

## List of publications – Timo Nousiainen

27 April 2016

### 10 most relevant papers for the project

1. **Nousiainen, T.** (2009). Optical modeling of mineral dust particles: A review. *J. Quant. Spectrosc. Radiat. Transfer*, **110**, 1261–1279, doi:10.1016/j.jqsrt2009.03.002.
2. **Nousiainen, T.**, Kahnert, M., and Lindqvist, H. (2011). Can particle shape information be retrieved from light scattering observations using spheroidal model particles? *J. Quant. Spectrosc. Radiat. Transfer*, **112**, 2213–2225, doi:10.1016/j.jqsrt.2011.05.008.
3. Mauno, P., McFarquhar, G.M., Räisänen, P., Kahnert, M., Timlin, M.S., and **Nousiainen, T.** (2011). The influence of observed cirrus microphysical properties on shortwave radiation: a case study over Oklahoma. *J. Geophys. Res.*, **116**, D22208, doi:10.1029/2011JD016058.
4. Räisänen, P., Haapanala, P., Chung, C.E., Kahnert, M., Makkonen, R., Tonttila, J., and **Nousiainen, T.** (2013). Impact of dust particle non-sphericity on climate simulations. *Q. J. R. Meteorol. Soc.*, **139**, 2222–2232, doi:10.1002/qj.2084.
5. Kylling, A., Kahnert, M., Lindqvist, H., and **Nousiainen, T.** (2014). Volcanic ash infrared signature: Realistic ash particle shapes compared to spherical ash particles. *Atmos. Meas. Tech.*, **7**, 919–929, doi:10.5194/amt-7-919-2014.
6. Kahnert, M., **Nousiainen, T.**, and Lindqvist, H. (2014). Review: Model particles in atmospheric optics. *J. Quant. Spectrosc. Radiat. Transfer*, **146**, 41–58, doi:10.1016/j.jqsrt.2014.02.014.
7. **Nousiainen, T.** and Kandler, K. (2015): Light scattering by atmospheric mineral dust particles . In Kokhanovsky, A.A. (ed.), *Light Scattering Reviews*, **Vol 9**, Chapter 1, Springer 430 pp.
8. Räisänen, P., Kokhanovsky, A., Guyot, G., Jourdan, O., and **Nousiainen, T.** (2015). Parameterization of single-scattering properties of snow. *The Cryosphere*, **9**, 1277–1301, doi:10.5194/tc-9-1277-2015.
9. Kempainen, O., **Nousiainen, T.**, Merikallio, S. and Räisänen, P. (2015). Retrieving microphysical properties of dust-like particles using ellipsoids: the case of refractive index. *Atmos. Chem. Phys.* **15**, 11117–11132, doi:10.5194/acp-15-11117-2015.
10. Kahnert, M., **Nousiainen, T.**, and Markkanen, J. (2016): Morphological models for inhomogeneous particles: light scattering by aerosols, cometary dust, and living cells. In Kokhanovsky, A.A. (ed.), *Light Scattering Reviews*, Vol 11, (In press).

Full publication list: <http://www.researcherid.com/rid/A-7982-2008>