# Arjen Y Hoekstra

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 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 | Livestock water and land productivity in Kenya and their implications for future resource use.. *Heliyon*, **2022**, 8, e09006 | 3.6 | 0 |
| 212 | 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 | 6 | 0 |
| 211 | EU 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 | 3.9 | 0 |
| 210 | Linking the Environmental Pressures of China's Capital Development to Global Final Consumption of the Past Decades and into the Future. *Environmental Science & Technology*, **2021**, 55, 6421-6429 | 10.3 | 6 |
| 209 | Water Footprint, Blue Water Scarcity, and Economic Water Productivity of Irrigated Crops in Peshawar Basin, Pakistan. *Water (Switzerland)*, **2021**, 13, 1249 | 3 | 3 |
| 208 | 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 | 5.8 | 6 |
| 207 | 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 |
| 206 | Resilience Meets the Water Energy Food Nexus: Mapping the Research Landscape. *Frontiers in Environmental Science*, **2021**, 9, | 4.8 | 8 |
| 205 | Local water management in a global context. *Advances in Water Resources*, **2021**, 155, 104022 | 4.7 | |
| 204 | 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 | 16.2 | 7 |
| 203 | An integrated modelling approach to derive the grey water footprint of veterinary antibiotics. *Environmental Pollution*, **2021**, 288, 117746 | 9.3 | 0 |
| 202 | Blue water footprint linked to national consumption and international trade is unsustainable. *Nature Food*, **2020**, 1, 792-800 | 14.4 | 18 |
| 201 | Global Phosphorus Losses from Croplands under Future Precipitation Scenarios. *Environmental Science & Technology*, **2020**, 54, 14761-14771 | 10.3 | 5 |
| 200 | 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 |
| 199 | Changing global cropping patterns to minimize national blue water scarcity. *Hydrology and Earth System Sciences*, **2020**, 24, 3015-3031 | 5.5 | 12 |
| 198 | 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 | 7.9 | 6 |
| 197 | Water productivity benchmarks: The case of maize and soybean in Nebraska. *Agricultural Water Management*, **2020**, 234, 106122 | 5.9 | 17 |

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| 196 | Sustainability of the blue water footprint of crops. *Advances in Water Resources*, **2020**, 143, 103679 | 4.7 | 29 |
| 195 | The grey water footprint of human and veterinary pharmaceuticals. *Water Research X*, **2020**, 7, 100044 | 8.1 | 24 |
| 194 | Water scarcity and fish imperilment driven by beef production. *Nature Sustainability*, **2020**, 3, 319-328 | 22.1 | 29 |
| 193 | Treenuts and groundnuts in the EAT-Lancet reference diet: Concerns regarding sustainable water use. *Global Food Security*, **2020**, 24, 100357 | 8.3 | 26 |
| 192 | Capping Human Water Footprints in the World's River Basins. *Earth's Future*, **2020**, 8, e2019EF001363 | 7.9 | 24 |
| 191 | Anthropogenic Nitrogen Loads to Freshwater: A High-Resolution Global Study **2020**, 303-317 | | 2 |
| 190 | The Environmental Footprint of Transport by Car Using Renewable Energy. *Earth's Future*, **2020**, 8, e2019EF001428 | 7.9 | 14 |
| 189 | Water-saving agriculture can deliver deep water cuts for China. *Resources, Conservation and Recycling*, **2020**, 154, 104578 | 11.9 | 17 |
| 188 | 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 |
| 187 | Country-specific dietary shifts to mitigate climate and water crises. *Global Environmental Change*, **2020**, 62, 101926 | 10.1 | 75 |
| 186 | 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 |
| 185 | Water for maize for pigs for pork: An analysis of inter-provincial trade in China. *Water Research*, **2019**, 166, 115074 | 12.5 | 23 |
| 184 | Sensitivity of Streamflow Characteristics to Different Spatial Land-Use Configurations in Tropical Catchment. *Journal of Water Resources Planning and Management - ASCE*, **2019**, 145, 04019054 | 2.8 | 6 |
| 183 | Land, water and carbon footprints of circular bioenergy production systems. *Renewable and Sustainable Energy Reviews*, **2019**, 111, 224-235 | 16.2 | 45 |
| 182 | Green-blue water accounting in a soil water balance. *Advances in Water Resources*, **2019**, 129, 112-117 | 4.7 | 39 |
| 181 | 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 | 11.5 | 2 |
| 180 | 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 |
| 179 | Water productivity in meat and milk production in the US from 1960 to 2016. *Environment International*, **2019**, 132, 105084 | 12.9 | 14 |

