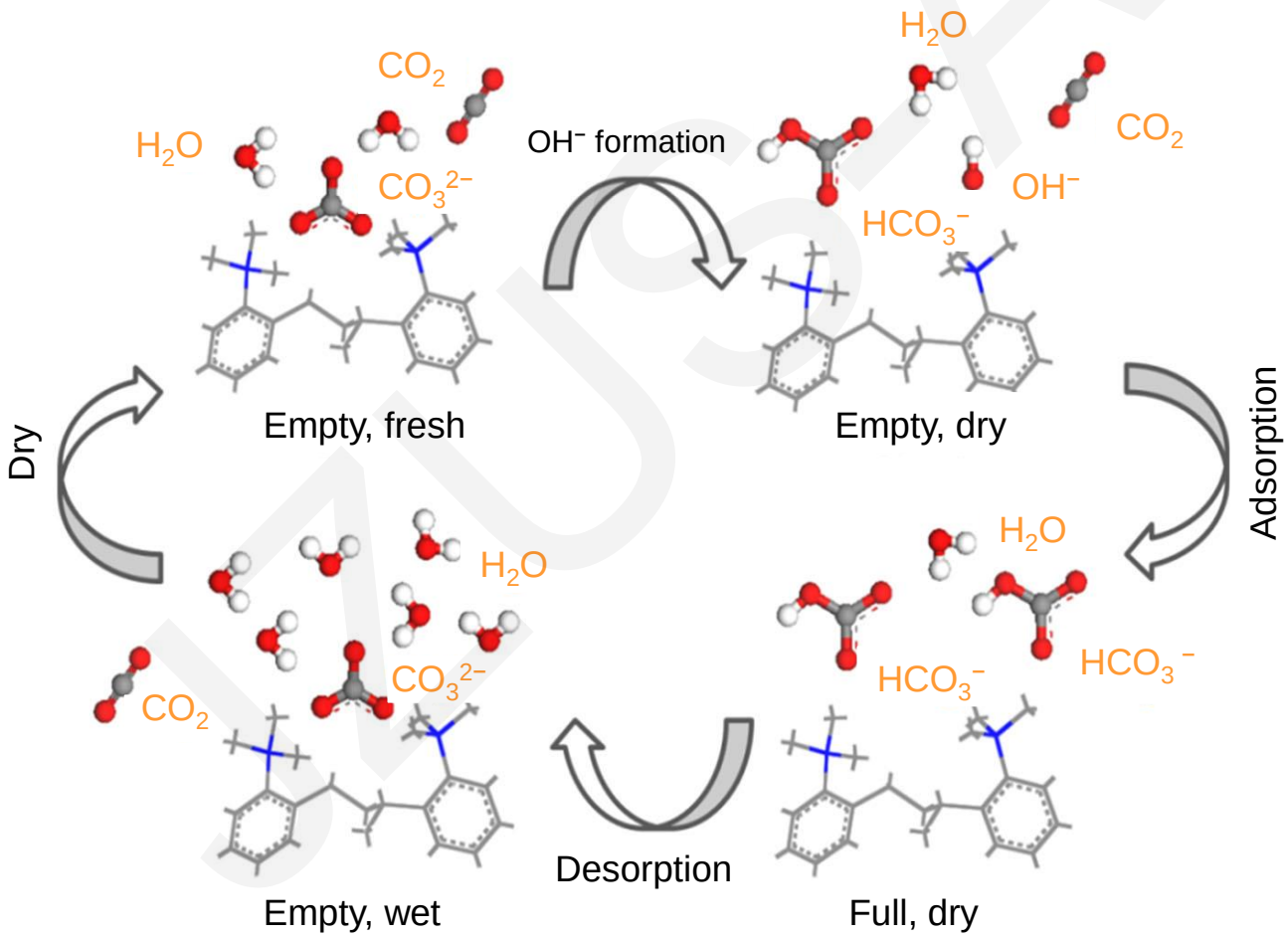
Journal of Zhejiang University-SCIENCE A (Applied Physics & Engineering)

