Lauriane Vilmin

List of Publications by Year
in descending order

20	586	687220 13	794469 19
papers	citations	h-index	g-index

22	22	22	835
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An intercomparison of remote sensing river discharge estimation algorithms from measurements of river height, width, and slope. Water Resources Research, 2016, 52, 4527-4549.	1.7	163
2	Forms and subannual variability of nitrogen and phosphorus loading to global river networks over the 20th century. Global and Planetary Change, 2018, 163, 67-85.	1.6	74
3	Phosphorus budget in the waterâ€agroâ€food system at nested scales in two contrasted regions of the world (ASEANâ€8 and EUâ€27). Global Biogeochemical Cycles, 2015, 29, 1348-1368.	1.9	54
4	Estimation of the water quality of a large urbanized river as defined by the European WFD: what is the optimal sampling frequency?. Environmental Science and Pollution Research, 2018, 25, 23485-23501.	2.7	34
5	Impact of hydro-sedimentary processes on the dynamics of soluble reactive phosphorus in the Seine River. Biogeochemistry, 2015, 122, 229-251.	1.7	31
6	Modelling the fate of nitrite in an urbanized river using experimentally obtained nitrifier growth parameters. Water Research, 2015, 73, 373-387.	5.3	30
7	Pluri-annual sediment budget in a navigated river system: The Seine River (France). Science of the Total Environment, 2015, 502, 48-59.	3.9	29
8	Estimating ecosystem metabolism from continuous multi-sensor measurements in the Seine River. Environmental Science and Pollution Research, 2018, 25, 23451-23467.	2.7	27
9	Carbon fate in a large temperate humanâ€impacted river system: Focus on benthic dynamics. Global Biogeochemical Cycles, 2016, 30, 1086-1104.	1.9	24
10	Exploring Spatially Explicit Changes in Carbon Budgets of Global River Basins during the 20th Century. Environmental Science & Technology, 2021, 55, 16757-16769.	4.6	21
11	Modeling phosphorus in rivers at the global scale: recent successes, remaining challenges, and near-term opportunities. Current Opinion in Environmental Sustainability, 2019, 36, 68-77.	3.1	18
12	Exploring Long-Term Changes in Silicon Biogeochemistry Along the River Continuum of the Rhine and Yangtze (Changjiang). Environmental Science & Technology, 2020, 54, 11940-11950.	4.6	18
13	Modeling Processâ€Based Biogeochemical Dynamics in Surface Fresh Waters of Large Watersheds With the IMAGEâ€DGNM Framework. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001796.	1.3	16
14	Estimating dissolved carbon concentrations in global soils: a global database and model. SN Applied Sciences, 2020, 2, 1.	1.5	14
15	Ecological Functioning of the Seine River: From Long-Term Modelling Approaches to High-Frequency Data Analysis. Handbook of Environmental Chemistry, 2020, , 189-216.	0.2	13
16	Modelling the fate of nonylphenolic compounds in the Seine River â€" part 1: Determination of in-situ attenuation rate constants. Science of the Total Environment, 2014, 468-469, 1050-1058.	3.9	10
17	Modelling the fate of nonylphenolic compounds in the Seine River â€" part 2: Assessing the impact of global change on daily concentrations. Science of the Total Environment, 2014, 468-469, 1059-1068.	3.9	5
18	Le modÃ¨le de prÃ©diction de la qualitÃ© de la Seine ProSe. Techniques - Sciences - Methodes, 2016, , 43-66.	0.0	2

#	Article	IF	Citations
19	Comment on â€œMulti-Scale Modeling of Nutrient Pollution in the Rivers of Chinaâ€• Environmental Science & Technology, 2020, 54, 2043-2045.	4.6	1
20	How Human Activities Have Modified Nitrogen And Phosphorus Delivery To Global Rivers. , 2018, , .		0