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| 178 | 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 |
| 177 | The blue water footprint of urban green spaces: An example for Adelaide, Australia. *Landscape and Urban Planning*, **2019**, 190, 103613 | 7.7 | 32 |
| 176 | How do Interactive Flood Simulation Models Influence Decision-Making? An Observations-Based Evaluation Method. *Water (Switzerland)*, **2019**, 11, 2427 | 3 | |
| 175 | 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 |
| 174 | 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 |
| 173 | Global Food Trade and Local Water Resources **2019**, 96-116 | | |
| 172 | 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 |
| 171 | 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 |
| 170 | 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 |
| 169 | High-Resolution Water Footprints of Production of the United States. *Water Resources Research*, **2018**, 54, 2288-2316 | 5.4 | 55 |
| 168 | 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 |
| 167 | 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 |
| 166 | The water footprint of water conservation using shade balls in California. *Nature Sustainability*, **2018**, 1, 358-360 | 22.1 | 22 |
| 165 | Hydrological response to future land-use change and climate change in a tropical catchment. *Hydrological Sciences Journal*, **2018**, 63, 1368-1385 | 3.5 | 53 |
| 164 | Water sustainability of investors: Development and application of an assessment framework. *Journal of Cleaner Production*, **2018**, 202, 642-648 | 10.3 | 13 |
| 163 | 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 |
| 162 | National water, food, and trade modeling framework: The case of Egypt. *Science of the Total Environment*, **2018**, 639, 485-496 | 10.2 | 35 |
| 161 | Urban water security: A review. *Environmental Research Letters*, **2018**, 13, 053002 | 6.2 | 136 |

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| 160 | The blue and grey water footprint of construction materials: Steel, cement and glass. *Water Resources and Industry*, **2018**, 19, 1-12 | 4.5 | 52 |
| 159 | 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 |
| 158 | Water, Energy, and Carbon Footprints of Bioethanol from the U.S. and Brazil. *Environmental Science & Technology*, **2018**, 52, 14508-14518 | 10.3 | 43 |
| 157 | The control versus resilience rationale for managing systems under uncertainty. *Environmental Research Letters*, **2018**, 13, 103002 | 6.2 | 9 |
| 156 | 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 |
| 155 | Expected increase in staple crop imports in water-scarce countries in 2050. *Water Research X*, **2018**, 1, 100001 | 8.1 | 11 |
| 154 | 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 |
| 153 | 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 |
| 152 | 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 |
| 151 | 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 |
| 150 | Water Footprint Assessment: Evolvement of a New Research Field. *Water Resources Management*, **2017**, 31, 3061-3081 | 3.7 | 141 |
| 149 | Influence of internal variability on population exposure to hydroclimatic changes. *Environmental Research Letters*, **2017**, 12, 044007 | 6.2 | 18 |
| 148 | The water footprint of wood for lumber, pulp, paper, fuel and firewood. *Advances in Water Resources*, **2017**, 107, 490-501 | 4.7 | 38 |
| 147 | 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 |
| 146 | Water Footprint Assessment in Supply Chains. *Springer Series in Supply Chain Management*, **2017**, 65-85 | 0.9 | 5 |
| 145 | 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 |
| 144 | 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 |
| 143 | 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 |

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| 142 | 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 |
| 141 | Informing National Food and Water Security Policy through Water Footprint Assessment: the Case of Iran. *Water (Switzerland)*, **2017**, 9, 831 | 3 | 40 |
| 140 | Global food and trade dimensions of groundwater governance **2017**, 353-366 | | 3 |
| 139 | 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 |
| 138 | BOARD-INVITED REVIEW: Quantifying water use in ruminant production. *Journal of Animal Science*, **2017**, 95, 2001 | 0.7 | 11 |
| 137 | The Water Footprint of Animal Products **2017**, 21-30 | | 1 |
| 136 | Water, Scarcity of **2016**, 1-5 | | 1 |
| 135 | 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 |
| 134 | Reductionist and integrative research approaches to complex water security policy challenges. *Global Environmental Change*, **2016**, 39, 143-154 | 10.1 | 102 |
| 133 | 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 |
| 132 | Meat and milk production scenarios and the associated land footprint in Kenya. *Agricultural Systems* , **2016**, 145, 64-75 | 6.1 | 16 |
| 131 | Four billion people facing severe water scarcity. *Science Advances*, **2016**, 2, e1500323 | 14.3 | 1901 |
| 130 | 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 |
| 129 | A critique on the water-scarcity weighted water footprint in LCA. *Ecological Indicators*, **2016**, 66, 564-573 | 5.8 | 155 |
| 128 | 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 |
| 127 | European Water Footprint Scenarios for 2050. *Water (Switzerland)*, **2016**, 8, 226 | 3 | 14 |
| 126 | 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 |
| 125 | Water Footprint and Virtual Water Trade of Brazil. *Water (Switzerland)*, **2016**, 8, 517 | 3 | 34 |

