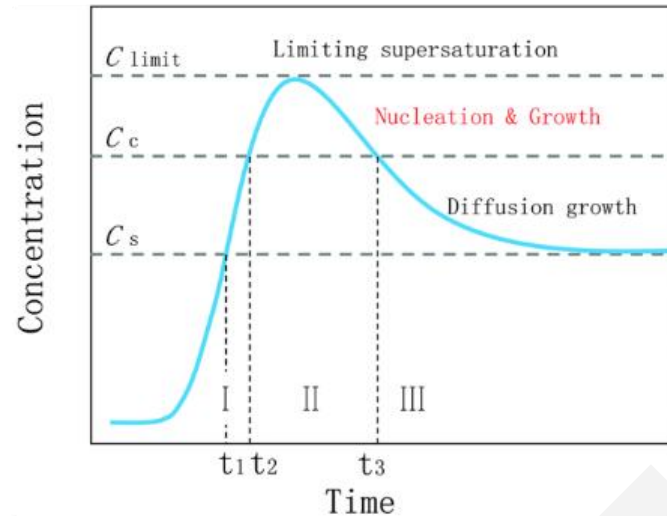


Key factors influencing perovskite film crystallization in blade-coating processes

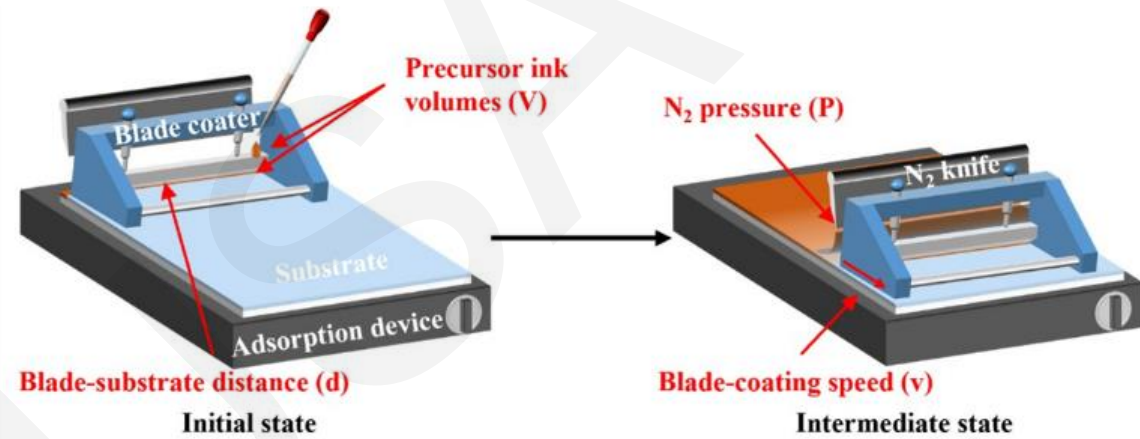
Cite this as: Jingyi SUN, Borui LEI, Jingjing XUE, 2025. Key factors influencing perovskite film crystallization in blade-coating processes. *Journal of Zhejiang University-SCIENCE A*, 26(9):811-831. <https://doi.org/10.1631/jzus.A2500054>

Schematic illustration and key factors of blade-coating process

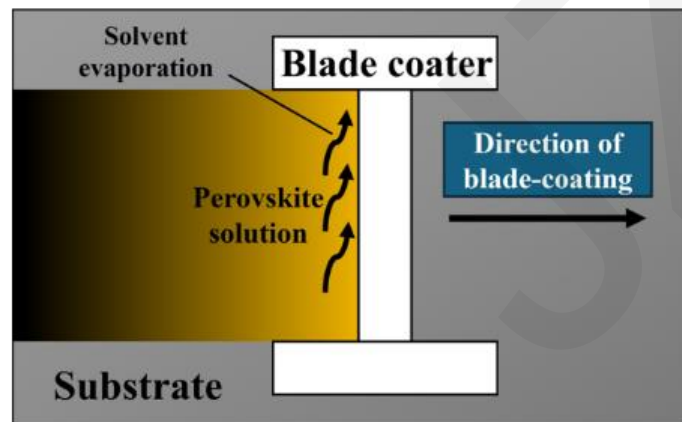
(a)



