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Bio

ACADEMIC APPOINTMENTS

- Research Scientist, Woods Research Natural Capital Project

Publications

PUBLICATIONS

- **Scaling Up Pareto Optimization for Tree Structures with Affine Transformations: Evaluating Hybrid Floating Solar-Hydropower Systems in the Amazon**
  Grimson, M., Almeida, R., Shi, Q., Bai, Y., Angarita, H., Pacheco, F., Schmitt, R., Flecker, A., Gomes, C. P.
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- **Modelling the climate change impacts on river discharge and inundation extent in the Magdalena River basin - Colombia** *HYDROLOGICAL SCIENCES JOURNAL*
  Munar, A., Mendez, N., Narvaez, G., Campo Zambrano, F., Motta-Marques, D., Lyra Fialho Breda, J., Santos Fleischmann, A., Angarita, H.
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- **Reducing adverse impacts of Amazon hydropower expansion.** *Science (New York, N.Y.)*
  Flecker, A. S., Shi, Q., Almeida, R. M., Angarita, H., Gomes-Selman, J. M., García-Villacorta, R., Sethi, S. A., Thomas, S. A., Poff, N. L., Forsberg, B. R., Heilpern, S. A., Hamilton, S. K., Abad, et al
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- **Climate change may impair electricity generation and economic viability of future Amazon hydropower** *GLOBAL ENVIRONMENTAL CHANGE-HUMAN AND POLICY DIMENSIONS*
  Almeida, R. M., Fleischmann, A. S., Breda, J. P. F., Cardoso, D. S., Angarita, H., Collischonn, W., Forsberg, B., Garcia-Villacorta, R., Hamilton, S. K., Hannam, P. M., Paiva, R., Poff, N., Sethi, et al
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- **Multiobjective Direct Policy Search Using Physically Based Operating Rules in Multireservoir Systems** *JOURNAL OF WATER RESOURCES PLANNING AND MANAGEMENT*
  Ritter, J., Corzo, G., Solomatine, D. P., Angarita, H.
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- **Reducing greenhouse gas emissions of Amazon hydropower with strategic dam planning** *NATURE COMMUNICATIONS*
  Almeida, R. M., Shi, Q., Gomes-Selman, J. M., Wu, X., Xue, Y., Angarita, H., Barros, N., Forsberg, B. R., Garcia-Villacorta, R., Hamilton, S. K., Melack, J. M., Montoya, M., Perez, et al
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