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| 124 | Future electricity: The challenge of reducing both carbon and water footprint. *Science of the Total Environment*, **2016**, 569-570, 1282-1288 | 10.2 | 61 |
| 123 | Imported water risk: the case of the UK. *Environmental Research Letters*, **2016**, 11, 055002 | 6.2 | 51 |
| 122 | Impacts of Noah model physics on catchment-scale runoff simulations. *Journal of Geophysical Research D: Atmospheres*, **2016**, 121, 807-832 | 4.4 | 19 |
| 121 | Panta Rhei 2013–2015: global perspectives on hydrology, society and change. *Hydrological Sciences Journal*, **2016**, 1-18 | 3.5 | 44 |
| 120 | The water footprint of industry **2015**, 221-254 | | 19 |
| 119 | WATER. Fresh water goes global. *Science*, **2015**, 349, 478-9 | 33.3 | 140 |
| 118 | Sustainability of the water footprint of the Spanish pork industry. *Ecological Indicators*, **2015**, 57, 465-474 | 3.8 | 61 |
| 117 | The Water Footprint: The Relation Between Human Consumption and Water Use **2015**, 35-48 | | 9 |
| 116 | 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 |
| 115 | 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 |
| 114 | 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 |
| 113 | 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 |
| 112 | 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 |
| 111 | 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 |
| 110 | The potential for snow to supply human water demand in the present and future. *Environmental Research Letters*, **2015**, 10, 114016 | 6.2 | 119 |
| 109 | Review and classification of indicators of green water availability and scarcity. *Hydrology and Earth System Sciences*, **2015**, 19, 4581-4608 | 5.5 | 87 |
| 108 | Mitigating the Risk of Extreme Water Scarcity and Dependency: The Case of Jordan. *Water (Switzerland)*, **2015**, 7, 5705-5730 | 3 | 28 |
| 107 | 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 |

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| 106 | Sustainability, Efficiency and Equitability of Water Consumption and Pollution in Latin America and the Caribbean. *Sustainability*, **2015**, 7, 2086-2112 | 3.6 | 56 |
| 105 | The Water Footprint of Food Aid. *Sustainability*, **2015**, 7, 6435-6456 | 3.6 | 14 |
| 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 | 5.5 | 45 |
| 103 | Ranking Water Transparency of Dutch Stock-Listed Companies. *Sustainability*, **2015**, 7, 4341-4359 | 3.6 | 10 |
| 102 | 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 |
| 101 | The sustainability of a single activity, production process or product. *Ecological Indicators*, **2015**, 57, 82-84 | 3.8 | 24 |
| 100 | The consumptive water footprint of electricity and heat: a global assessment. *Environmental Science: Water Research and Technology*, **2015**, 1, 285-297 | 4.2 | 165 |
| 99 | The water footprint of Tunisia from an economic perspective. *Ecological Indicators*, **2015**, 52, 311-319 | 5.8 | 74 |
| 98 | Water footprint scenarios for 2050: a global analysis. *Environment International*, **2014**, 64, 71-82 | 12.9 | 239 |
| 97 | Sustainable, efficient, and equitable water use: the three pillars under wise freshwater allocation. *Wiley Interdisciplinary Reviews: Water*, **2014**, 1, 31-40 | 5.7 | 91 |
| 96 | Humanity's unsustainable environmental footprint. *Science*, **2014**, 344, 1114-7 | 33.3 | 578 |
| 95 | 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 |
| 94 | Application of a Remote Sensing Method for Estimating Monthly Blue Water Evapotranspiration in Irrigated Agriculture. *Remote Sensing*, **2014**, 6, 10033-10050 | 5 | 22 |
| 93 | The blue water footprint and land use of biofuels from algae. *Water Resources Research*, **2014**, 50, 8549-8563 | 3.4 | 42 |
| 92 | The added value of water footprint assessment for national water policy: a case study for Morocco. *PLoS ONE*, **2014**, 9, e99705 | 3.7 | 100 |
| 91 | 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 |
| 90 | Towards the Improvement of Blue Water Evapotranspiration Estimates by Combining Remote Sensing and Model Simulation. *Remote Sensing*, **2014**, 6, 7026-7049 | 5 | 7 |
| 89 | Evolving water science in the Anthropocene. *Hydrology and Earth System Sciences*, **2014**, 18, 319-332 | 5.5 | 96 |

