

Carbon oxidation state as a metric for describing the ch aerosol

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Citation Report

#	ARTICLE	IF	CITATIONS
3	Composition and temporal behavior of ambient ions in the boreal forest. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 8513-8530.	1.9	170
4	Characterization and Source Apportionment of Water-Soluble Organic Matter in Atmospheric Fine Particles (PM _{2.5}) with High-Resolution Aerosol Mass Spectrometry and GC-MS. <i>Environmental Science & Technology</i> , 2011, 45, 4854-4861.	4.6	114
5	Particle-Phase Chemistry of Secondary Organic Material: Modeled Compared to Measured O:C and H:C Elemental Ratios Provide Constraints. <i>Environmental Science & Technology</i> , 2011, 45, 4763-4770.	4.6	167
6	Cloud condensation nuclei (CCN) activity and oxygen-to-carbon elemental ratios following thermodenuder treatment of organic particles grown by α -pinene ozonolysis. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 14571.	1.3	22
7	Heterogeneous oxidation kinetics of organic biomass burning aerosol surrogates by O ₃ , NO ₂ , N ₂ O ₅ , and NO ₃ . <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 21050.	1.3	90
8	Formation of Secondary Organic Aerosol from the Direct Photolytic Generation of Organic Radicals. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1295-1300.	2.1	10
9	Variations in organic aerosol optical and hygroscopic properties upon heterogeneous OH oxidation. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	129
10	Competitive reaction pathways for functionalization and volatilization in the heterogeneous oxidation of coronene thin films by hydroxyl radicals and ozone. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 7554.	1.3	30
11	Calculation of the Relative Chemical Stabilities of Proteins as a Function of Temperature and Redox Chemistry in a Hot Spring. <i>PLoS ONE</i> , 2011, 6, e22782.	1.1	36
12	Effects of aging on organic aerosol from open biomass burning smoke in aircraft and laboratory studies. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 12049-12064.	1.9	520
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15	Fragmentation vs. functionalization: chemical aging and organic aerosol formation. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 10553-10563.	1.9	89
16	Seasonal and diurnal variations of particulate nitrate and organic matter at the IfT research station Melpitz. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 12579-12599.	1.9	81
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18	Explicit modeling of organic chemistry and secondary organic aerosol partitioning for Mexico City and its outflow plume. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 13219-13241.	1.9	65
19	Changes in organic aerosol composition with aging inferred from aerosol mass spectra. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 6465-6474.	1.9	493
20	Explicit modelling of SOA formation from α -pinene photooxidation: sensitivity to vapour pressure estimation. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 6895-6910.	1.9	116

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23	Elemental composition and oxidation of chamber organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 8827-8845.	1.9	190
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28	Glass transition and phase state of organic compounds: dependency on molecular properties and implications for secondary organic aerosols in the atmosphere. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 19238.	1.3	585
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31	Interpretation of Secondary Organic Aerosol Formation from Diesel Exhaust Photooxidation in an Environmental Chamber. <i>Aerosol Science and Technology</i> , 2011, 45, 964-972.	1.5	57
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36	Aging of biogenic secondary organic aerosol via gas-phase OH radical reactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13503-13508.	3.3	251
38	Liquid-liquid phase separation and morphology of internally mixed dicarboxylic acids/ammonium sulfate/water particles. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 2691-2712.	1.9	161
39	Spectral absorption of biomass burning aerosol determined from retrieved single scattering albedo during ARCTAS. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 10505-10518.	1.9	41

#	ARTICLE	IF	CITATIONS
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48	Halogenation processes of secondary organic aerosol and implications on halogen release mechanisms. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 5787-5806.	1.9	31
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75	Average chemical properties and potential formation pathways of highly oxidized organic aerosol. <i>Faraday Discussions</i> , 2013, 165, 181.	1.6	46

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#	ARTICLE	IF	CITATIONS
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