

1. Record Nr.	UNINA9910557304203321
Autore	Profumo Antonella
Titolo	Towards Green, Enhanced Photocatalysts for Hydrogen Evolution
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2021
Descrizione fisica	1 online resource (92 p.)
Soggetti	Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>This book gathers selected research on the preparation, characterization and application of new organic/inorganic composites endowed with photo(electro)catalytic properties for the photocatalytic production of H<sub>2</sub>. In these pilot studies, the photoactive materials were tested under either UV-visible or, even more conveniently, under visible light for H<sub>2</sub> evolution in "sacrificial water splitting" or "photoreforming" systems. In addition, a review article on the use of 2D materials and composites as potential photocatalysts for water splitting is included.</p>