# Lyda Patricia Sabogal Paz

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 39 papers | 430 citations | 759233 12 h-index | 794594 19 g-index |
| 39 all docs | 39 docs citations | 39 times ranked | 352 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Land use influence on raw surface water quality and treatment costs for drinking supply in SÃ£o Paulo State (Brazil). Ecological Engineering, 2016, 94, 516-524. | 3.6 | 60 |
| 2 | Household slow sand filters in intermittent and continuous flows to treat water containing low mineral ion concentrations and Bisphenol A. Science of the Total Environment, 2020, 702, 135078. | 8.0 | 37 |
| 3 | Microcystis aeruginosa and microcystin-LR removal by household slow sand filters operating in continuous and intermittent flows. Water Research, 2019, 150, 29-39. | 11.3 | 36 |
| 4 | Household slow sand filter to treat groundwater with microbiological risks in rural communities. Water Research, 2020, 186, 116352. | 11.3 | 29 |
| 5 | Drinking water treatment by multistage filtration on a household scale: Efficiency and challenges. Water Research, 2020, 178, 115816. | 11.3 | 25 |
| 6 | A critical overview of household slow sand filters for water treatment. Water Research, 2022, 208, 117870. | 11.3 | 25 |
| 7 | Household slow sand filters with and without water level control: continuous and intermittent flow efficiencies. Environmental Technology (United Kingdom), 2020, 41, 944-958. | 2.2 | 20 |
| 8 | Removal of Giardia spp. and Cryptosporidium spp. from water supply with high turbidity: analytical challenges and perspectives. Journal of Water and Health, 2016, 14, 369-378. | 2.6 | 18 |
| 9 | Cryptosporidium spp. and Giardia spp. (oo)cysts as target-organisms in sanitation and environmental monitoring: A review in microscopy-based viability assays. Water Research, 2021, 189, 116590. | 11.3 | 15 |
| 10 | Pretreatment using Opuntia cochenillifera followed by household slow sand filters: technological alternatives for supplying isolated communities. Environmental Technology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 2.2 | 14 |
| 11 | Performance comparison of three methods for detection of Giardia spp. cysts and Cryptosporidium spp. oocysts in drinking-water treatment sludge. Environmental Monitoring and Assessment, 2018, 190, 686. | 2.7 | 13 |
| 12 | Coagulation, flocculation, dissolved air flotation and filtration in the removal of Giardia spp. and Cryptosporidium spp. from water supply. Environmental Technology (United Kingdom), 2019, 40, 654-663. | 2.2 | 13 |
| 13 | Filter media depth and its effect on the efficiency of Household Slow Sand Filter in continuous flow. Journal of Environmental Management, 2021, 288, 112412. | 7.8 | 12 |
| 14 | Exploring Potentials and Constraints of H2O2 Water Disinfection for Household Settings. Water, Air, and Soil Pollution, 2021, 232, 1. | 2.4 | 9 |
| 15 | Evaluation of a multi-barrier household system as an alternative to surface water treatment with microbiological risks. Environmental Technology (United Kingdom), 2022, 43, 3401-3413. | 2.2 | 8 |
| 16 | Uso de modelaÃ§Ã£o matemÃ¡tica para projeto de cÃ¢maras mecanizadas de floculaÃ§Ã£o em sÃ©rie em estaÃ§Ãµes de tratamento de Ã¡gua. Engenharia Sanitaria E Ambiental, 2005, 10, 82-90. | 0.5 | 8 |
| 17 | Detection and alkaline inactivation of Cryptosporidium spp. oocysts and Giardia spp. cysts in drinking-water treatment sludge. Journal of Water Process Engineering, 2021, 40, 101939. | 5.6 | 7 |
| 18 | Conceptualising global water challenges: A transdisciplinary approach for understanding different discourses in sustainable development. Journal of Environmental Management, 2021, 298, 113361. | 7.8 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Label-Free Darkfield-Based Technique to Assist in the Detection of Giardia Cysts. Water, Air, and Soil Pollution, 2018, 229, 1. | 2.4 | 6 |
