# Anne A Van Dam

List of Publications by Year
in descending order

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|---|---|---|---|
| 57 papers | 2,257 citations | 186265 28 h-index | 223800 46 g-index |
| 59 all docs | 59 docs citations | 59 times ranked | 2094 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Challenges and opportunities for integrating lake ecosystem modelling approaches. Aquatic Ecology, 2010, 44, 633-667. | 1.5 | 208 |
| 2 | The potential of fish production based on periphyton. Reviews in Fish Biology and Fisheries, 2002, 12, 1-31. | 4.9 | 142 |
| 3 | Worth of wetlands: revised global monetary values of coastal and inland wetland ecosystem services. Marine and Freshwater Research, 2019, 70, 1189. | 1.3 | 114 |
| 4 | Effects of oxygen concentration and body weight on maximum feed intake, growth and hematological parameters of Nile tilapia, Oreochromis niloticus. Aquaculture, 2008, 275, 152-162. | 3.5 | 106 |
| 5 | Exploring, exploiting and evolving diversity of aquatic ecosystem models: a community perspective. Aquatic Ecology, 2015, 49, 513-548. | 1.5 | 97 |
| 6 | Use of artificial substrates to enhance production of freshwater herbivorous fish in pond culture. Aquaculture Research, 2001, 32, 189-197. | 1.8 | 93 |
| 7 | Towards a global model for wetlands ecosystem services. Current Opinion in Environmental Sustainability, 2019, 36, 11-19. | 6.3 | 93 |
| 8 | Evaluation of polyculture of Indian major carps in periphyton-based ponds. Aquaculture, 2002, 213, 131-149. | 3.5 | 81 |
| 9 | The potential of periphyton-based culture of two Indian major carps, rohu Labeo rohita (Hamilton) and gonia Labeo gonius (Linnaeus). Aquaculture Research, 2001, 32, 209-216. | 1.8 | 69 |
| 10 | A comparison of fertilization, feeding and three periphyton substrates for increasing fish production in freshwater pond aquaculture in Bangladesh. Aquaculture, 2002, 212, 227-243. | 3.5 | 69 |
| 11 | The effects of artificial substrates on freshwater pond productivity and water quality and the implications for periphyton-based aquaculture. Aquatic Living Resources, 2002, 15, 231-241. | 1.2 | 62 |
| 12 | Simulation of the effects of oxygen on food consumption and growth of Nile tilapia, Oreochromis niloticus (L.). Aquaculture Research, 1995, 26, 427-440. | 1.8 | 58 |
| 13 | The effect of periphyton and supplemental feeding on the production of the indigenous carps Tor khudree and Labeo fimbriatus. Aquaculture, 2002, 213, 207-218. | 3.5 | 58 |
| 14 | A characterization of the drivers, pressures, ecosystem functions and services of Namatala wetland, Uganda. Environmental Science and Policy, 2013, 34, 44-57. | 4.9 | 56 |
| 15 | Optimization of fertilization rate for maximizing periphyton production on artificial substrates and the implications for periphyton-based aquaculture. Aquaculture Research, 2001, 32, 749-760. | 1.8 | 53 |
| 16 | The effects of periphyton substrate and fish stocking density on water quality, phytoplankton, periphyton and fish growth. Aquaculture Research, 2003, 34, 685-695. | 1.8 | 53 |
| 17 | Ingestion and utilization of periphyton grown on artificial substrates by Nile tilapia, Oreochromis niloticus L.. Aquaculture Research, 2003, 34, 85-92. | 1.8 | 46 |
| 18 | A simulation model for nitrogen retention in a papyrus wetland near Lake Victoria, Uganda (East) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 | 1.5 | 45 |

