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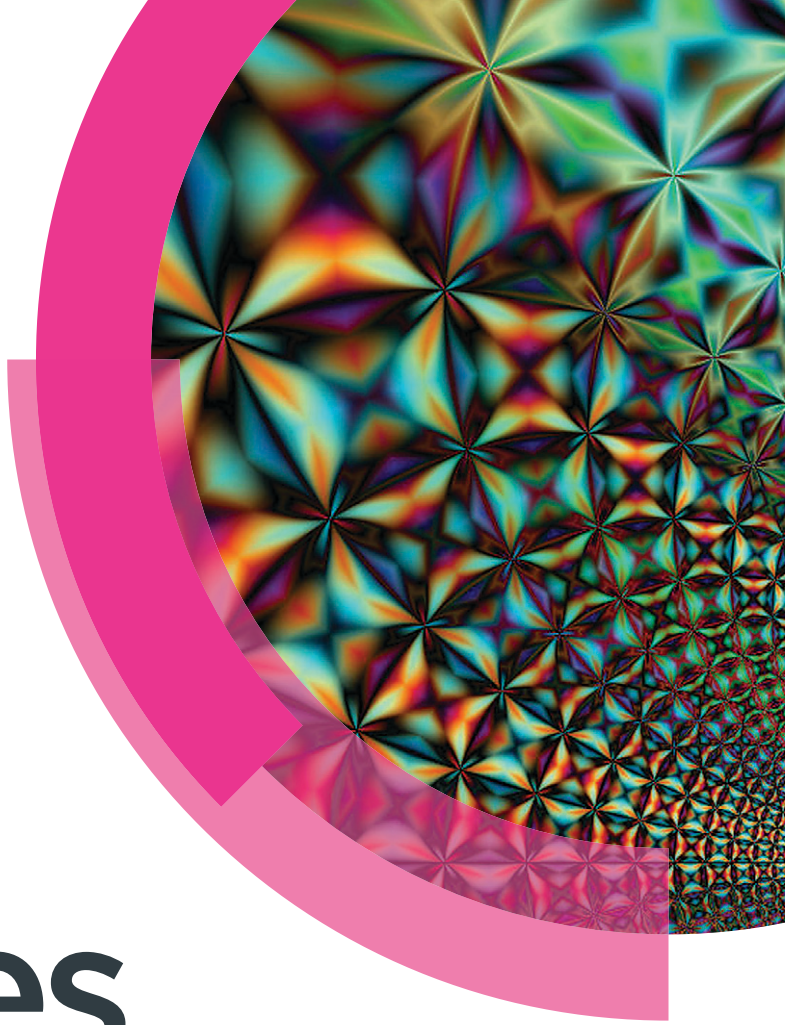

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Showcasing research from Professor Tao Wang's laboratory, Research & Development Institute of Northwestern Polytechnical University in Shenzhen and State Key Laboratory of Solidification Processing, Northwestern Polytechnical University, People's Republic of China.

Study on the trace moisture influence on the adhesion phenomenon in Cd-based crystal growth

Any residual moisture can react with cadmium and produce an oxide, which was studied by thermomechanical analysis and the introduction of H_2O intentionally. This process is the origin of the wetting and adhesion during the Cd-based crystal growth. High reactive gas directly reacts with and removes any residual moisture, which prevents the melt from wetting and sticking in the bare quartz crucible. These results provide new insights for the guidance of high-quality crystal growth.

As featured in:

See Kejing Liu *et al.*, *CrystEngComm*, 2023, **25**, 2032.

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