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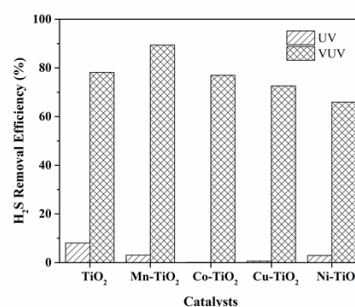
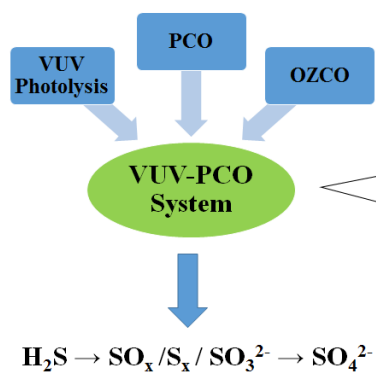
Efficient degradation of H₂S over transition metal modified TiO₂ under VUV irradiation: Performance and mechanism

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Graphical Abstract:



Pathways	TiO ₂	Ni-TiO ₂	Mn-TiO ₂	Cu-TiO ₂	Co-TiO ₂
VUV-PCO, %	76.5	71.3	89.9	73.8	76.9
VUV photolysis, %	68.1	68.1	68.1	68.1	68.1
PCO, %	8.1	2.9	3.1	0.6	0.1
OZCO, %	0.3	0.4	18.7	5.1	8.7

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