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| 88 | Water conservation through trade: the case of Kenya. *Water International*, **2014**, 39, 451-468 | 2.4 | 29 |
| 87 | Water for animal products: a blind spot in water policy. *Environmental Research Letters*, **2014**, 9, 091003 | 6.2 | 23 |
| 86 | Water footprint benchmarks for crop production: A first global assessment. *Ecological Indicators*, **2014**, 46, 214-223 | 5.8 | 213 |
| 85 | Uncovering the origin of ambiguity in nature-inclusive flood infrastructure projects. *Ecology and Society*, **2014**, 19, | 4.1 | 3 |
| 84 | 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 |
| 83 | Today virtual water consumption and trade under future water scarcity. *Environmental Research Letters*, **2014**, 9, 074007 | 6.2 | 46 |
| 82 | 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 |
| 81 | 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 |
| 80 | The water footprint of tourism in Spain. *Tourism Management*, **2014**, 40, 90-101 | 10.8 | 62 |
| 79 | 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 |
| 78 | Sustainability of national consumption from a water resources perspective: The case study for France. *Ecological Economics*, **2013**, 88, 133-147 | 5.6 | 58 |
| 77 | Water Footprint Assessment (WFA) for better water governance and sustainable development. *Water Resources and Industry*, **2013**, 1-2, 1-6 | 4.5 | 35 |
| 76 | Complementarities of water-focused life cycle assessment and water footprint assessment. *Environmental Science & Technology*, **2013**, 47, 11926-7 | 10.3 | 132 |
| 75 | Potential water saving through changes in European diets. *Environment International*, **2013**, 61, 45-56 | 12.9 | 96 |
| 74 | 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 |
| 73 | The water footprint of the EU for different diets. *Ecological Indicators*, **2013**, 32, 1-8 | 5.8 | 153 |
| 72 | 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 |
| 71 | 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 |

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| 70 | 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 |
| 69 | 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 |
| 68 | Mitigating the Water Footprint of Export Cut Flowers from the Lake Naivasha Basin, Kenya. *Water Resources Management*, **2012**, 26, 3725-3742 | 3.7 | 60 |
| 67 | 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 |
| 66 | A Global Assessment of the Water Footprint of Farm Animal Products. *Ecosystems*, **2012**, 15, 401-415 | 3.9 | 608 |
| 65 | 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 |
| 64 | 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 |
| 63 | 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 |
| 62 | The water footprint of soy milk and soy burger and equivalent animal products. *Ecological Indicators*, **2012**, 18, 392-402 | 5.8 | 72 |
| 61 | The water footprint of sweeteners and bio-ethanol. *Environment International*, **2012**, 40, 202-211 | 12.9 | 109 |
| 60 | 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 |
| 59 | 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 |
| 58 | Computer-supported games and role plays in teaching water management. *Hydrology and Earth System Sciences*, **2012**, 16, 2985-2994 | 5.5 | 27 |
| 57 | The blue water footprint of electricity from hydropower. *Hydrology and Earth System Sciences*, **2012**, 16, 179-187 | 5.5 | 152 |
| 56 | 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 |
| 55 | 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 |
| 54 | 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 |
| 53 | The hidden water resource use behind meat and dairy. *Animal Frontiers*, **2012**, 2, 3-8 | 5.5 | 94 |

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| 52 | Global monthly water scarcity: blue water footprints versus blue water availability. *PLoS ONE*, **2012**, 7, e32688 | 3.7 | 559 |
| 51 | 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 |
| 50 | 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 |
| 49 | The blue, green and grey water footprint of rice from production and consumption perspectives. *Ecological Economics*, **2011**, 70, 749-758 | 5.6 | 284 |
| 48 | 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 |
| 47 | The water footprint of biofuel-based transport. *Energy and Environmental Science*, **2011**, 4, 2658 | 35.4 | 58 |
| 46 | Downstreamness: A Concept to Analyze Basin Closure. *Journal of Water Resources Planning and Management - ASCE*, **2011**, 137, 404-411 | 2.8 | 12 |
| 45 | Potential of Using Remote Sensing Techniques for Global Assessment of Water Footprint of Crops. *Remote Sensing*, **2010**, 2, 1177-1196 | 5 | 46 |
| 44 | 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 |
| 43 | 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 |
| 42 | The water needed for Italians to eat pasta and pizza. *Agricultural Systems*, **2010**, 103, 351-360 | 6.1 | 98 |
| 41 | Strategic importance of green water in international crop trade. *Ecological Economics*, **2010**, 69, 887-894 | 5.6 | 146 |
| 40 | Assessment of uncertainties in expert knowledge, illustrated in fuzzy rule-based models. *Ecological Modelling*, **2010**, 221, 1245-1251 | 3 | 28 |
| 39 | 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 |
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| 37 | The blue, green and grey water footprint of rice from both a production and consumption perspective **2010**, 219-250 | | 17 |
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