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|---|---------|-----|-----------|
| 19 | Effects of bamboo substrate and supplemental feeding on growth and production of hybrid red tilapia fingerlings (Oreochromis mossambicusÃ—Oreochromis niloticus). Aquaculture, 2004, 235, 303-314. | 3.5 | 44 |
| 20 | Effects of dietary starch and energy levels on maximum feed intake, growth and metabolism of Nile tilapia, Oreochromis niloticus. Aquaculture, 2008, 277, 213-219. | 3.5 | 44 |
| 21 | Conceptualization and validation of a dynamic model for the simulation of nitrogen transformations and fluxes in fish ponds. Ecological Modelling, 2002, 147, 123-152. | 2.5 | 42 |
| 22 | Optimization of stocking ratios of two Indian major carps, rohu (Labeo rohita Ham.) and catla (Catla) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 3.5 | 39 |
| 23 | An agro-ecological evaluation of aquaculture integration into farming systems of the Mekong Delta. Agriculture, Ecosystems and Environment, 2010, 138, 232-241. | 5.3 | 38 |
| 24 | Feed intake, growth and metabolism of Nile tilapia (Oreochromis niloticus) in relation to dissolved oxygen concentration. Aquaculture Research, 2012, 43, 730-744. | 1.8 | 38 |
| 25 | A synthesis of past, current and future research for protection and management of papyrus (Cyperus) Tj ETQq1 1 0.784314 rgBT /Overl | 1.5 | 37 |
| 26 | Linking Hydrology, Ecosystem Function, and Livelihood Outcomes in African Papyrus Wetlands Using a Bayesian Network Model. Wetlands, 2013, 33, 381-397. | 1.5 | 36 |
| 27 | Effect of organic nitrogen and carbon mineralization on sediment organic matter accumulation in fish ponds. Aquaculture Research, 2005, 36, 1001-1014. | 1.8 | 33 |
| 28 | The role of sediments for phosphorus retention in the Kirinya wetland (Uganda). Wetlands Ecology and Management, 2007, 15, 481-488. | 1.5 | 33 |
| 29 | Serving many at once: How a database approach can create unity in dynamical ecosystem modelling. Environmental Modelling and Software, 2014, 61, 266-273. | 4.5 | 31 |
| 30 | Integration of smallholder wetland aquaculture?agriculture systems (fingerponds) into riparian farming systems on the shores of Lake Victoria, Kenya: socio-economics and livelihoods. Geographical Journal, 2007, 173, 257-272. | 3.1 | 29 |
| 31 | The ecology of livelihoods in East African papyrus wetlands (ECOLIVE). Reviews in Environmental Science and Biotechnology, 2011, 10, 291-300. | 8.1 | 28 |
| 32 | Effects of agricultural land use on sediment and nutrient retention in valley-bottom wetlands of Migina catchment, southern Rwanda. Journal of Environmental Management, 2018, 219, 103-114. | 7.8 | 24 |
| 33 | Modeling water quality in the Anthropocene: directions for the next-generation aquatic ecosystem models. Current Opinion in Environmental Sustainability, 2019, 36, 85-95. | 6.3 | 23 |
| 34 | Towards decision support-based integrated management planning of papyrus wetlands: a case study from Uganda. Wetlands Ecology and Management, 2014, 22, 199-213. | 1.5 | 22 |
| 35 | A dynamic simulation model for growth of the African catfish, Clarias gariepinus (Burchell 1822). Aquaculture, 1987, 60, 55-71. | 3.5 | 21 |
| 36 | Papyrus Wetlands. , 2018, , 183-197. | | 20 |

