

Environmental Science: Atmospheres

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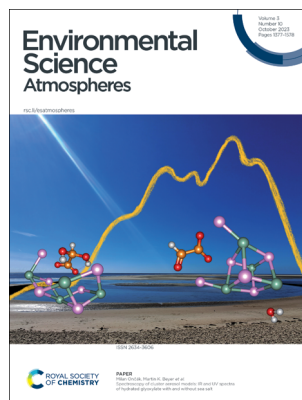
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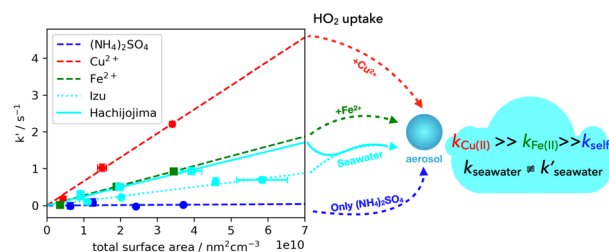
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PAPERS

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Investigation of HO₂ uptake onto Cu(II)- and Fe(II)-doped aqueous inorganic aerosols and seawater aerosols using laser spectroscopic techniques

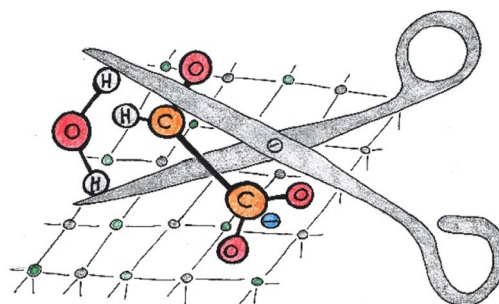
Jiaru Li, Yosuke Sakamoto,* Kei Sato, Yu Morino and Yoshizumi Kajii*



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Spectroscopy of cluster aerosol models: IR and UV spectra of hydrated glyoxylate with and without sea salt

Nina K. Bersenkowitsch, Sarah J. Madlener, Jakob Heller, Christian van der Linde, Milan Ončák* and Martin K. Beyer*



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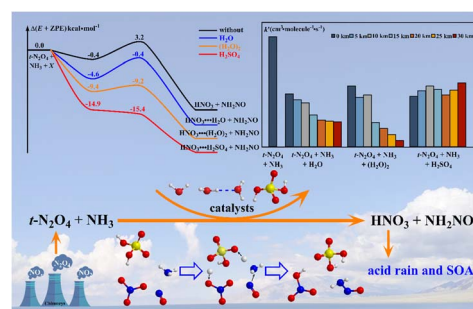
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A possible atmospheric source of HNO_3 : the ammonolysis reaction of $t\text{-N}_2\text{O}_4$ in the presence of water monomer, water dimer, and sulfuric acid

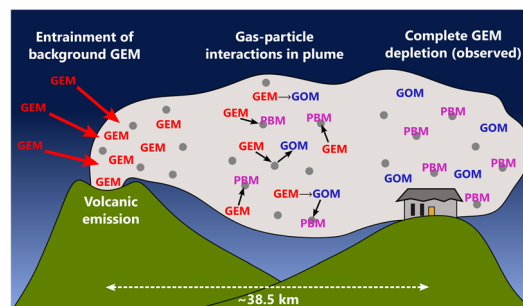
Ruxue Mu, Weixin Zhou, Zhaozhao Hong, Rui Wang, Quan Liu, Qiang Zhang, Min Jiang, Balaganesh Muthiah and Tianlei Zhang*



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Observed in-plume gaseous elemental mercury depletion suggests significant mercury scavenging by volcanic aerosols

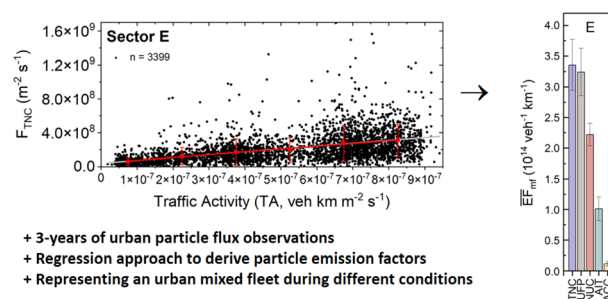
Alkuin M. Koenig, Olivier Magand, Clemence Rose, Andrea Di Muro, Yuzo Miyazaki, Aurelie Colomb, Matti Rissanen, Christopher F. Lee, Theodore K. Koenig, Rainer Volkamer, Jerome Brioude, Bert Verreyken, Tjarda Roberts, Brock A. Edwards, Karine Sellegri, Santiago Arellano, Philippe Kowalski, Alessandro Aiuppa, Jeroen E. Sonke and Aurélien Dommergue



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Real world ultrafine particle emission factors for road-traffic derived from multi-year urban flux measurements using eddy covariance

Agnes Straaten, Minh-Hien Nguyen and Stephan Weber*

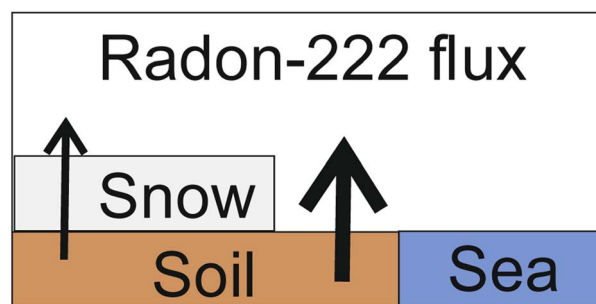


+ 3-years of urban particle flux observations
+ Regression approach to derive particle emission factors
+ Representing an urban mixed fleet during different conditions

