

# Claire Lauvernet

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9512163/publications.pdf>

Version: 2024-02-01

17  
papers

290  
citations

932766

10  
h-index

940134

16  
g-index

28  
all docs

28  
docs citations

28  
times ranked

338  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Multitemporal-patch ensemble inversion of coupled surface-atmosphere radiative transfer models for land surface characterization. <i>Remote Sensing of Environment</i> , 2008, 112, 851-861.   | 4.6 | 68        |
| 2  | A truncated Gaussian filter for data assimilation with inequality constraints: Application to the hydrostatic stability condition in ocean models. <i>Ocean Modelling</i> , 2009, 27, 1-17.  | 1.0 | 37        |
| 3  | Shallow water table effects on water, sediment, and pesticide transport in vegetative filter strips – Part 2: model coupling, application, factor importance, and uncertainty. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 71-87. | 1.9 | 32        |
| 4  | Shallow water table effects on water, sediment, and pesticide transport in vegetative filter strips – Part 1: nonuniform infiltration and soil water redistribution. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 53-70.           | 1.9 | 32        |
| 5  | Global evaluation and sensitivity analysis of a physically based flow and reactive transport model on a laboratory experiment. <i>Environmental Modelling and Software</i> , 2019, 113, 73-83.   | 1.9 | 21        |
| 6  | A framework for high-resolution meteorological surface reanalysis through offline data assimilation in an ensemble of downscaled reconstructions. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 153-173.         | 1.0 | 19        |
| 7  | From agricultural catchment to management scenarios: A modular tool to assess effects of landscape features on water and pesticide behavior. <i>Science of the Total Environment</i> , 2019, 671, 1144-1160.                                 | 3.9 | 13        |
| 8  | Sobol Global Sensitivity Analysis of a Coupled Surface/Subsurface Water Flow and Reactive Solute Transfer Model on a Real Hillslope. <i>Water (Switzerland)</i> , 2020, 12, 121.   | 1.2 | 13        |
| 9  | Guaranteeing the quality of multidimensional analysis in data warehouses of simulation results: Application to pesticide transfer data produced by the MACRO model. <i>Ecological Informatics</i> , 2013, 16, 41-52.                         | 2.3 | 11        |
| 10 | Effect of surface and subsurface heterogeneity on the hydrological response of a grassed buffer zone. <i>Journal of Hydrology</i> , 2016, 542, 637-647.  | 2.3 | 11        |
| 11 | FYRE Climate: a high-resolution reanalysis of daily precipitation and temperature in France from 1871 to 2012. <i>Climate of the Past</i> , 2021, 17, 1857-1879.   | 1.3 | 10        |
| 12 | Coupling of a subsurface drainage model with a soil reservoir model to simulate drainage discharge and drain flow start. <i>Agricultural Water Management</i> , 2022, 262, 107318.   | 2.4 | 7         |
| 13 | Metamodeling methods that incorporate qualitative variables for improved design of vegetative filter strips. <i>Reliability Engineering and System Safety</i> , 2020, 204, 107083.   | 5.1 | 5         |
| 14 | Using Automatic Differentiation to Study the Sensitivity of a Crop Model. <i>Lecture Notes in Computational Science and Engineering</i> , 2012, , 59-69.   | 0.1 | 5         |
| 15 | Intercomparaison des Ã©vÃ©nements d'Ã©tiage extrÃªme en France depuis 1871. <i>LHB Hydroscience Journal</i> , 2021, 107, 1-9.  | 0.2 | 2         |
| 16 | Ã©valuation et comparaison de sÃ©ries de prÃ©cipitations historiques dans des sous-bassins versants de la Meuse et de la Moselle, 1871-2004. <i>Climatologie</i> , 2019, 16, 52-71.  | 0.2 | 1         |
| 17 | Storage of Simulation Result Data. <i>Advances in Business Information Systems and Analytics Book Series</i> , 2016, , 58-70.  | 0.3 | 0         |