

Powder Aerosol Deposition (PAD) on focus

Five contributions with respect to Powder Aerosol Deposition (PAD) were given at the “Ceramics 2023” in Jena, Germany

The annual ceramic conference of the German Ceramic Society (DKG), held in Jena, Thuringia (March 27-30) was a huge success. The department of Functional Materials contributed with one invited key note presentation and four additional talks, all focusing on the powder aerosol deposition.

R. Moos, L. Hennerici, E. Kita, N. Leupold, M. Linz, D. Paulus, J. Schneider, D. Schönauer-Kamin, M. Sozak, R. Werner, J. Kita: Powder aerosol deposition (PAD): a promising coating tool (not only) for functional ceramics

D. Paulus, J. Kita, R. Moos: Intrinsic compressive stress relaxation in ceramic films manufactured by powder aerosol deposition (PAD)

J. Schneider, J. Kita, R. Moos: Rapid posttreatment of powder aerosol deposited garnet-type lithium ion conductor films using LED radiation

D. Schönauer-Kamin, S. Bresch, D. Paulus, R. Moos: Powder-Aerosol deposited (PAD) calcium cobaltite as textured p-type thermoelectric material

M. Sozak, L. Hennerici, D. Paulus, J. Kita, R. Moos: The effects of calcination parameters of garnet-type ALLZTO solid electrolyte powders on the deposition of thick films via powder aerosol deposition (PAD) method



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CERAMICS 2023

Daniela Schönauer-Kamin, Daniel Paulus, Ralf Moos, Jürgen Schneider, and Mutlucan Sozak presented latest results.

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