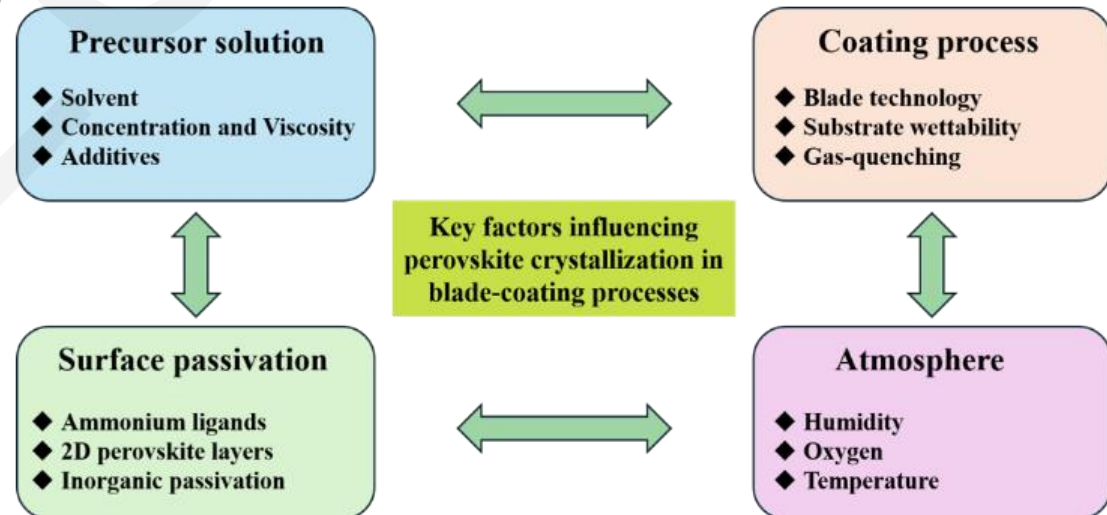
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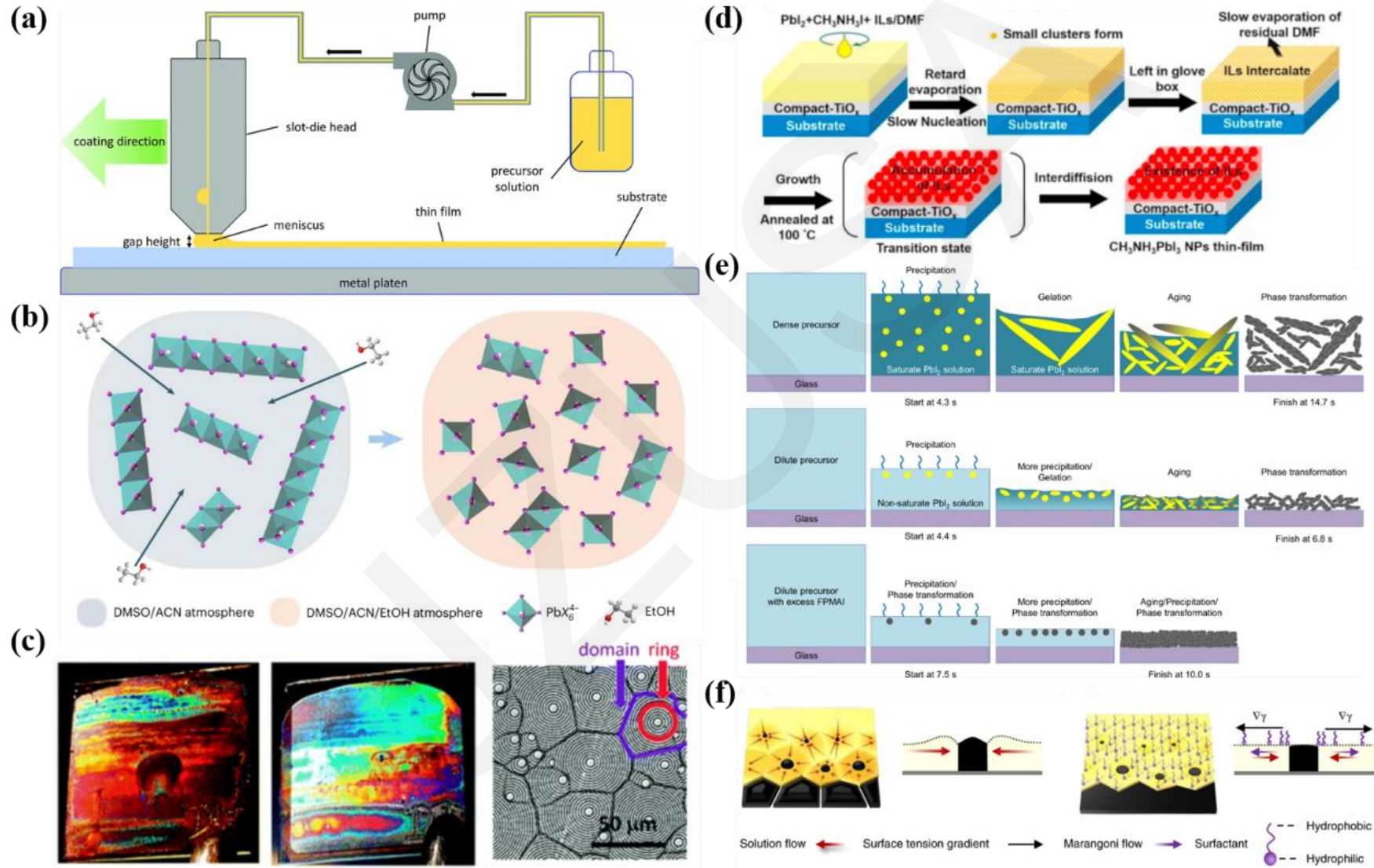
(c)



