Baptiste FranÃ§ois

List of Publications by Year
in descending order

22	948	567247 15	677123 22
papers	citations	h-index	g-index

25	25	25	890
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Space-time variability of climate variables and intermittent renewable electricity production â€“ A review. Renewable and Sustainable Energy Reviews, 2017, 79, 600-617.	16.4	188
2	Complementarity between solar and hydro power: Sensitivity study to climate characteristics in Northern-Italy. Renewable Energy, 2016, 86, 543-553.	8.9	112
3	Design considerations for riverine floods in a changing climate â€“ A review. Journal of Hydrology, 2019, 574, 557-573.	5.4	87
4	Increasing climate-related-energy penetration by integrating run-of-the river hydropower to wind/solar mix. Renewable Energy, 2016, 87, 686-696.	8.9	86
5	Energy droughts from variable renewable energy sources in European climates. Renewable Energy, 2018, 125, 578-589.	8.9	74
6	Li-ion batteries for peak shaving, price arbitrage, and photovoltaic self-consumption in commercial buildings: A Monte Carlo Analysis. Energy Conversion and Management, 2021, 234, 113889.	9.2	58
7	Assessing small hydro/solar power complementarity in ungauged mountainous areas: A crash test study for hydrological prediction methods. Energy, 2017, 127, 716-729.	8.8	48
8	Integrating hydropower and intermittent climateâ€related renewable energies: a call for hydrology. Hydrological Processes, 2014, 28, 5465-5468.	2.6	38
9	Assessing hydropower flexibility for integrating solar and wind energy in West Africa using dynamic programming and sensitivity analysis. Illustration with the Akosombo reservoir, Ghana. Journal of Cleaner Production, 2021, 287, 125559.	9.3	33
10	A General Methodology for Climateâ€Informed Approaches to Longâ€Term Flood Projectionâ€”Illustrated With the Ohio River Basin. Water Resources Research, 2018, 54, 9321-9341.	4.2	28
11	Impact of Climate Change on Combined Solar and Run-of-River Power in Northern Italy. Energies, 2018, 11, 290.	3.1	28
12	Influence of winter North-Atlantic Oscillation on Climate-Related-Energy penetration in Europe. Renewable Energy, 2016, 99, 602-613.	8.9	26
13	Effects of Increased Wind Power Generation on Mid-Norwayâ€™s Energy Balance under Climate Change: A Market Based Approach. Energies, 2017, 10, 227.	3.1	21
14	Assessment of Spatio-Temporal Changes of Land Use and Land Cover over South-Western African Basins and Their Relations with Variations of Discharges. Hydrology, 2018, 5, 56.	3.0	21
15	The impact of glacier shrinkage on energy production from hydropower-solar complementarity in alpine river basins. Science of the Total Environment, 2020, 719, 137488.	8.0	19
16	Evaluating existing water supply reservoirs as small-scale pumped hydroelectric storage options â€“ A case study in Connecticut. Energy, 2021, 226, 120354.	8.8	15
17	Estimating Water System Performance Under Climate Change: Influence of the Management Strategy Modeling. Water Resources Management, 2015, 29, 4903-4918.	3.9	14
18	Seasonal patterns of water storage as signatures of the climatological equilibrium between resource and demand. Hydrology and Earth System Sciences, 2014, 18, 3787-3800.	4.9	13

#	Article	IF	Citations
19	Climate, Land Use and Land Cover Changes in the Bandama Basin (CÃ´te Dâ€™Ivoire, West Africa) and Incidences on Hydropower Production of the Kossou Dam. Land, 2019, 8, 103.	2.9	9
20	Multi-temporal scale analysis of complementarity between hydro and solar power along an alpine transect. Science of the Total Environment, 2020, 741, 140179.	8.0	9
21	Complementarity between Combined Heat and Power Systems, Solar PV and Hydropower at a District Level: Sensitivity to Climate Characteristics along an Alpine Transect. Energies, 2020, 13, 4156.	3.1	9
22	Comparing Flood Projection Approaches Across Hydroâ€Climatologically Diverse United States River Basins. Water Resources Research, 2021, 57, .	4.2	9