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Publications in peer-review Journals:

1. Saravia, F., Klüpfel, A., Richard, A.Z. Frimmel, F.H.(2013). Identification of nanofiltration fouling layer constituents. *Desalination and Water Treatment: 1-8*, doi 10.1080/19443994.2013.778794
2. Saravia, F., Zwiener, C., Frimmel, F.H.(2012). Influence of PAC properties on membrane performance in a PAC-UF hybrid system. *Water Science & Technology: Water Supply 12(4): 496 -503*.
3. Ziegmann, M., Saravia, F., Torres, P.A., Frimmel, F.H. (2010). The hybrid process TiO₂/PAC: performance of membrane filtration. *Water Science & Technology, 62(5), 1205-1212*.
4. Saravia, F., Frimmel, F.H.(2008). Role of NOM in the performance of adsorption-membrane hybrid systems applied for the removal of pharmaceuticals. *Desalination 224, 168-171*.
5. Saravia, F., Zwiener, C., Frimmel, F.H.(2007). Application of submerged membranes for the treatment of spent filter backwash water. *Water Science & Technology 7, No 5-6, 157-165*.
6. Saravia, F., Naab, P., Frimmel, F. H. (2006). Influence of particle size and particle size distribution on membrane-adsorption hybrid systems. *Desalination 200, 446-448*.
7. Saravia, F., Zwiener, C., Frimmel, F.H.(2006). Interactions between membrane surface, dissolved organic matter substances and ions in submerged membrane filtration. *Desalination, 192, 280-287*.
8. Frimmel, F. H., Saravia, F., Gorenflo, A.(2004). NOM removal from different raw waters by membrane filtration. *Water Science & Technology 4, 165-174*.
9. Schmitt, D., Saravia, F., Frimmel, F. H., Schuessler, W. (2003). NOM-facilitated transport of metal ions in aquifers: Importance of complex-dissociation kinetics and colloid formation. *Water Research 37 (15), 3541-3550*.

Oral Presentations at international conferences:

1. Saravia, F. (2014). Investigation of scaling and fouling in MD and comparison with scaling in RO. *DME Seminar: Membrane Distillation, Freiburg, Germany.*
2. Peng, D., Saravia, F., Abbt-Braun, G. Horn, H. (2014). Application of nanofiltration in swimming pool water Treatment. *10th International Congress on Membranes and Membrane Processes (ICOM) Suzhou, China.*
3. Düver, D., Lehmann, K., Saravia, F., Winter, D., Koschikowski, J., Horn, H. (2014). Desalination using membrane distillation: influence of scale formation on process performance and module lifetime. *Desalination for the Environment, Clean Water & Energy, Limassol, Cyprus.*
4. Saravia, F., Eisenbart, F., Horn, H. (2013). Magnetic treatment to reduce scaling in the membrane filtration. *Aachener Tagung Wasser und Membranen, Aachen, Germany.*
5. Saravia, F., Marei, A., Frimmel, F.H. (2012). Nanofiltration for partial desalination in Palestine: perspectives and limitations. *IWRM Conference, Karlsruhe, Germany.*
6. Saravia, F., Zwiener, C., Frimmel, F.H. (2011). Influence of PAC properties on membrane performance in a PAC-UF hybrid system. *6th IWA Specialist Conference on Membrane Technology, Aachen, Germany.*
7. Saravia, F., Zwiener, C., Frimmel, F.H. (2008). Schadstoffabtrennung und Performance mit dem Hybridverfahren Ultrafiltration-Aktivkohle. *Processnet Jahrestagung, Karlsruhe, Germany.*
8. Saravia, F., Zwiener, C., Frimmel, F.H. (2008). Entfernung von Arzneimittelrückständen mit dem Kombinationsverfahren Aktivkohleadsorption-Membranreinigung. *DECHEMA/DWA, Industrietage-Wassertechnik, Frankfurt am Main, Germany.*
9. Saravia, F., Zwiener, C., Frimmel, F.H. (2007). Application of submerged membranes for the treatment of spent filter backwash water. *2nd IWA National Young Water Professionals Conference: "Membrane Technologies for Wastewater Treatment and Reuse", Berlin, Germany.*
10. Saravia, F., Zwiener, C., Frimmel, F. H. (2006). Removal of dissolved organic matter by submerged membrane filtration - influence of charge repulsion and ionic strength. *13th Meeting of the International Humic Substances Society, Karlsruhe, Germany.*
11. Saravia, F., Naab, P., Frimmel, F.H. (2006). Removal of pharmaceuticals using membrane-adsorption hybrid systems: the role of NOM and particles. *Third Late Summer Workshop of the Water Chemical Society. Maurach, Germany*
12. Saravia, F., Zwiener, C. Frimmel, F. H. (2005). Der Einfluss von Ladung und Ionenstärke auf den Membranrückhalt. *6. Aachener Tagung, Siedlungswasserwirtschaft und Verfahrenstechnik, Aachen, Germany.*
13. Saravia, F., Zwiener, C., Frimmel, F.H. (2005). Interactions between membrane surface, dissolved organic matter substances and ions in submerged membrane filtration. *International Congress on Membranes and Membrane Processes (ICOM), Seoul, Korea.*
14. Saravia, F., Zwiener, C., Frimmel, F.H. (2004). Filtrerrückspülwasser-Charakterisierung und Aufbereitung mittels Membranfiltration. *Jahrestagung der Wasserchemische Gesellschaft, Bad Saarow, Germany.*

