

Magda Claeys

List of Publications by Year in descending order

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38
papers

7,290
citations

147801

31
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38
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50
all docs

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docs citations

50
times ranked

4413
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Secondary Organic Aerosol Formation from Isoprene: Selected Research, Historic Account and State of the Art. <i>Atmosphere</i> , 2021, 12, 728. | 2.3 | 7 |
| 2 | Structural Characterization of Lactone-Containing MW 212 Organosulfates Originating from Isoprene Oxidation in Ambient Fine Aerosol. <i>Environmental Science & Technology</i> , 2020, 54, 1415-1424. | 10.0 | 11 |
| 3 | Radical oxidation of methyl vinyl ketone and methacrolein in aqueous droplets: Characterization of organosulfates and atmospheric implications. <i>Chemosphere</i> , 2019, 214, 1-9. | 8.2 | 21 |
| 4 | High-molecular-weight esters in α -pinene ozonolysis secondary organic aerosol: structural characterization and mechanistic proposal for their formation from highly oxygenated molecules. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8453-8467. | 4.9 | 35 |
| 5 | Synthesis and characterisation of peroxydicarboxylic acids as proxies for highly oxygenated molecules (HOMs) in secondary organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10973-10983. | 4.9 | 15 |
| 6 | Source apportionment of carbonaceous chemical species to fossil fuel combustion, biomass burning and biogenic emissions by a coupled radiocarbon-levoglucosan marker method. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 13767-13781. | 4.9 | 43 |
| 7 | Contribution from Selected Organic Species to PM _{2.5} Aerosol during a Summer Field Campaign at K-Pusztá, Hungary. <i>Atmosphere</i> , 2017, 8, 221. | 2.3 | 7 |
| 8 | Characterization of polar organosulfates in secondary organic aerosol from the unsaturated aldehydes 2-E-pentenal, 2-E-hexenal, and 3-Z-hexenal. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7135-7148. | 4.9 | 41 |
| 9 | The Molecular Identification of Organic Compounds in the Atmosphere: State of the Art and Challenges. <i>Chemical Reviews</i> , 2015, 115, 3919-3983. | 47.7 | 417 |
| 10 | An intercomparison study of analytical methods used for quantification of levoglucosan in ambient aerosol filter samples. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 125-147. | 3.1 | 54 |
| 11 | Chemical characterization of the main products formed through aqueous-phase photolysis of guaiacol. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 2457-2470. | 3.1 | 57 |
| 12 | Characterization of Polar Organosulfates in Secondary Organic Aerosol from the Green Leaf Volatile 3-Z-Hexenal. <i>Environmental Science & Technology</i> , 2014, 48, 12671-12678. | 10.0 | 45 |
| 13 | 2-Hydroxyterpenylic Acid: An Oxygenated Marker Compound for α -Pinene Secondary Organic Aerosol in Ambient Fine Aerosol. <i>Environmental Science & Technology</i> , 2014, 48, 4901-4908. | 10.0 | 32 |
| 14 | Campholenic aldehyde ozonolysis: a mechanism leading to specific biogenic secondary organic aerosol constituents. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 719-736. | 4.9 | 37 |
| 15 | Mass spectrometric characterization of organosulfates related to secondary organic aerosol from isoprene. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 784-794. | 1.5 | 60 |
| 16 | Assessment of the contribution from wood burning to the PM ₁₀ aerosol in Flanders, Belgium. <i>Science of the Total Environment</i> , 2012, 437, 226-236. | 8.0 | 73 |
| 17 | Characterisation of tracers for aging of α -pinene secondary organic aerosol using liquid chromatography/negative ion electrospray ionisation mass spectrometry. <i>Environmental Chemistry</i> , 2012, 9, 236. | 1.5 | 60 |
| 18 | Mass spectrometric characterization of isomeric terpenoic acids from the oxidation of α -pinene, β -pinene, δ -limonene, and β -carene in fine forest aerosol. <i>Journal of Mass Spectrometry</i> , 2011, 46, 425-442. | 1.6 | 89 |

