

# Dominique SerÃ§a

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1767240/publications.pdf>

Version: 2024-02-01

22  
papers

1,206  
citations

516561

16  
h-index

713332

21  
g-index

34  
all docs

34  
docs citations

34  
times ranked

2105  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas transfer velocities of CO <sub>2</sub> and CH <sub>4</sub> in a tropical reservoir and its river downstream. <i>Journal of Marine Systems</i> , 2007, 66, 161-172.	0.9	204
2	Comparison of static chambers to measure CH <sub>4</sub> emissions from soils. <i>Agricultural and Forest Meteorology</i> , 2013, 171-172, 124-136.	1.9	152
3	Greenhouse Gas Emissions from Freshwater Reservoirs: What Does the Atmosphere See?. <i>Ecosystems</i> , 2018, 21, 1058-1071.	1.6	145
4	Global inventory of NO <sub>x</sub> sources. <i>Nutrient Cycling in Agroecosystems</i> , 1997, 48, 51-60.	1.1	141
5	Photosynthesis-dependent isoprene emission from leaf to planet in a global carbon-chemistry-climate model. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 10243-10269.	1.9	82
6	Gross CO <sub>2</sub> and CH <sub>4</sub> emissions from the Nam Ngum and Nam Leuk sub-tropical reservoirs in Lao PDR. <i>Science of the Total Environment</i> , 2011, 409, 5382-5391.	3.9	65
7	Isoprene and monoterpenes biogenic emissions in France: modeling and impact during a regional pollution episode. <i>Atmospheric Environment</i> , 2004, 38, 3853-3865.	1.9	57
8	Physical controls on CH <sub>4</sub> emissions from a newly flooded subtropical freshwater hydroelectric reservoir: Nam Theun 2. <i>Biogeosciences</i> , 2014, 11, 4251-4269.	1.3	51
9	Title is missing!. <i>Nutrient Cycling in Agroecosystems</i> , 1997, 48, 91-104.	1.1	45
10	Soil NO emissions modelling using artificial neural network. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2007, 59, 502-513.	0.8	44
11	Impact of Boundary-Layer Processes on Near-Surface Turbulence Within the West African Monsoon. <i>Boundary-Layer Meteorology</i> , 2010, 136, 1-23.	1.2	34
12	Identification of spikes associated with local sources in continuous time series of atmospheric CO <sub>2</sub> and CH <sub>4</sub> . <i>Atmospheric Measurement Techniques</i> , 2018, 11, 1599-1614.	1.2	31
13	Low methane (CH <sub>4</sub> ) emissions downstream of a monomictic subtropical hydroelectric reservoir (Nam Theun 2, Lao PDR). <i>Biogeosciences</i> , 2016, 13, 1919-1932.	1.3	23
14	Atmospheric composition of West Africa: highlights from the AMMA international program. <i>Atmospheric Science Letters</i> , 2011, 12, 13-18.	0.8	21
15	Modelling the effect of soil moisture and organic matter degradation on biogenic NO emissions from soils in Sahel rangeland (Mali). <i>Biogeosciences</i> , 2015, 12, 3253-3272.	1.3	19
16	Livestock induces strong spatial heterogeneity of soil CO <sub>2</sub> , N <sub>2</sub> O and CH <sub>4</sub> emissions within a semi-arid silvo-pastoral landscape in West Africa. <i>Journal of Arid Land</i> , 2017, 9, 210-221.	0.9	18
17	Effect of sporadic destratification, seasonal overturn, and artificial mixing on CH <sub>4</sub> emissions from a subtropical hydroelectric reservoir. <i>Biogeosciences</i> , 2016, 13, 3647-3663.	1.3	17
18	Carbon dioxide emissions from the flat bottom and shallow Nam Theun 2 Reservoir: drawdown area as a neglected pathway to the atmosphere. <i>Biogeosciences</i> , 2018, 15, 1775-1794.	1.3	15

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19	A new disjunct eddy-covariance system for BVOC flux measurements – validation on CO <sub>2</sub> and H <sub>2</sub> O fluxes. Atmospheric Measurement Techniques, 2012, 5, 3119-3132.	1.2	14
20	Modelling land-atmosphere daily exchanges of NO, NH <sub>3</sub> , and CO <sub>2</sub> in a semi-arid grazed ecosystem in Senegal. Biogeosciences, 2019, 16, 2049-2077.	1.3	10
21	Understanding N <sub>2</sub> O Emissions in African Ecosystems: Assessments from a Semi-Arid Savanna Grassland in Senegal and Sub-Tropical Agricultural Fields in Kenya. Sustainability, 2020, 12, 8875.	1.6	5
22	First Assessment of Inorganic Nitrogen Deposition Budget Following the Impoundment of a Subtropical Hydroelectric Reservoir (Nam Theun 2, Lao PDR). Journal of Geophysical Research D: Atmospheres, 2018, 123, 12,413-12,428.	1.2	0