

1. Record Nr.	UNINA9910557620503321
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Titolo	Catalysts and Processes for H ₂ S Conversion to Sulfur
Pubbl/distr/stampa	Basel, : MDPI - Multidisciplinary Digital Publishing Institute, 2022
Descrizione fisica	1 electronic resource (206 p.)
Soggetti	Research & information: general Environmental economics Pollution control
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>Today, more stringent regulations on SO_x emissions and growing environmental concerns have led to considerable attention on sulfur recovery from hydrogen sulfide (H₂S). Hydrogen sulfide is commonly found in raw natural gas and biogas, even if a great amount is obtained through sweetening of sour natural gas and hydrodesulphurization of light hydrocarbons. It is highly toxic, extremely corrosive and flammable, and for these reasons, its elimination is necessary prior to emission in atmosphere. There are different technologies for the removal of H₂S, the drawbacks of which are the high costs and limited H₂S conversion efficiency. The main focus of this Special Issue will be on catalytic oxidation processes, but the issue is devoted to the development of catalysts able to maximize H₂S conversion to sulfur minimizing SO₂ formation, pursuing the goal of “zero SO₂ emission”. This Special Issue is particularly devoted to the preparation of novel powdered/structured supported catalysts and their physical–chemical characterization, the study of the aspects concerning stability and reusability, as well as the phenomena that could underlie the deactivation of the catalyst. This Special Issue comprises seven articles, one communication, and one review regarding the desulfurization of sour gases and fuel oil, as well as the synthesis of novel adsorbents and catalysts for H₂S abatement. In the following, a brief description of</p>

the papers included in this issue is provided to serve as an outline to encourage further reading.
