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Seasonal variability of ultra-fine metals downwind of a heavily traveled secondary road

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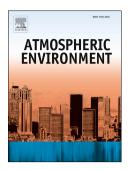
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Highlights

- Ultra-fine transition metals were measured downwind of a road
- Concentrations were < 10% at a suburban site 500 m upwind
- The sources of the metals were brake wear and zinc in lubricating oil
- Similar ultra-fine metals associate with ischemic heart disease in California
- Concentrations decreased sharply (~ x 0.1) as one went from winter into spring

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