

Liste des publications scientifiques

Publications dans des journaux internationaux

- 2020
 - [Applied Sciences \(15\)](#) - GPU-Enabled Shadow Casting for Solar Potential Estimation in Large Urban Areas. Application to the Solar Cadaster of Greater Geneva
 - [Sustainable Cities and Society \(60\)](#) - Multicriteria roof sorting for the integration of photovoltaic systems in urban environment
- 2021
 - [Territorio](#) - Multi-criteria decision aiding for the integration of photovoltaic systems in the urban environment: the case of the Greater Geneva agglomeration
 - [City and Environment Interactions \(10\)](#) - Optimization of the integration of photovoltaic systems on buildings for self-consumption—Case study in France
 - [Applied Sciences \(17\)](#) - Numerical validation of the radiative model for the solar cadaster developed for greater geneva
- 2022
 - [Energy and Buildings \(260\)](#) - Evaluating the impact of urban morphology on rooftop solar radiation: A new city-scale approach based on Geneva GIS data
 - [Applied Energy \(316\)](#) - Large-scale evaluation of the suitability of buildings for photovoltaic integration: Case study in Greater Geneva

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Publications dans des actes de conférence

- 2019
 - [Proceedings of the ISES Solar World Congress 2019, 2497-2505](#) - Towards a solar cadastre for the monitoring of solar energy urban deployment: The case of Geneva
 - [89th meeting of the EURO Working Group in Multi Criteria Decision Aiding \(EWG-MCDA\)](#) - BIPV suitability analysis in the Genève agglomeration using GIS-based multi-criteria evaluation
- 2020
 - [IBPSA France 2020 : Optimisation de l'intégration photovoltaïque sur un bâtiment suivant différentes stratégies d'autoconsommation](#)
- 2021
 - Building Simulation 2021 : [Large-scale multicriteria sorting for the integration of photovoltaic systems in the urban environment](#)
 - Proceedings of the ISES Solar World Congress 2021 : A Comparative Study Of Simulation Tools To Model The Solar Irradiation On Building Façades (in Press)