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MoleculesFabrication and Photoelectrochemical Characterization of Fe, Co, Ni and Cu-Doped TiO₂ Thin Films; Photocatalytic Degradation of Alizarin Cyanine Green G, Reactive Red 195 and Reactive Black 5 Using UV/TiO₂ Process; Chemically Deposited Cd_{1-x}Pb_xSe Thin Films for Photoelectrochemical Studies; Keywords Index; Authors Index

Sommario/riassunto

The Special Topic Volume is a result from the contribution of forty-one experts from the international scientific community in the respective field of research. It thoroughly covers recent work done in the area of photocatalysis. In recent year a boosting interest in the exploration of renewable energy sources and environmental abatement attracted the promises of photocatalysis particularly in hydrogen production by water splitting, storage of solar energy in sustainable chemical fuels, decomposition and removal of environmental pollutants and disinfection of water. Current environmental conce