A moisture-driven direct air capture device for low-cost gas fertilizer

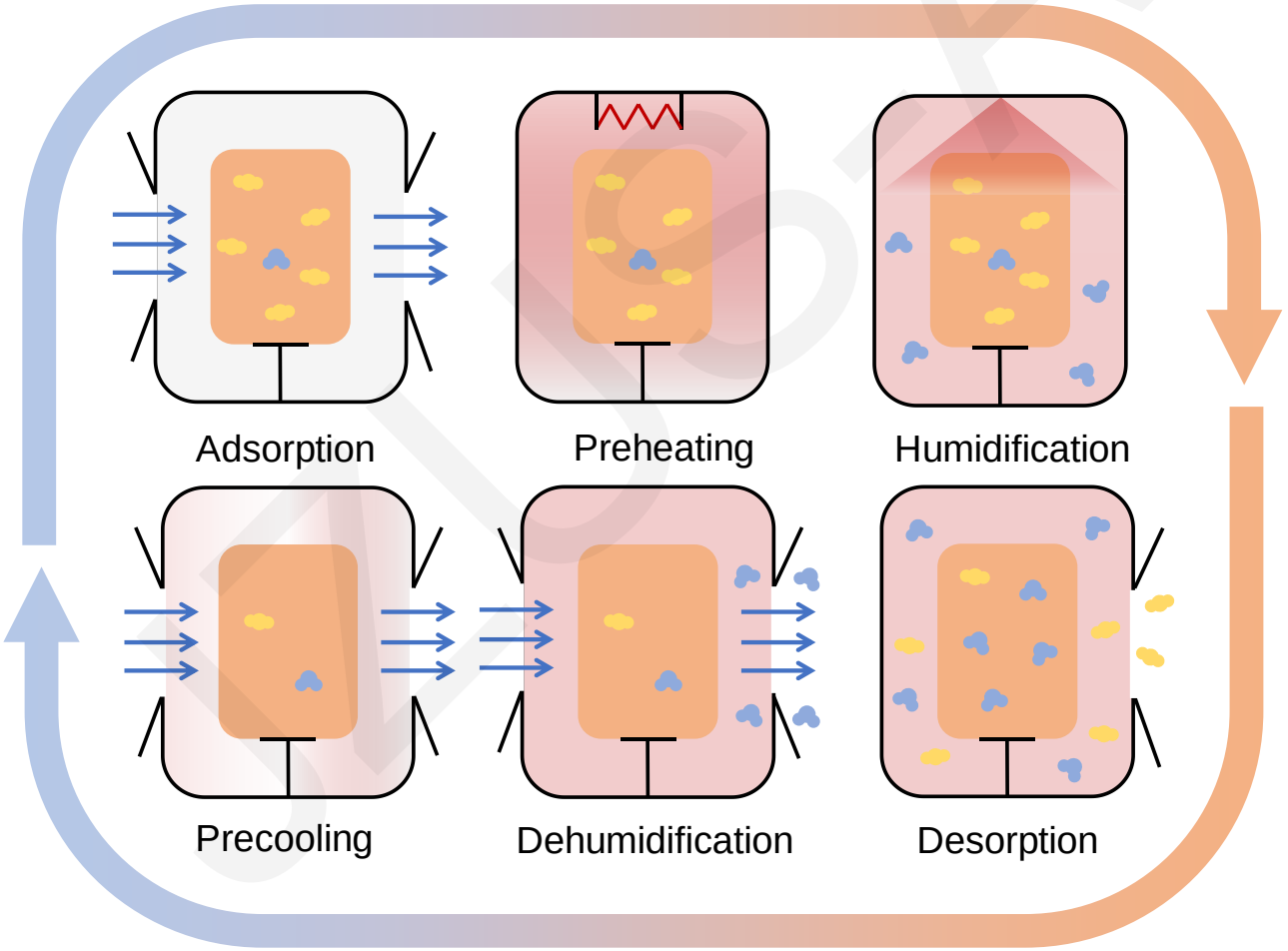
Renyu XIE, Sheng CHEN, Xuejun ZHANG, Long JIANG