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|----|---|------|-----------|
| 19 | Characterization and Quantification of Isoprene-Derived Epoxydiols in Ambient Aerosol in the Southeastern United States. <i>Environmental Science & Technology</i> , 2010, 44, 4590-4596. | 10.0 | 165 |
| 20 | Terpenylic Acid and Related Compounds from the Oxidation of α -Pinene: Implications for New Particle Formation and Growth above Forests. <i>Environmental Science & Technology</i> , 2009, 43, 6976-6982. | 10.0 | 175 |
| 21 | Characterization of Atmospheric Aerosols at a Forested Site in Central Europe. <i>Environmental Science & Technology</i> , 2009, 43, 4665-4671. | 10.0 | 100 |
| 22 | Characterization of organosulfates from the photooxidation of isoprene and unsaturated fatty acids in ambient aerosol using liquid chromatography/electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2008, 43, 371-382. | 1.6 | 222 |
| 23 | Arabitol and mannitol as tracers for the quantification of airborne fungal spores. <i>Atmospheric Environment</i> , 2008, 42, 588-593. | 4.1 | 306 |
| 24 | Polar organic marker compounds in PM _{2.5} aerosol from a mixed forest site in western Germany. <i>Chemosphere</i> , 2008, 73, 1308-1314. | 8.2 | 119 |
| 25 | Organosulfate Formation in Biogenic Secondary Organic Aerosol. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8345-8378. | 2.5 | 594 |
| 26 | Evidence for the Existence of Organosulfates from α -Pinene Ozonolysis in Ambient Secondary Organic Aerosol. <i>Environmental Science & Technology</i> , 2007, 41, 6678-6683. | 10.0 | 284 |
| 27 | Evidence for Organosulfates in Secondary Organic Aerosol. <i>Environmental Science & Technology</i> , 2007, 41, 517-527. | 10.0 | 591 |
| 28 | Levoglucosan levels at background sites in Europe for assessing the impact of biomass combustion on the European aerosol background. <i>Journal of Geophysical Research</i> , 2007, 112, . | 3.3 | 374 |
| 29 | 2-Methylglucuronic acid: An atmospheric tracer for terpene secondary organic aerosol. <i>Geophysical Research Letters</i> , 2007, 34, . | 4.0 | 268 |
| 30 | Characterization of 2-methylglyceric acid oligomers in secondary organic aerosol formed from the photooxidation of isoprene using trimethylsilylation and gas chromatography/ion trap mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2007, 42, 101-116. | 1.6 | 125 |
| 31 | Chemical Composition of Secondary Organic Aerosol Formed from the Photooxidation of Isoprene. <i>Journal of Physical Chemistry A</i> , 2006, 110, 9665-9690. | 2.5 | 611 |
| 32 | Characterization of oxygenated derivatives of isoprene related to 2-methyltetrols in Amazonian aerosols using trimethylsilylation and gas chromatography/ion trap mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 1343-1351. | 1.5 | 145 |
| 33 | Formation of Secondary Organic Aerosols Through Photooxidation of Isoprene. <i>Science</i> , 2004, 303, 1173-1176. | 12.6 | 1,316 |
| 34 | Formation of secondary organic aerosols from isoprene and its gas-phase oxidation products through reaction with hydrogen peroxide. <i>Atmospheric Environment</i> , 2004, 38, 4093-4098. | 4.1 | 333 |
| 35 | Fragmentation study of diastereoisomeric 2-methyltetrols, oxidation products of isoprene, as their trimethylsilyl ethers, using gas chromatography/ion trap mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 1787-1797. | 1.5 | 37 |
| 36 | Improved Method for Quantifying Levoglucosan and Related Monosaccharide Anhydrides in Atmospheric Aerosols and Application to Samples from Urban and Tropical Locations. <i>Environmental Science & Technology</i> , 2002, 36, 747-753. | 10.0 | 184 |

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|----|--|-----|-----------|
| 37 | Organic compounds in urban aerosols from Gent, Belgium: Characterization, sources, and seasonal differences. <i>Journal of Geophysical Research</i> , 2002, 107, ICC 5-1-ICC 5-12. | 3.3 | 57 |
| 38 | Development of a gas chromatographic/ion trap mass spectrometric method for the determination of levoglucosan and saccharidic compounds in atmospheric aerosols. Application to urban aerosols. <i>Journal of Mass Spectrometry</i> , 2002, 37, 1249-1257. | 1.6 | 179 |