

Emilio Mayorga

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

7,345
citations

279798

23
h-index

434195

31
g-index

33
all docs

33
docs citations

33
times ranked

9365
citing authors

#	ARTICLE	IF	CITATIONS
1	Biogeochemical Hot Spots and Hot Moments at the Interface of Terrestrial and Aquatic Ecosystems. <i>Ecosystems</i> , 2003, 6, 301-312.	3.4	1,874
2	Global carbon dioxide emissions from inland waters. <i>Nature</i> , 2013, 503, 355-359.	27.8	1,670
3	Riverine coupling of biogeochemical cycles between land, oceans, and atmosphere. <i>Frontiers in Ecology and the Environment</i> , 2011, 9, 53-60.	4.0	927
4	Young organic matter as a source of carbon dioxide outgassing from Amazonian rivers. <i>Nature</i> , 2005, 436, 538-541.	27.8	521
5	Global Nutrient Export from WaterSheds 2 (NEWS 2): Model development and implementation. <i>Environmental Modelling and Software</i> , 2010, 25, 837-853.	4.5	404
6	The regional and global significance of nitrogen removal in lakes and reservoirs. <i>Biogeochemistry</i> , 2009, 93, 143-157.	3.5	326
7	Organic matter in Bolivian tributaries of the Amazon River: A comparison to the lower mainstream. <i>Limnology and Oceanography</i> , 2000, 45, 1449-1466.	3.1	187
8	A full greenhouse gases budget of Africa: synthesis, uncertainties, and vulnerabilities. <i>Biogeosciences</i> , 2014, 11, 381-407.	3.3	162
9	Increasing anthropogenic nitrogen inputs and riverine DIN exports from the Changjiang River basin under changing human pressures. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	4.9	137
10	Merging aquatic and terrestrial perspectives of nutrient biogeochemistry. <i>Oecologia</i> , 2003, 137, 485-501.	2.0	134
11	Organic matter in the Peruvian headwaters of the Amazon: Compositional evolution from the Andes to the lowland Amazon mainstem. <i>Organic Geochemistry</i> , 2007, 38, 337-364.	1.8	112
12	Ecological and Genomic Attributes of Novel Bacterial Taxa That Thrive in Subsurface Soil Horizons. <i>MBio</i> , 2019, 10, .	4.1	108
13	The carbon budget of terrestrial ecosystems in East Asia over the last two decades. <i>Biogeosciences</i> , 2012, 9, 3571-3586.	3.3	103
14	Millennium Ecosystem Assessment scenario drivers (1970â€“2050): Climate and hydrological alterations. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	4.9	98
15	The carbon budget of South Asia. <i>Biogeosciences</i> , 2013, 10, 513-527.	3.3	94
16	Procentrum minimum tracks anthropogenic nitrogen and phosphorus inputs on a global basis: Application of spatially explicit nutrient export models. <i>Harmful Algae</i> , 2008, 8, 33-38.	4.8	85
17	Magnitudes and sources of dissolved inorganic phosphorus inputs to surface fresh waters and the coastal zone: A new global model. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	4.9	83
18	Nutrients export by rivers to the coastal waters of Africa: Past and future trends. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	4.9	67

#	ARTICLE	IF	CITATIONS
19	Observations Data Model 2: A community information model for spatially discrete Earth observations. <i>Environmental Modelling and Software</i> , 2016, 79, 55-74.	4.5	40
20	Estimating cell-to-cell land surface drainage paths from digital channel networks, with an application to the Amazon basin. <i>Journal of Hydrology</i> , 2005, 315, 167-182.	5.4	32
21	Continental-scale patterns of extracellular enzyme activity in the subsoil: an overlooked reservoir of microbial activity. <i>Environmental Research Letters</i> , 2020, 15, 1040a1.	5.2	32
22	Subregional and downscaled global scenarios of nutrient transfer in river basins: Seine-Somme-Scheldt case study. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	4.9	30
23	Spatially explicit fate factors of waterborne nitrogen emissions at the global scale. <i>International Journal of Life Cycle Assessment</i> , 2018, 23, 1286-1296.	4.7	29
24	Land-based nutrient loading to LMEs: A global watershed perspective on magnitudes and sources. <i>Environmental Development</i> , 2016, 17, 220-229.	4.1	20
25	Modeling sources of nutrients in rivers draining into the Bay of Bengal—a scenario analysis. <i>Regional Environmental Change</i> , 2017, 17, 2495-2506.	2.9	19
26	Better Regional Ocean Observing Through Cross-National Cooperation: A Case Study From the Northeast Pacific. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	12
27	Harvest of the century. <i>Nature</i> , 2008, 451, 405-406.	27.8	8
28	Enhancing Interoperability and Capabilities of Earth Science Data using the Observations Data Model 2 (ODM2). <i>Data Science Journal</i> , 2017, 16, .	1.3	6
29	Data Management Strategy to Improve Global Use of Ocean Acidification Data and Information. <i>Oceanography</i> , 2015, 25, 226-228.	1.0	5
30	IOOS vocabulary and ontology strategy for observed properties. , 2012, , .		2
31	Infrastructure and tools for serving, accessing, and analyzing ocean information from the Integrated Ocean Observing System. , 2015, , .		0