| 20 | Household slow sand filters in continuous and intermittent flows and their efficiency in microorganismâ€™s removal from river water. Environmental Technology (United Kingdom), 2022, 43, 1583-1592. | 2.2 | 6 |
| 21 | Giardia spp. cysts and Cryptosporidium spp. oocysts in drinking water treatment residues: comparison of recovery methods for quantity assessment. Environmental Technology (United Kingdom), 2021, 42, 1-10. | 2.2 | 6 |
| 22 | Household slow sand filter efficiency with schmutzdecke evaluation by microsensors. Environmental Technology (United Kingdom), 2022, 43, 4042-4053. | 2.2 | 6 |
| 23 | Biological Layer in Household Slow Sand Filters: Characterization and Evaluation of the Impact on Systems Efficiency. Water (Switzerland), 2022, 14, 1078. | 2.7 | 6 |
| 24 | Ripening of household slow sand filter by adding fish food. Journal of Water Sanitation and Hygiene for Development, 2020, 10, 76-85. | 1.8 | 4 |
| 25 | Does each bead count? A reduced-cost approach for recovering waterborne protozoa from challenge water using immunomagnetic separation. Journal of Water and Health, 2021, 19, 436-447. | 2.6 | 4 |
| 26 | Detection of Cryptosporidium Parvum Oocysts in Artificially Contaminated Filter Backwash Water and Ozone Treatment at Pilot Scale. Ozone: Science and Engineering, 2022, 44, 426-437. | 2.5 | 4 |
| 27 | Household slow sand filters operating in continuous and intermittent flows: Computational fluid dynamics simulation and validation by tracer experiments. Chemical Engineering Science, 2022, 247, 117058. | 3.8 | 4 |
| 28 | Hydrogen peroxide-assisted pasteurization: An alternative for household water disinfection. Journal of Cleaner Production, 2022, 357, 131958. | 9.3 | 4 |
| 29 | Analytical challenges and perspectives of assessing viability of Giardia muris cysts and Cryptosporidium parvum oocysts by live/dead simultaneous staining. Environmental Technology (United Kingdom), 2022, 43, 60-69. | 2.2 | 3 |
| 30 | Filter Backwash Water and Floated Residue Containing Pathogenic Protozoa: Detection Method and Treatment Alternatives. Water, Air, and Soil Pollution, 2020, 231, 1. | 2.4 | 3 |
| 31 | Ferric sulphate flocculation as a concentration method for Giardia and Cryptosporidium in filter backwash water. Water Practice and Technology, 2021, 16, 557-565. | 2.0 | 3 |
| 32 | In-situ microscopy investigation of floc development during coagulation-flocculation with chemical and natural coagulants. Separation Science and Technology, 0, , 1-11. | 2.5 | 3 |
| 33 | AvaliaÃ§Ã£o tÃ©cnico-econÃ´mica da tecnologia de tratamento de Ã¡gua de dupla filtraÃ§Ã£o. Engenharia Sanitaria E Ambiental, 2015, 20, 525-532. | 0.5 | 2 |
| 34 | Electroanalytical properties of chlorophenol red at disposable carbon electrodes: Implications for Escherichia coli detection. Bioelectrochemistry, 2019, 130, 107321. | 4.6 | 2 |
| 35 | Detection of Giardia and Cryptosporidium in environmental matrices with immunomagnetic separation: two or three acid dissociations. Parasitology Research, 2021, 120, 629-635. | 1.6 | 2 |
| 36 | Effects of hydrogen peroxide preoxidation on clarification and reduction of the microbial load of groundwater and surface water sources for household treatment. Water Science and Technology: Water Supply, 2022, 22, 2977-2987. | 2.1 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Direct centrifugation for detecting Giardia spp. cysts in filter backwash water. Journal of Water Sanitation and Hygiene for Development, 2022, 12, 475-484. | 1.8 | 2 |
| 38 | Visibility Graph Analysis of Particle Size Distribution During Flocculation for Water Treatment. Water, Air, and Soil Pollution, 2021, 232, 1. | 2.4 | 1 |
| 39 | Label-free detection and enumeration of Giardia cysts in agitated suspensions using in situ microscopy. Journal of Microbiological Methods, 2022, 199, 106509. | 1.6 | 1 |