

1. Record Nr.	UNINA9910703073303321
Autore	Fang Xia
Titolo	Advanced dehumidification analysis on Building America homes using EnergyPlus [[electronic resource]] : preprint / / Xia Fang, Jon Winkler, and Dane Christensen
Pubbl/distr/stampa	Golden, CO : , : National Renewable Energy Laboratory, , [2010]
Descrizione fisica	1 online resource (8 pages) : illustrations
Collana	NREL/CP ; ; 550-48383
Altri autori (Persone)	WinklerJon ChristensenDan E
Soggetti	Humidity - Control Dwellings - Energy consumption Air conditioning Architecture and energy conservation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from PDF title screen (NREL, viewed Sept. 27, 2010). "August 2010." "Presented at International High Performance Buildings Conference at Purdue, West Lafayette, Indiana, July 12-15, 2010."
Nota di bibliografia	Includes bibliographical references.

2. Record Nr.	UNINA9910557789103321
Autore	Kang Misook
Titolo	Photocatalytic Hydrogen Evolution
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2020
Descrizione fisica	1 online resource (136 p.)
Soggetti	Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>Energy crises and global warming pose serious challenges to researchers in their attempt to develop a sustainable society for the future. Solar energy conversion is a remarkable, clean, and sustainable way to nullify the effects of fossil fuels. The findings of photocatalytic hydrogen production (PCHP) by Fujishima and Honda propose that "water will be the coal for the future". Hydrogen is a carbon-free clean fuel with a high specific energy of combustion. Titanium oxide (TiO₂), graphitic-carbon nitride (g-C₃N₄) and cadmium sulfide (CdS) are three pillars of water splitting photocatalysts owing to their superior electronic and optical properties. Tremendous research efforts have been made in recent years to fabricate visible or solar-light, active photocatalysts. The significant features of various oxide, sulfide, and carbon based photocatalysts for cost-effective hydrogen production are presented in this Special Issue. The insights of sacrificial agents on the hydrogen production efficiency of catalysts are also presented in this issue.</p>