



Dr Adam Trevitt

Position: Lecturer

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Research Interests

Radical–Neutral gas phase chemistry
Biodiesel–fuel combustion chemistry
Chemistry of extraterrestrial atmospheres (Titan)
Synchrotron photoionization mass spectrometry
Single microparticle/microdroplet laser–based characterisation

Research website: <http://www.uow.edu.au/~adamt>

Representative Publications

Trevitt, A. J.; Goulay, F.; Taatjes, C. A.; Osborn, D. L.; Leone, S. R., *Reactions of the CN Radical with Benzene and Toluene: Product Detection and Low-Temperature Kinetics*, *Journal of Physical Chemistry A* **2010**, *114*, 1749.

Soorkia, S.; **Trevitt, A. J.**; Selby, T. M.; Osborn, D. L.; Taatjes, C. A.; Wilson, K. R.; Leone, S. R., *Reaction of the C₂H radical with 1-butene (C₄H₆): Low Temperature Kinetics and Isomer-Specific Product Detection*, *Journal of Physical Chemistry A* **2010**, *114*, 3340.

Trevitt, A. J.; Wearne, P. J.; Bieske, E. J., *Coalescence of levitated polystyrene microspheres*, *Journal of Aerosol Science* **2009**, *40*, 431.

Goulay, F.; **Trevitt, A. J.**; Meloni, G.; Selby, T. M.; Osborn, D. L.; Taatjes, C. A.; Vereecken, L.; Leone, S. R., *Cyclic Versus Linear Isomers Produced by Reaction of the Methylidyne Radical (CH) with Small Unsaturated Hydrocarbons*, *Journal of the American Chemical Society* **2009**, *131*, 993.



Taatjes, C. A.; Meloni, G.; Selby, T. M.; **Trevitt, A. J.**; Osborn, D. L.; Percival, C. J.; Shallcross, D. E., *Direct observation of the gas-phase Criegee intermediate (CH₂OO)*, *Journal of the American Chemical Society* **2008**, *130*, 11883.

[Searchable Publications List](#)

Current Students

Suggested Topics for Future Students

[Suggested projects](#)

Abbreviated CV

- 2002 B. Science (Hons), The University of Adelaide
- 2006 PhD Chemistry, The University of Melbourne
Supervisor: A/Prof. Evan J. Bieske.
- 2007–2008 Postdoctoral Scientist, School of Chemistry and Lawrence
Berkeley National Laboratory, The University of California,
Berkeley. Supervisor: Prof. Stephen R. Leone.
- 2008 Lecturer, School of Chemistry, University of Wollongong