

# Emilio Mayorga

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8413810/publications.pdf>

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  | 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        |
| 2  | 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        |
| 3  | Ecological and Genomic Attributes of Novel Bacterial Taxa That Thrive in Subsurface Soil Horizons. <i>MBio</i> , 2019, 10, .   | 4.1  | 108       |
| 4  | 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        |
| 5  | 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        |
| 6  | 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         |
| 7  | 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        |
| 8  | 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        |
| 9  | Infrastructure and tools for serving, accessing, and analyzing ocean information from the Integrated Ocean Observing System. , 2015, , .   |      | 0         |
| 10 | Data Management Strategy to Improve Global Use of Ocean Acidification Data and Information. <i>Oceanography</i> , 2015, 25, 226-228.   | 1.0  | 5         |
| 11 | A full greenhouse gases budget of Africa: synthesis, uncertainties, and vulnerabilities. <i>Biogeosciences</i> , 2014, 11, 381-407.  | 3.3  | 162       |
| 12 | Global carbon dioxide emissions from inland waters. <i>Nature</i> , 2013, 503, 355-359.  | 27.8 | 1,670     |
| 13 | The carbon budget of South Asia. <i>Biogeosciences</i> , 2013, 10, 513-527.  | 3.3  | 94        |
| 14 | IOOS vocabulary and ontology strategy for observed properties. , 2012, , .   |      | 2         |
| 15 | The carbon budget of terrestrial ecosystems in East Asia over the last two decades. <i>Biogeosciences</i> , 2012, 9, 3571-3586.  | 3.3  | 103       |
| 16 | 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       |
| 17 | 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       |
| 18 | Subregional and downscaled global scenarios of nutrient transfer in river basins: Seineâ€”Sommeâ€”Scheldt case study. <i>Global Biogeochemical Cycles</i> , 2010, 24, .              | 4.9  | 30        |

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|----|--|------|-----------|
| 19 | Nutrients export by rivers to the coastal waters of Africa: Past and future trends. <i>Global Biogeochemical Cycles</i> , 2010, 24, .  | 4.9  | 67        |
| 20 | 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       |
| 21 | 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        |
| 22 | Millennium Ecosystem Assessment scenario drivers (1970â€“2050): Climate and hydrological alterations. <i>Global Biogeochemical Cycles</i> , 2010, 24, .                                    | 4.9  | 98        |
| 23 | The regional and global significance of nitrogen removal in lakes and reservoirs. <i>Biogeochemistry</i> , 2009, 93, 143-157.  | 3.5  | 326       |
| 24 | Harvest of the century. <i>Nature</i> , 2008, 451, 405-406.  | 27.8 | 8         |
| 25 | 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        |
| 26 | 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       |
| 27 | Young organic matter as a source of carbon dioxide outgassing from Amazonian rivers. <i>Nature</i> , 2005, 436, 538-541.   | 27.8 | 521       |
| 28 | 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        |
| 29 | 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     |
| 30 | Merging aquatic and terrestrial perspectives of nutrient biogeochemistry. <i>Oecologia</i> , 2003, 137, 485-501.   | 2.0  | 134       |
| 31 | 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       |