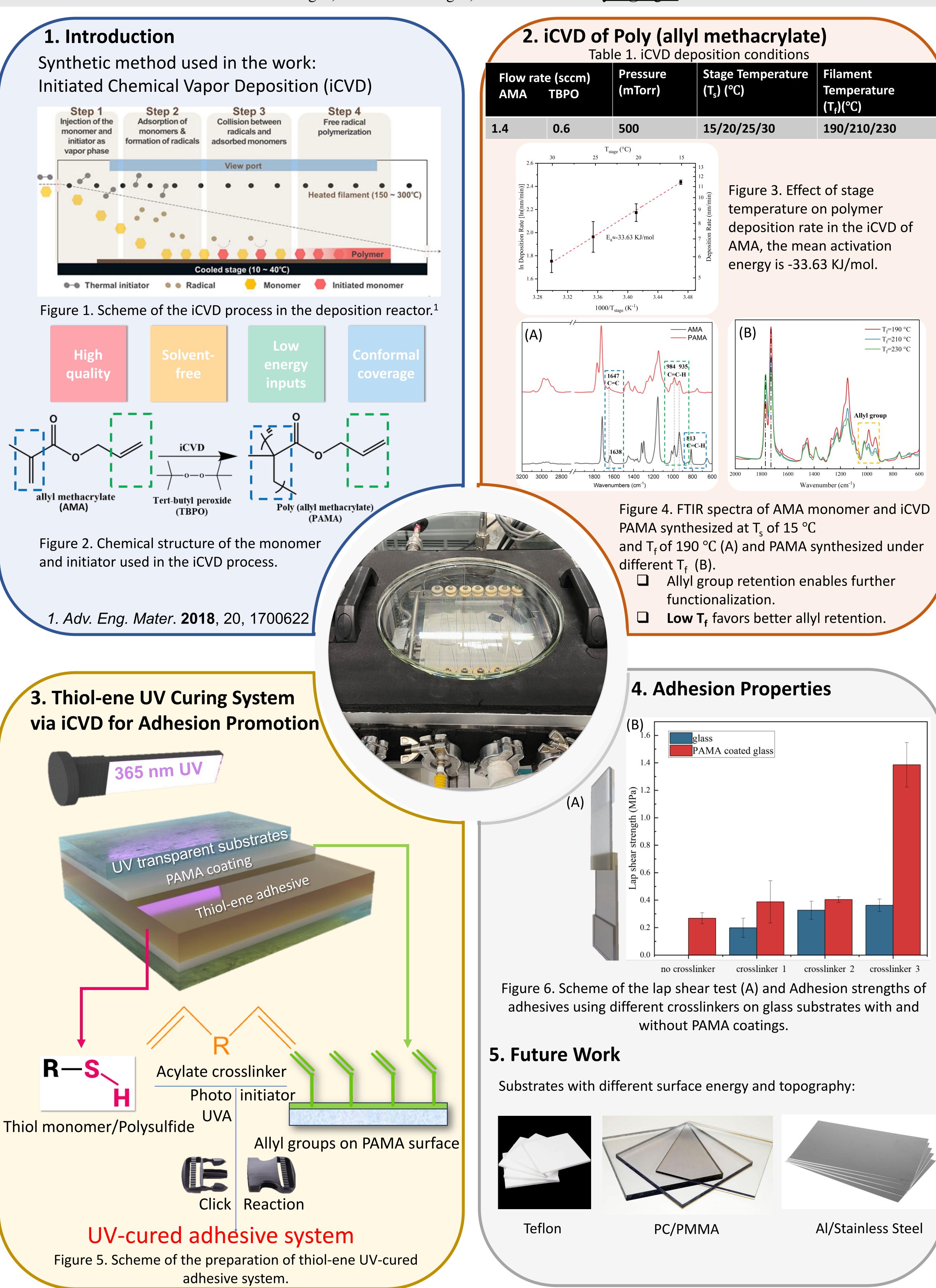


## Synthesis of UV-responsive polymers for adhesion application

Yizeng Di, Ranjita K. Bose\*

Product Technology, Department of Chemical Engineering, Engineering and Technology Institute Groningen (ENTEG), University of Groningen, 9747 AG Groningen, The Netherlands. <u>y.di@rug.nl</u>



## 5. Conclusions

- iCVD's solvent-free precision enables UV-responsive PAMA films with reactive allyl groups; optimal allyl retention at  $T_f = 190$ °C.
- PAMA-modified glass showed >3-fold adhesion strength increase vs. unmodified glass with specific thiol-ene adhesive.
- iCVD PAMA nano-coatings + UV-cured thiol-ene adhesives offer a promising strategy for enhanced covalent interfacial adhesion.