	Mitigating the Water Footprint of Export Cut Flowers from the Lake Naivasha Basin, Kenya. Water Resources Management, 2012, 26, 3725-3742.	1.9	72
156	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
157	A Global Assessment of the Water Footprint of Farm Animal Products. Ecosystems, 2012, 15, 401-415.	1.6	843
158	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
159	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
160	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
161	The water footprint of soy milk and soy burger and equivalent animal products. Ecological Indicators, 2012, 18, 392-402.	2.6	97
162	The water footprint of sweeteners and bio-ethanol. Environment International, 2012, 40, 202-211.	4.8	123

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163	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
164	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.	1.2	12
165	Computer-supported games and role plays in teaching water management. Hydrology and Earth System Sciences, 2012, 16, 2985-2994.	1.9	28
166	The blue water footprint of electricity from hydropower. Hydrology and Earth System Sciences, 2012, 16, 179-187.	1.9	187
167	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
168	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
169	Global Monthly Water Scarcity: Blue Water Footprints versus Blue Water Availability. PLoS ONE, 2012, 7, e32688.	1.1	718
170	Water Footprint Accounting. , 2012, , .		4
171	The water footprint of biofuel-based transport. Energy and Environmental Science, 2011, 4, 2658.	15.6	70
172	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
173	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
174	The blue, green and grey water footprint of rice from production and consumption perspectives. Ecological Economics, 2011, 70, 749-758.	2.9	374
175	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
176	Downstreamness: A Concept to Analyze Basin Closure. Journal of Water Resources Planning and Management - ASCE, 2011, 137, 404-411.	1.3	16
177	Strategic importance of green water in international crop trade. Ecological Economics, 2010, 69, 887-894.	2.9	182
178	Assessment of uncertainties in expert knowledge, illustrated in fuzzy rule-based models. Ecological Modelling, 2010, 221, 1245-1251.	1.2	41
179	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
180	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

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181	Potential of Using Remote Sensing Techniques for Global Assessment of Water Footprint of Crops. Remote Sensing, 2010, 2, 1177-1196.	1.8	64
182	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
183	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
184	The water needed for Italians to eat pasta and pizza. Agricultural Systems, 2010, 103, 351-360.	3.2	122
185	The blue, green and grey water footprint of rice from both a production and consumption perspective. , 2010, , 219-250.		25
186	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
187	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-E119.	3.3	10
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