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|---|---------|-----|-----------|
| 37 | Effects of water depth and livelihood activities on plant species composition and diversity in Nyando floodplain wetland, Kenya. Wetlands Ecology and Management, 2014, 22, 177-189. | 1.5 | 18 |
| 38 | Effects of River Discharge and Land Use and Land Cover (LULC) on Water Quality Dynamics in Migina Catchment, Rwanda. Environmental Management, 2017, 60, 496-512. | 2.7 | 18 |
| 39 | Exploring the trophic structure in organically fertilized and feed-driven tilapia culture environments using multivariate analyses. Aquaculture Research, 2006, 37, 151-163. | 1.8 | 17 |
| 40 | Parameterization and calibration of a model to simulate effects of feeding level and feed composition on growth of Oreochromis niloticus (L.) and Oncorhynchus mykiss (Walbaum). Aquaculture Research, 1995, 26, 415-425. | 1.8 | 13 |
| 41 | Effects of conversion of wetlands to rice and fish farming on water quality in valley bottoms of the Migina catchment, southern Rwanda. Ecological Engineering, 2018, 125, 76-86. | 3.6 | 13 |
| 42 | Evaluation of nitrogen cycling and fish production in seasonal ponds (â€˜Fingerpondsâ€™) in Lake Victoria wetlands, East Africa using a dynamic simulation model. Aquaculture Research, 2010, 42, 74-90. | 1.8 | 12 |
| 43 | Hydrology and the functioning of seasonal wetland aquacultureâ€"agriculture systems (Fingerponds) at the shores of Lake Victoria, Kenya. Aquacultural Engineering, 2007, 37, 202-214. | 3.1 | 11 |
| 44 | A simulation model for nitrogen cycling in natural rooted papyrus wetlands in East Africa. Wetlands Ecology and Management, 2014, 22, 157-176. | 1.5 | 10 |
| 45 | Modelling nitrogen and phosphorus cycling and retention in Cyperus papyrus dominated natural wetlands. Environmental Modelling and Software, 2019, 122, 104531. | 4.5 | 10 |
| 46 | The Impact of Wastewater Discharge and Agriculture on Water Quality and Nutrient Retention of Namatala Wetland, Eastern Uganda. Frontiers in Environmental Science, 2020, 8, . | 3.3 | 10 |
| 47 | Increasing fish production from wetlands at Lake Victoria, Uganda using organically manured seasonal wetland fish ponds. Wetlands Ecology and Management, 2009, 17, 257-277. | 1.5 | 8 |
| 48 | Environmental impact of seasonal integrated aquaculture ponds ('fingerponds') in the wetlands of Lake Victoria, Kenya: an assessment, with the aid of Bayesian Networks. African Journal of Aquatic Science, 2007, 32, 219-234. | 1.1 | 7 |
| 49 | Enhancing the fish production potential of Lake Victoria papyrus wetlands, Kenya, using seasonal flood-dependent ponds. Wetlands Ecology and Management, 2010, 18, 471-483. | 1.5 | 7 |
| 50 | Modelling growth ofColossoma macropomum(Cuvier): comparison of an empirical and an explanatory model. Aquaculture Research, 1998, 29, 313-332. | 1.8 | 6 |
| 51 | Simulation of food and oxygen limitations on the growth of Nile tilapia, Oreochromis niloticus L., in fishponds. Aquaculture Research, 1996, 27, 463-478. | 1.8 | 4 |
| 52 | Papyrus Wetlands. , 2016, , 1-15. | | 3 |
| 53 | Multiple regression analysis of accumulated data from aquaculture experiments: a rice-fish culture example. Aquaculture Research, 1990, 21, 1-15. | 1.8 | 2 |
| 54 | The effect of seasonal flooding and livelihood activities on retention of nitrogen and phosphorus in Cyperus papyrus wetlands, the role of aboveground biomass. Hydrobiologia, 2021, 848, 4135-4152. | 2.0 | 2 |

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|---|---------|-----|-----------|
| 55 | Sustainable Use of Papyrus from Lake Victoria, Kenya. , 2018, , 1113-1124. | | 0 |
| 56 | Fluxes and retention of sediment and nutrients in valley bottom fish and rice farms and wetlands: impacts on surface water. Wetlands Ecology and Management, 2022, 30, 273. | 1.5 | 0 |
| 57 | Agricultural Case Studies. , 2022, , . | | 0 |