

## ADM Papers

D. Hanft, P. Glosse, S. Denneker, T. Berthold, M. Oomen, S. Kauffmann-Weiss, F. Weis, W. Häßler, B. Holzapfel, R. Moos:  
The Aerosol Deposition Method: A Modified Aerosol Generation Unit to Improve Coating Quality  
**open access - free** *Materials*, **11**, 1572 (2018), doi: [10.3390/ma11091572](https://doi.org/10.3390/ma11091572)

D. Hanft, M. Bektas, R. Moos:  
Powder pre-treatment for aerosol deposition of tin dioxide coatings for gas sensors  
**open access - free** *Materials*, **11**, 1342 (2018), doi: [10.3390/ma11081342](https://doi.org/10.3390/ma11081342)

M. Schubert, N. Leupold, J. Exner, J. Kita, R. Moos:  
High-Temperature Electrical Insulation Behavior of Alumina Films Prepared at Room Temperature by Aerosol Deposition and Influence of Annealing Process and Powder Impurities  
*Journal of Thermal Spray Technology*, **27**, 870-879 (2018), doi: [10.1007/s11666-018-0719-x](https://doi.org/10.1007/s11666-018-0719-x)

N. Leupold, M. Schubert, J. Kita, R. Moos:  
Influence of high temperature annealing on the dielectric properties of alumina films prepared by the aerosol deposition method  
*Functional Materials Letters*, **11**, 1850022 (2018), doi: [10.1142/S1793604718500224](https://doi.org/10.1142/S1793604718500224)

M. Schubert, C. Münch, S. Schuurman, V. Poulain, J. Kita, R. Moos:  
Characterization of Nickel Manganite NTC thermistor films prepared by Aerosol Deposition at room temperature  
*Journal of the European Ceramic Society*, **38**, 613-619 (2018), doi: [10.1016/j.jeurceramsoc.2017.09.005](https://doi.org/10.1016/j.jeurceramsoc.2017.09.005)

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Analysis of the characteristics of thick-film NTC thermistor devices manufactured by screen-printing and firing technique and by room temperature aerosol deposition method (ADM)  
*Functional Materials Letters*, **10**, 1750073 (2017), doi: [10.1142/S1793604717500734](https://doi.org/10.1142/S1793604717500734)

M. Schubert, M. Hahn, J. Exner, J. Kita, R. Moos:  
Effect of substrate hardness and surface roughness on the film formation of aerosol-deposited ceramic films  
*Functional Materials Letters*, **10**, 1750045 (2017), doi: [10.1142/S179360471750045X](https://doi.org/10.1142/S179360471750045X)

D. Hanft, J. Exner, R. Moos:  
Thick-films of garnet-type lithium ion conductor prepared by the Aerosol Deposition Method: The role of morphology and annealing treatment on the ionic conductivity  
*Journal of Power Sources*, **361**, 61-69 (2017), doi: [10.1016/j.jpowsour.2017.06.061](https://doi.org/10.1016/j.jpowsour.2017.06.061)

S. Kauffmann-Weiss, W. Häßler, E. Guenther, J. Scheiter, S. Denneker, P. Glosse, T. Berthold, M. Oomen, T. Arndt, T. Stöcker, D. Hanft, R. Moos, M. Weiss, F. Weis, B. Holzapfel:  
Superconducting properties of thick films on Hastelloy prepared by the Aerosol Deposition Method with ex-situ MgB<sub>2</sub> powder  
*IEEE Transactions on Applied Superconductivity*, **27**, 6200904 (2017), doi: [10.1109/TASC.2017.2669479](https://doi.org/10.1109/TASC.2017.2669479)

F. Panzer, D. Hanft, T.P. Gujar, F.-J. Kahle, M. Thelakkat, A. Köhler, R. Moos:  
Compact Layers of Hybrid Halide Perovskites Fabricated via the Aerosol Deposition Process – Uncoupling Material Synthesis and Layer Formation  
**open access - free** *Materials*, **9**, 277 (2016), doi: [10.3390/ma9040277](https://doi.org/10.3390/ma9040277)

T. Stöcker, J. Exner, M. Schubert, M. Streibl, R. Moos:  
Influence of Oxygen Partial Pressure during Processing on the Thermoelectric Properties of Aerosol-Deposited CuFeO<sub>2</sub>  
**open access - free** *Materials*, **9**, 227 (2016), doi: [10.3390/ma9040227](https://doi.org/10.3390/ma9040227)

J. Exner, M. Schubert, D. Hanft, T. Stöcker, P. Fuierer, R. Moos:  
Tuning of the electrical conductivity of Sr(Ti,Fe)O<sub>3</sub> oxygen sensing films by aerosol co-deposition with Al<sub>2</sub>O<sub>3</sub>  
*Sensors and Actuators B: Chemical*, **230**, 427-433 (2016), doi: [10.1016/j.snb.2016.02.033](https://doi.org/10.1016/j.snb.2016.02.033)

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An Overview of the Aerosol Deposition Method: Process Fundamentals and New Trends in Materials Applications  
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Aerosol Codeposition of Ceramics: Mixtures of Bi<sub>2</sub>O<sub>3</sub>-TiO<sub>2</sub> and Bi<sub>2</sub>O<sub>3</sub>-V<sub>2</sub>O<sub>5</sub>  
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M. Bektas, D. Hanft, D. Schönauer-Kamin, T. Stöcker, G. Hagen, R. Moos:

Aerosol-deposited  $\text{BaFe}_{0.7}\text{Ta}_{0.3}\text{O}_{3-\delta}$  for nitrogen monoxide and temperature-independent oxygen sensing  
**open access - free** *Journal of Sensors and Sensor Systems*, **3**, 223-229 (2014), doi: [10.5194/jsss-3-223-2014](https://doi.org/10.5194/jsss-3-223-2014)

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Influence of carrier gas composition on the stress of  $\text{Al}_2\text{O}_3$  coatings prepared by the Aerosol Deposition Method  
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