

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 | Optical Properties of Secondary Organic Aerosols and Their Changes by Chemical Processes. <i>Chemical Reviews</i> , 2015, 115, 4400-4439. | 47.7 | 311 |
| 2 | Airborne microplastic particles detected in the remote marine atmosphere. <i>Communications Earth & Environment</i> , 2020, 1, . | 6.8 | 131 |
| 3 | 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 |
| 4 | Broadband measurements of aerosol extinction in the ultraviolet spectral region. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 861-877. | 3.1 | 105 |
| 5 | 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 |
| 6 | Broadband optical properties of biomass-burning aerosol and identification of brown carbon chromophores. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 5441-5456. | 3.3 | 96 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | Changes in the optical properties of benzo[a]pyrene-coated aerosols upon heterogeneous reactions with NO ₂ and NO ₃ . <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 6484. | 2.8 | 55 |
| 12 | The Tara Pacific expedition – A pan-ecosystemic approach of the –omics – complexity of coral reef holobionts across the Pacific Ocean. <i>PLoS Biology</i> , 2019, 17, e3000483. | 5.6 | 48 |
| 13 | 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 |
| 14 | 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 |
| 15 | Expanding Tara Oceans Protocols for Underway, Ecosystemic Sampling of the Ocean-Atmosphere Interface During Tara Pacific Expedition (2016 – 2018). <i>Frontiers in Marine Science</i> , 2019, 6, . | 2.5 | 42 |
| 16 | Evolution of the Complex Refractive Index of Secondary Organic Aerosols during Atmospheric Aging. <i>Environmental Science & Technology</i> , 2018, 52, 3456-3465. | 10.0 | 40 |
| 17 | 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 |
| 18 | Calibration of a multi-pass photoacoustic spectrometer cell using light-absorbing aerosols. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 1203-1213. | 3.1 | 37 |

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|----|--|------|-----------|
| 19 | A new approach for retrieving the UVâ€“vis optical properties of ambient aerosols. Atmospheric Measurement Techniques, 2016, 9, 3477-3490. | 3.1 | 33 |
| 20 | Effective broadband refractive index retrieval by a white light optical particle counter. Physical Chemistry Chemical Physics, 2009, 11, 7943. | 2.8 | 28 |
| 21 | Decoupling atmospheric and oceanic factors affecting aerosol loading over a cluster of mesoscale North Atlantic eddies. Geophysical Research Letters, 2014, 41, 4075-4081. | 4.0 | 13 |
| 22 | Terrestrial and marine influence on atmospheric bacterial diversity over the north Atlantic and Pacific Oceans. Communications Earth & Environment, 2022, 3, . | 6.8 | 13 |
| 23 | Tara Pacific Expeditionâ€™s Atmospheric Measurements of Marine Aerosols across the Atlantic and Pacific Oceans: Overview and Preliminary Results. Bulletin of the American Meteorological Society, 2020, 101, E536-E554. | 3.3 | 9 |
| 24 | Diel cycle of sea spray aerosol concentration. Nature Communications, 2021, 12, 5476. | 12.8 | 5 |
| 25 | Sensitivity of warm clouds to large particles in measured marine aerosol size distributions â€“ a theoretical study. Atmospheric Chemistry and Physics, 2020, 20, 15297-15306. | 4.9 | 4 |