

Kongressbeiträge von Dr. Nathalie Benker (geb. Martz)

Vorträge

- K. Kandler, A. Worringen, **N. Benker**, T. Dirsch, S. Mertes, L. Schenk, U. Kästner, F. Frank, B. Nillius, U. Bundke, D. Rose, J. Curtius, P. Kupiszewski, E. Weingartner, P. Vochezer, J. Schneider, S. Schmidt, S. Weinbruch, M. Ebert, „Single-particle characterization of ice-nucleating particles and ice particles residuals sampled by three different techniques“, EGU General Assembly Conference Abstracts, April 12-17, 2015 Vienna, Austria
- S. Weinbruch, M. Ebert, K. Kandler, **N. Benker**, “Characterization of atmospheric aerosol particles by electron microscopy“, XXXVIII Colloquium Spectroscopicum Internationale, June 16 - 20, 2013 Tromsø, Norway
- M. Ebert, A. Worringen, **N. Benker**, S. Weinbruch, „Importance of the mixing state for ice nucleating capabilities of individual aerosol particles“, EGU General Assembly Conference Abstracts, May 02-07, 2010 Vienna, Austria
- F. Scheiba, **N. Benker**, U. Kunz and C. Roth, "Investigation of the Polymer Electrolyte Distribution in Polymer Electrolyte Fuel Cells (PEFC)", 213th ECS Meeting, May 18-22 2008, Phoenix, AZ, USA.
- N. Benker**, G. Miehe, M. Ebert, Y. Thomassen, D. G. Ellingsen, P.A. Drabløs, S. Weinbruch, “Hygroscopic properties of individual aerosol particles and phase composition of ultrafine particles from aluminium smelter potrooms“, 6th Airmon Conference, January 27-31 2008, Geilo, Norway.
- C. Roth, M. Mazurek, **N. Benker**, F. J. Scott, D. E. Ramaker, ‘Active electrocatalysts by modular design’, Russian-German seminar on Catalysis, July 9-12 2007, Novosibirsk, Russia.
- C. Roth, F. Scheiba, **N. Benker**, H. Fuess, ‘Methodische Entwicklungen in der elektronenmikroskopischen Charakterisierung der Membran-Elektroden-Einheit’, Institutsseminar, June 26 2007, Forschungszentrum Jülich, Germany.
- C. Roth, M. Mazurek, F. Scheiba, **N. Benker**, H. Fuess, ‘An X-ray absorption study of Pt-Ru electrocatalysts subjected to different atmospheres’, 233rd ACS, March 25-29 2007, Chicago, USA.
- C. Roth, **N. Benker**, M. Mazurek, F. Scheiba, H. Fuess, “Characterization of fuel cell catalysts: what happens during operation?”, ACHEMA, May 15 2006, Frankfurt am Main, Germany.
- C. Roth, F. Scheiba, **N. Benker**, M. Scholz, L. Cao, C. Cremers, X. Qiu, U. Stimming, H. Fuess, “Developments in the detailed characterization of membrane-electrode assemblies (MEA) for DMFC”, 209th ECS meeting, May 7-12 2006, Denver, USA.
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- C. Roth, **N. Martz**, T. Buhrmester, H. Fuess, "In-situ XAS investigation of Pt-Ru fuel cell catalysts during hydrogen and methanol operation", Society of Chemical Industry (SCI), September 14-17 2003, Conference in Southampton.
- C. Roth, **N. Martz**, I. MacLaren, H. Fuess, "Structure and activity of Pt-based fuel cell catalysts", American Chemical Society (ACS) Meeting, March 23-27 2003, New Orleans, USA.
- T. Buhrmester, C. Roth, **N. Martz**, "In-situ X-ray absorption experiments with a PEM fuel cell in hydrogen and methanol operation mode", Solid State Ionics, December 2-5 2002 Boston, USA.
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Poster (Erstautor)

- N. Benker**, K. Kandler, A. Skogstad, D.G. Ellingsen, B. Berlinger, Y. Thomassen and S. Weinbruch, „Characterization of Soot Particles in Aluminium Smelters by Transmission Electron Microscopy“, 8th Airmon Symposium, June 14-19 2014, Marseille, France
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- N. Benker**, R. Chenitz, C. Roth, H. Fuess "Etude de catalyseurs destines aux piles à combustibles traits sous différentes atmospheres et à différentes températures", Journée d'Electrochimie 2005, July 5-8 2005, Saint-Malo, France.
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- N. Martz**, V. Buschmann, H. Fuess, "TEM investigation for the mechanism characterisation by the MFI zeolite formation", 12. Deutsche Zeolith Tagung, March 1-3 2000, Garching, Germany.
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