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Luwei is active in both academia and industrial related R&D. She has published more than ninety papers with more than 6500 citations and H index of forty-two. Some of her papers have been highlighted in prestigious catalysis journals and as research highlights on newspapers and A\*Star's website. She started to work with several famous engineering and chemical industries such as ABB Lummus, Rolls Royce, Degussa, Lanxess and IHI since 2000. Eight patents have been awarded. And two of them have been commercialized. In particular, she has led the catalyst development of CO<sub>2</sub>/CO methanation project in collaboration with IHI to the demonstration stage.