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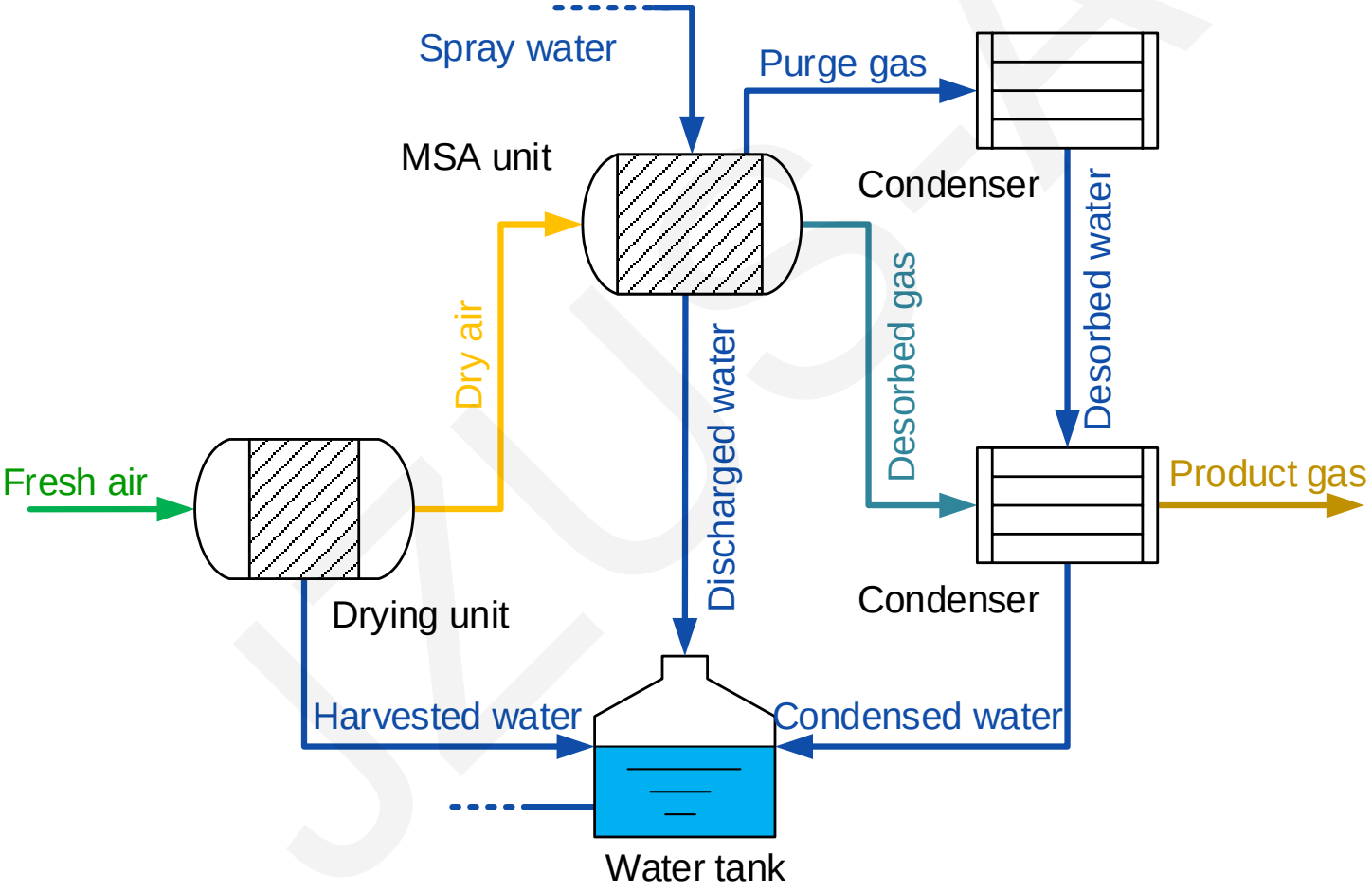
Mechanism of moisture swing adsorption (MSA)



Six-step MSA process with temperature swing



Water recycling system of MSA



Multi-bed MSA desorption system used for gas fertilizer