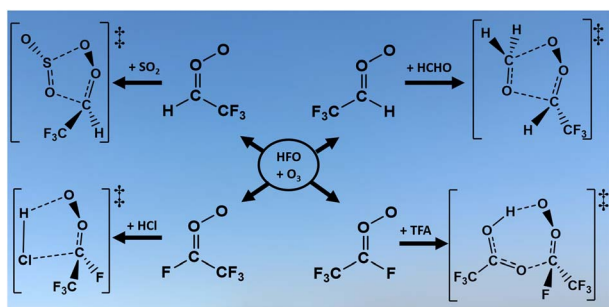
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Outdoor radon-222 in Arctic Finland

Jussi Paatero,* Juha Hatakka and Timo H. Virtanen



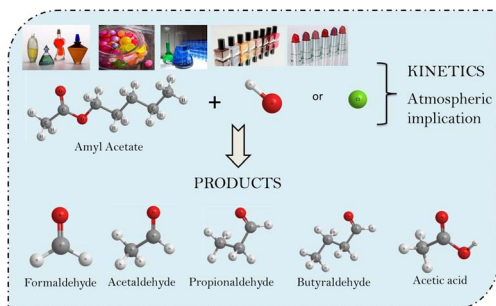
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Nathan A. I. Watson* and Joseph M. Beames

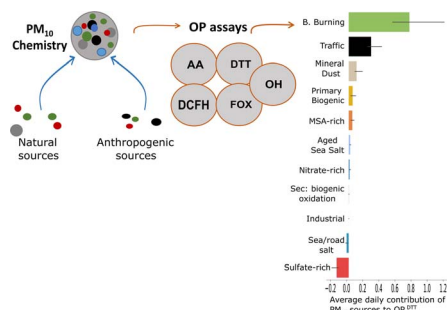
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OH and Cl radicals initiated oxidation of amyl acetate under atmospheric conditions: kinetics, products and mechanisms

Vianni G. Straccia C., María B. Blanco and Mariano A. Teruel*

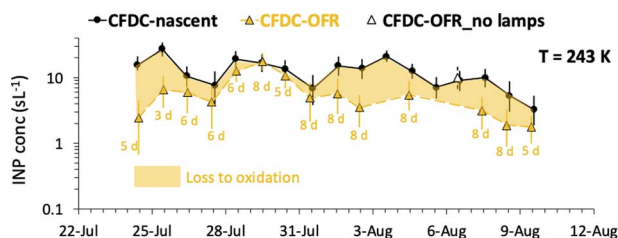
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Atmospheric oxidation impact on sea spray produced ice nucleating particles

Paul J. DeMott*, Thomas C. J. Hill, Kathryn A. Moore, Russell J. Perkins, Liora E. Mael, Heidi L. Busse, Hansol Lee, Chathuri P. Kaluarachchi, Kathryn J. Mayer, Jonathan S. Sauer, Brock A. Mitts, Alexei V. Tivanski, Vicki H. Grassian, Christopher D. Cappa, Timothy H. Bertram and Kimberly A. Prather

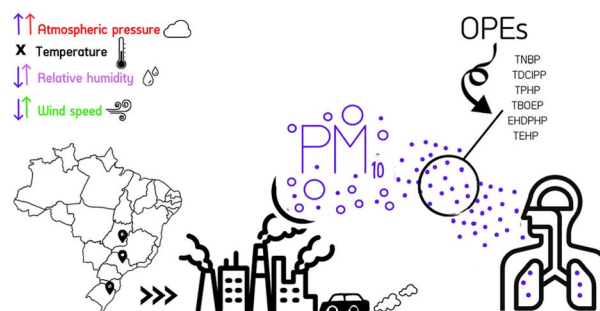


PAPERS

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Organophosphate esters (OPEs) in atmospheric particulate matter in different Brazilian regions

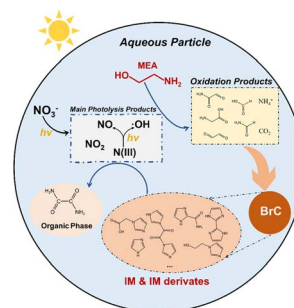
Priscila Boleta Gonçalves, Joyce Cristale, Amanda Araújo da Silva, Danilo Covaes Nogarotto, Daniela Montanari Migliavacca Osório, Lincoln Lucilio Romualdo and Simone Andréa Pozza*



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Monoethanolamine decay mediated by photolysis of nitrate in atmospheric particles: a brown carbon and organic phase formation pathway

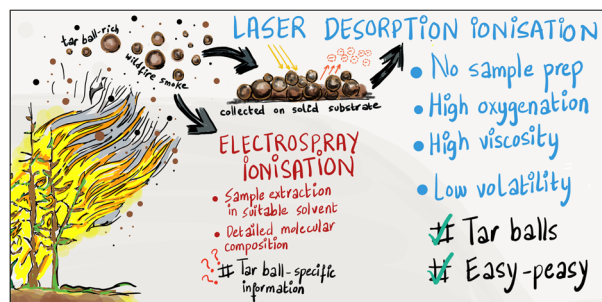
Xiaomeng Tian, Ruifeng Zhang, Bo Wei, Yalin Wang, Yongjie Li and Chak K. Chan*



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Molecular and physical composition of tar balls in wildfire smoke: an investigation with complementary ionisation methods and 15-Tesla FT-ICR mass spectrometry

Amna Ijaz,* William Kew, Zezhen Cheng, Susan Mathai, Nurun Nahar Lata, Libor Kovarik, Simeon Schum, Swarup China and Lynn R. Mazzoleni*



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