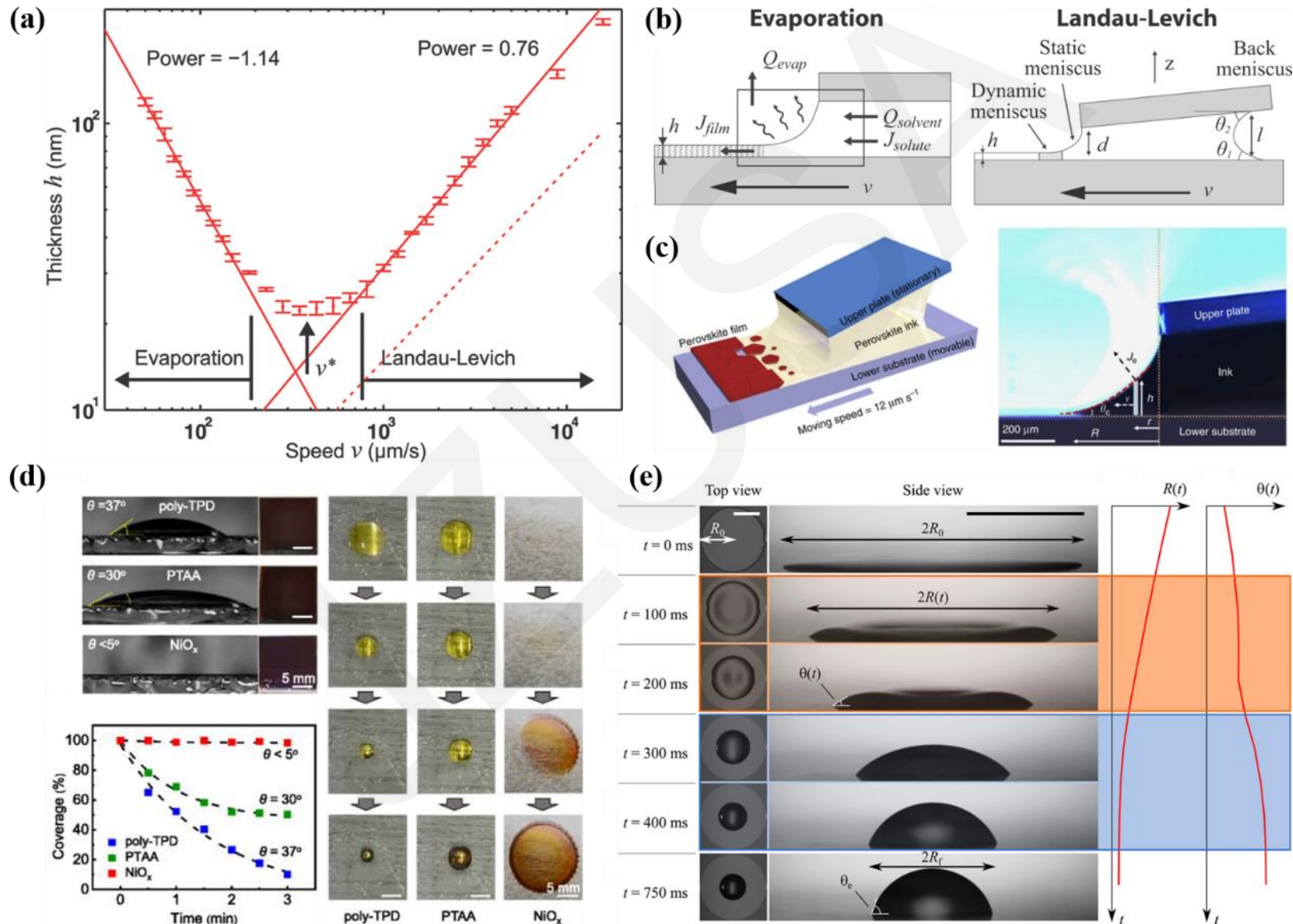
(d)



Influence of solvent in precursor solution on blade-coating



Influence of blade technology on coating process



Influence of surface passivation and atmosphere on coating process

