



Posters list

1. Observation of coating on TiO₂ nanoparticles by Surface-Enhanced Raman Scattering

Sayed Amininejad, R. Niessner and T. Baumann

2. Long-term behaviour of nanoparticles after a 9-month low dose chronic addition in simulated freshwater wetlands

Astrid Avellan, M. Simonin, B. Colman, J. Cooper, N. Geitner, E. Bernhardt, C. Matson, M. Wiesner, J. Unrine and G. V. Lowry

3. Fate and outcomes of silver nanoparticles release from nanocomposite ultrafiltration membranes

Ahnna Beruk and M.R. Wiesner

4. Environmental fate and transport of titanium dioxide nanoparticles in municipal wastewater effluent in outdoor stream mesocosms

Benjamin T. Castellon, L.F. Baker, P.S. Watkins, G.P. Cobb, R.S. King and C.W. Matson

5. Detecting nanomaterial release from nanocomposites in natural outdoor weather

Katie Challis, R. Lankone, L. Gilbertson, Y. Bi, P. Westerhoff, D.H. Fairbrother and J.F. Ranville

6. Eco-interactions of negatively charged nanoparticles in natural seawater and implication for toxicity

Giacomo Grassi, E. Bergami, C. Faleri, L. Manfra, A. Atrei, M.P. Monopoli, A. Salvati, K. A. Dawson and I. Corsi

7. Enhancing the transport of polymer coated nZVI by aquifer modification with sodium humate

V. Micić, D. Schmid, N. Bossa, A. Gondikas, M. Velimirovic, F.v.d. Kammer, M.R. Wiesner and Thilo Hofmann

8. AF4-UV-MALS-ICP-MS for trace level analysis of micro- and nanoparticles in Lake Constance water

Florian Meier, E. Moldenhauer, T. Pfaffe and T. Klein

9. Unraveling the complexity in the aging of nanoenhanced textiles: a comprehensive sequential study on the effects of sunlight, washing and landfilling

Denise M. Mitrano, E. Lombi, Y. A. R. Dasilva and B. Nowack

10. Releases from transparent blue automobile coatings containing nanoscale copper phthalocyanine and their effects on macrophages

Chengfang Pang, N. Neubauer, M. Boyles, D. Brown, N. Kanase, D. Hristozov, T. Fernandes, V. Stone, W. Wohlleben and A. Marcomini

11. Influence of earthworms on the transport and distribution of silver nanoparticles in soil

Eva Penssler, W. Kathmann, J. Lange, H.M. Maes, M. Roß-Nickoll and A. Schäffer

12. The impact of multiwalled carbon nanotubes on toxicity and bioaccumulation of triclocarban in the freshwater algae *Desmodesmus subspicatus*

Irina Politowski, M. P. Hennig, A. Schäffer and H.M. Maes

13. Effects of adsorptive properties of sludge on engineered nanoparticles (Ag, TiO₂, ZnO) during anaerobic digestion process (methane production)

Anahita Rahimi and J. Hansen

14. Acute exposure to Co₃O₄ and Mn₂O₃ nanoparticles induces elevated metal body burden in *D. magna* without affecting its viability or feeding

M. Heinlaan, M. Muna, K. Juganson, O. Oriekhova, S. Stoll, A. Kahru and **Vera I. Slaveykova**

15. Surface coating determines silver nanoparticles fate in lake water

Javier Jiménez-Lamana and **Vera I. Slaveykova**

16. TiO₂ nanoparticles in sunscreens using asymmetric flow field-flow fractionation hyphenated to ICPMS: from mass based to number based particle size distribution

M. Velimirovic, S. Wagner, M. Gräf, M. Ehler, F.A. Monikh, **Frank von der Kammer** and T. Hofmann

17. Estimation of mass fluxes of anthropogenic nanomaterials in the environment

Stephan Wagner, Sandra Baur, H.-J. Stärk and T. Reemtsma

18. Cloud point extraction allows insight into the occurrence of silver nanoparticles in natural water bodies

A. Wimmer, **Florian Weigl** and M. Schuster

19. Assessment of catalytic and inhibitory effects of engineered nanoparticles on sewage sludge combustion using thermo-gravimetric analysis

Jonas Wielinski, C. Mueller, E. Morgenroth, A. Voegelin and R. Kaegi

20. Aggregation kinetics of TiO₂ and Ag nanoparticles in soil solution

Lisa Zehlike, R. Ellerbrock, and S. Klitzke

21. Biotransformation of ceria nanoparticles in cucumber plants

*Yuhui Ma, Peng Zhang, Jing Zhang, Zhi Guo and **Zhiyong Zhang***