15. Saravia, F., Lankes, U., Gorenflo, A., Frimmel, F. H. (2003). Untersuchung des Membranfoulings mit NMR-Spektroskopie. 5. *Aachener Tagung, Siedlungswasserwirtschaft und Verfahrenstechnik, Aachen, Germany*.
16. Saravia, F., Frimmel, F.H. (2003). The Role of Natural Organic Matter in the Treatment of Spent Filter Backwash Water with Membrane Technologies. *BMBF-MOS Cooperation in Water Technology, 8th Status Seminar, Dead Sea, Israel*.

Poster Presentations conferences:

1. Pohlisch, C., Wybult, M., Kaminska, A., Winter, D., Saravia, F., Horn, H., Koschikowski, J. (2015). Applying an Automated Method for Characterizing the LEP of MD Membranes. *2nd International Workshop on Membrane Distillation and Innovating Membrane Operations in Desalination and Water Reuse, Ravello, Italy*.
2. Peng, D., West, D., Saravia, F., Abbt-Braun, G., Horn, H. (2014). Analyzing the Chlorine-Resistance of Nanofiltration Membranes. *Aachener Membran Kolloquium (AMK), Aachen, Germany*.
3. Peng, D., Saravia, F., Abbt-Braun, G., Horn, H. (2014). DBP formation in swimming pool water and application potential of Nanofiltration. *DBP 2014: Disinfection By-products in drinking water, Mülheim an der Ruhr, Germany*.
4. Saravia, F., Feinauer, F., Frimmel, F.H., Horn, H. (2013). Magnetische Vorbehandlung für die Minimierung von Scaling bei der Brackwasseraufbereitung. *Jahrestagung der Wasserchemische Gesellschaft, Goslar, Germany*.
5. Saravia, F., Marei, A., Frimmel, F.H. (2012). Nanofiltration for partial desalination in Palestine: perspectives and limitations. *IWRM Conference, Karlsruhe, Germany*.
6. Frimmel, F.H., Abbt-Braun, G., Flexer, A., Guttman, J., Imbar, N., Salameh, E., Saravia, F., Seder, N., Yellin-Dror, A. (2011). Desalination of brackish water for the Lower Jordan Rift Valley: potential and limitations. *IWRM Conference, Dresden, Germany*.
7. Saravia, F., Frimmel, F.H. (2008). Interactions between membrane surface, dissolved organic substances and ions in submerged membrane. *Fourth Late Summer Workshop of the Water Chemical Society, Maurach, Germany*.
8. Saravia, F., Frimmel, F.H. (2007). Role of NOM in the performance of adsorption-membrane hybrid systems applied for the removal of pharmaceuticals. *11th Aachener Membran Kolloquium, Aachen, Germany*.
9. Saravia, F., Frimmel, F. H. (2005). Ultrafiltration and adsorption on activated carbon for pharmaceuticals removal. *10. Aachen Membrane Colloquium, Aachen, Germany*.
10. Saravia, F., Zwiener, C., Frimmel, F.H. (2004). Fouling by Immersed Membrane Filtration: The Role of NOM and Ca²⁺. *Euromembrane 2004, Hamburg, Germany*.