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Low dimensional systems have revolutionized the science and technology in several areas. However, their understanding is still a great challenge for the scientific community. Solar energy conversion devices based on nanostructured materials have shown exceptional gains in efficiency and stability. In this context, nanostructures allow an improvement of surface properties, transport and charge transfer, as well as direct application as sensors and storage devices and energy conversion. This book discusses the recent advances and future trends of the nanoscience in solar energy conversion and storage. It explores and discusses recent developments both in theory as well as in experimental studies and is of interest to materials scientists, chemists, physicists and engineers. EAN/ISBN : 9783642317361 Publisher(s): Springer, Berlin Discussed keywords: Brennstoffzellen, Nanotechnologie Format: ePub/PDF Author(s): Souza, Flavio Leandro - Leite, Edson Roberto

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