

List of Publications

Ph.D. Dissertation

1. Viisanen Y, (1991), Experimental Study of Binary Nucleation in the Water *n*-Propanol Vapor Mixture, *Commentationes PHYSICO-MATHEMATICAE et Chemico-Medicae*, No. 133, (The Finnish Society of Sciences and Letters, Helsinki, Finland), Ph.D.Thesis, 61 p.

Peer reviewed feature and review articles

2. Strey R, Wagner P.E, Viisanen Y, (1992), Homogeneous Nucleation Rates of Particle Formation from Vapor Mixtures, invited review article, in *Nucleation and Atmospheric Aerosols*, edited by N. Fukuta and P.E. Wagner (A. Deepak Publishing, Hampton), pp. 111-120.
3. Strey R., Wagner P.E, Viisanen Y, (1994), The Problem of Measuring Homogeneous Nucleation Rates and the Molecular Contents of Nuclei: Progress in the Form of Nucleation Pulse Measurements, invited feature article, *Journal of Physical Chemistry*, Vol. **98**, No. 32, pp. 7748-7758.

Peer reviewed journal articles

4. Viisanen Y, Hatakka J, Ahonen S, Kulmala M, (1989), Measurement of Particulate Carbon in Atmospheric Aerosol in Helsinki, *Aerosol Science and Technology*, Vol. **10**, No. 1, pp. 224-229.
5. Viisanen, Y., Strey, R., Reiss, H., 1993, Homogeneous nucleation rates for water, *Journal of Chemical Physics*, Vol. **99**, No. 6, pp. 4680-4692.
6. Strey R, Viisanen Y, (1993), Measurement of molecular content of binary nuclei. Use of the nucleation rate surface for ethanol-hexanol, *Journal of Chemical Physics*, Vol. **99**, No. 6, pp. 4693-4704.
7. Viisanen Y, Strey R, Laaksonen A, Kulmala M, (1994), Measurement of molecular content of binary nuclei, II: Use of the nucleation rate surface for ethanol-water, *Journal of Chemical Physics*, Vol. **100**, No. 8, pp. 6062-6072.
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9. Strey R, Viisanen Y, Wagner, P.E, (1995), Measurement of molecular content of binary nuclei. III: Use of the nucleation rate surface for water-*n*-alcohol series, *Journal of Chemical Physics*, Vol. **103**, No. 10, pp. 4333-4345.
10. Hrub, J, Viisanen Y, Strey R, (1996), Homogeneous nucleation rates for *n*-pentanol in argon: Determination of the critical cluster size, *Journal of Chemical Physics*, Vol. **104**, No. 13, pp. 5181-5187.
11. Viisanen Y, Strey R, (1996), Composition of critical clusters in ternary nucleation of water - *n*-nonane - *n*-butanol, *Journal of Chemical Physics*, Vol. **105**, No. 18, pp. 8293-8299.
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13. Viisanen Y, Kulmala M, Laaksonen A, (1997), Experiments on gas-liquid nucleation of sulfuric acid and water, *Journal of Chemical Physics*, Vol. **107**, No. 3, pp. 920-926.
14. Viisanen Y, Wagner P.E, Strey R, (1998), Measurement of molecular content of binary nuclei. IV: Use of the nucleation rate surface for *n*-nonane-*n*-alcohol series, *Journal of Chemical Physics*, Vol. **108**, No. 10, pp. 4257-4266.
15. Paatero J, Hatakka J, Mattsson R, Viisanen, Y, (1998), Analysis of daily lead-210 air concentrations in Finland 1967-1996, *Radiation Protection Dosimetry*, Vol. **77**, No. 3, pp. 191-198.
16. Hatakka J, Paatero J, Viisanen Y., Mattsson R, (1998), Variations of External Radiation Due to Meteorological and Hydrological Factors in Central Finland, *Radiochemistry*, Vol. **40**, No. 6, pp. 534-538.

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