

# J Michel Flores

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8908761/publications.pdf>

Version: 2024-02-01

25  
papers

1,644  
citations

361413

20  
h-index

552781

26  
g-index

36  
all docs

36  
docs citations

36  
times ranked

2255  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                          | IF   | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | Terrestrial and marine influence on atmospheric bacterial diversity over the north Atlantic and Pacific Oceans. <i>Communications Earth &amp; Environment</i> , 2022, 3, .                                                       | 6.8  | 13        |
| 2  | Diel cycle of sea spray aerosol concentration. <i>Nature Communications</i> , 2021, 12, 5476.                                                                                                                                    | 12.8 | 5         |
| 3  | Tara Pacific Expeditionâ€™s Atmospheric Measurements of Marine Aerosols across the Atlantic and Pacific Oceans: Overview and Preliminary Results. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E536-E554. | 3.3  | 9         |
| 4  | Airborne microplastic particles detected in the remote marine atmosphere. <i>Communications Earth &amp; Environment</i> , 2020, 1, .                                                                                             | 6.8  | 131       |
| 5  | Sensitivity of warm clouds to large particles in measured marine aerosol size distributions â€™ a theoretical study. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 15297-15306.                                           | 4.9  | 4         |
| 6  | The Tara Pacific expeditionâ€™A pan-ecosystemic approach of the â€™omicsâ€™ complexity of coral reef holobionts across the Pacific Ocean. <i>PLoS Biology</i> , 2019, 17, e3000483.                                              | 5.6  | 48        |
| 7  | Expanding Tara Oceans Protocols for Underway, Ecosystemic Sampling of the Ocean-Atmosphere Interface During Tara Pacific Expedition (2016â€™2018). <i>Frontiers in Marine Science</i> , 2019, 6, .                               | 2.5  | 42        |
| 8  | Evolution of the Complex Refractive Index of Secondary Organic Aerosols during Atmospheric Aging. <i>Environmental Science &amp; Technology</i> , 2018, 52, 3456-3465.                                                           | 10.0 | 40        |
| 9  | Broadband optical properties of biomassâ€™burning aerosol and identification of brown carbon chromophores. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 5441-5456.                                         | 3.3  | 96        |
| 10 | Calibration of a multi-pass photoacoustic spectrometer cell using light-absorbing aerosols. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 1203-1213.                                                                     | 3.1  | 37        |
| 11 | A new approach for retrieving the UVâ€™vis optical properties of ambient aerosols. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 3477-3490.                                                                               | 3.1  | 33        |
| 12 | Broadband cavity-enhanced absorption spectroscopy in the ultraviolet spectral region for measurements of nitrogen dioxide and formaldehyde. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 41-52.                          | 3.1  | 44        |
| 13 | Cloud condensation nuclei activity, droplet growth kinetics, and hygroscopicity of biogenic and anthropogenic secondary organic aerosol (SOA). <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1105-1121.                   | 4.9  | 43        |
| 14 | Infection of phytoplankton by aerosolized marine viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6643-6647.                                                         | 7.1  | 79        |
| 15 | Optical Properties of Secondary Organic Aerosols and Their Changes by Chemical Processes. <i>Chemical Reviews</i> , 2015, 115, 4400-4439.                                                                                        | 47.7 | 311       |
| 16 | Decoupling atmospheric and oceanic factors affecting aerosol loading over a cluster of mesoscale North Atlantic eddies. <i>Geophysical Research Letters</i> , 2014, 41, 4075-4081.                                               | 4.0  | 13        |
| 17 | Complex refractive indices in the near-ultraviolet spectral region of biogenic secondary organic aerosol aged with ammonia. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 10629-10642.                                  | 2.8  | 98        |
| 18 | Evolution of the complex refractive index in the UV spectral region in ageing secondary organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 5793-5806.                                                         | 4.9  | 60        |

| #  | ARTICLE                                                                                                                                                                                                  | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Broadband measurements of aerosol extinction in the ultraviolet spectral region. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 861-877.                                                           | 3.1 | 105       |
| 20 | An Approach for Faster Retrieval of Aerosols' Complex Refractive Index Using Cavity Ring-Down Spectroscopy. <i>Aerosol Science and Technology</i> , 2012, 46, 1140-1150.                                 | 3.1 | 37        |
| 21 | Absorbing aerosols at high relative humidity: linking hygroscopic growth to optical properties. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 5511-5521.                                          | 4.9 | 91        |
| 22 | Changes in the optical properties of benzo[a]pyrene-coated aerosols upon heterogeneous reactions with NO <sub>2</sub> and NO <sub>3</sub> . <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 6484. | 2.8 | 55        |
| 23 | Chemical, physical, and optical evolution of biomass burning aerosols: a case study. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 1491-1503.                                                     | 4.9 | 122       |
| 24 | The optical, physical and chemical properties of the products of glyoxal uptake on ammonium sulfate seed aerosols. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 9697-9707.                       | 4.9 | 84        |
| 25 | Effective broadband refractive index retrieval by a white light optical particle counter. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 7943.                                                   | 2.8 | 28        |