

Florian Rubach

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

2,382
citations

687363

13
h-index

839539

18
g-index

31
all docs

31
docs citations

31
times ranked

2911
citing authors

#	ARTICLE	IF	CITATIONS
1	A large source of low-volatility secondary organic aerosol. <i>Nature</i> , 2014, 506, 476-479.	27.8	1,448
2	A novel method for online analysis of gas and particle composition: description and evaluation of a Filter Inlet for Gases and AEROSols (FIGAERO). <i>Atmospheric Measurement Techniques</i> , 2014, 7, 983-1001.	3.1	345
3	Phase partitioning and volatility of secondary organic aerosol components formed from α -pinene ozonolysis and OH oxidation: the importance of accretion products and other low volatility compounds. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 7765-7776.	4.9	126
4	Formation of anthropogenic secondary organic aerosol (SOA) and its influence on biogenic SOA properties. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 2837-2855.	4.9	73
5	Volatility of secondary organic aerosol during OH radical induced ageing. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 11055-11067.	4.9	66
6	Environmental conditions regulate the impact of plants on cloud formation. <i>Nature Communications</i> , 2017, 8, 14067.	12.8	62
7	Isoprene in poplar emissions: effects on new particle formation and OH concentrations. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 1021-1030.	4.9	47
8	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
9	Size-dependent hygroscopicity parameter (κ) and chemical composition of secondary organic cloud condensation nuclei. <i>Geophysical Research Letters</i> , 2015, 42, 10,920.	4.0	31
10	The isotope effect of nitrate assimilation in the Antarctic Zone: Improved estimates and paleoceanographic implications. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 247, 261-279.	3.9	28
11	Measurements of aerosol and CCN properties in the Mackenzie River delta (Canadian Arctic) during spring-summer transition in May 2014. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 4477-4496.	4.9	21
12	Vertical profiling of aerosol hygroscopic properties in the planetary boundary layer during the PEGASOS campaigns. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7295-7315.	4.9	17
13	Parameterization of Thermal Properties of Aging Secondary Organic Aerosol Produced by Photo-Oxidation of Selected Terpene Mixtures. <i>Environmental Science & Technology</i> , 2014, 48, 6168-6176.	10.0	14
14	Ambient and laboratory observations of organic ammonium salts in PM ₁ . <i>Faraday Discussions</i> , 2017, 200, 331-351.	3.2	14
15	Optimizing the detection, ablation, and ion extraction efficiency of a single-particle laser ablation mass spectrometer for application in environments with low aerosol particle concentrations. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 5923-5953.	3.1	10
16	Application of an O-ring pinch device as a constant-pressure inlet (CPI) for airborne sampling. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 3651-3660.	3.1	9
17	Cloud condensation nuclei activity of CaCO ₃ particles with oleic acid and malonic acid coatings. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 7345-7359.	4.9	5
18	Simulation of atmospheric organic aerosol using its volatility-oxygen-content distribution during the PEGASOS 2012 campaign. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10759-10772.	4.9	3

#	ARTICLE	IF	CITATIONS
19	Probing aerosol formation by comprehensive measurements of gas phase oxidation products. , 2013, , .		0