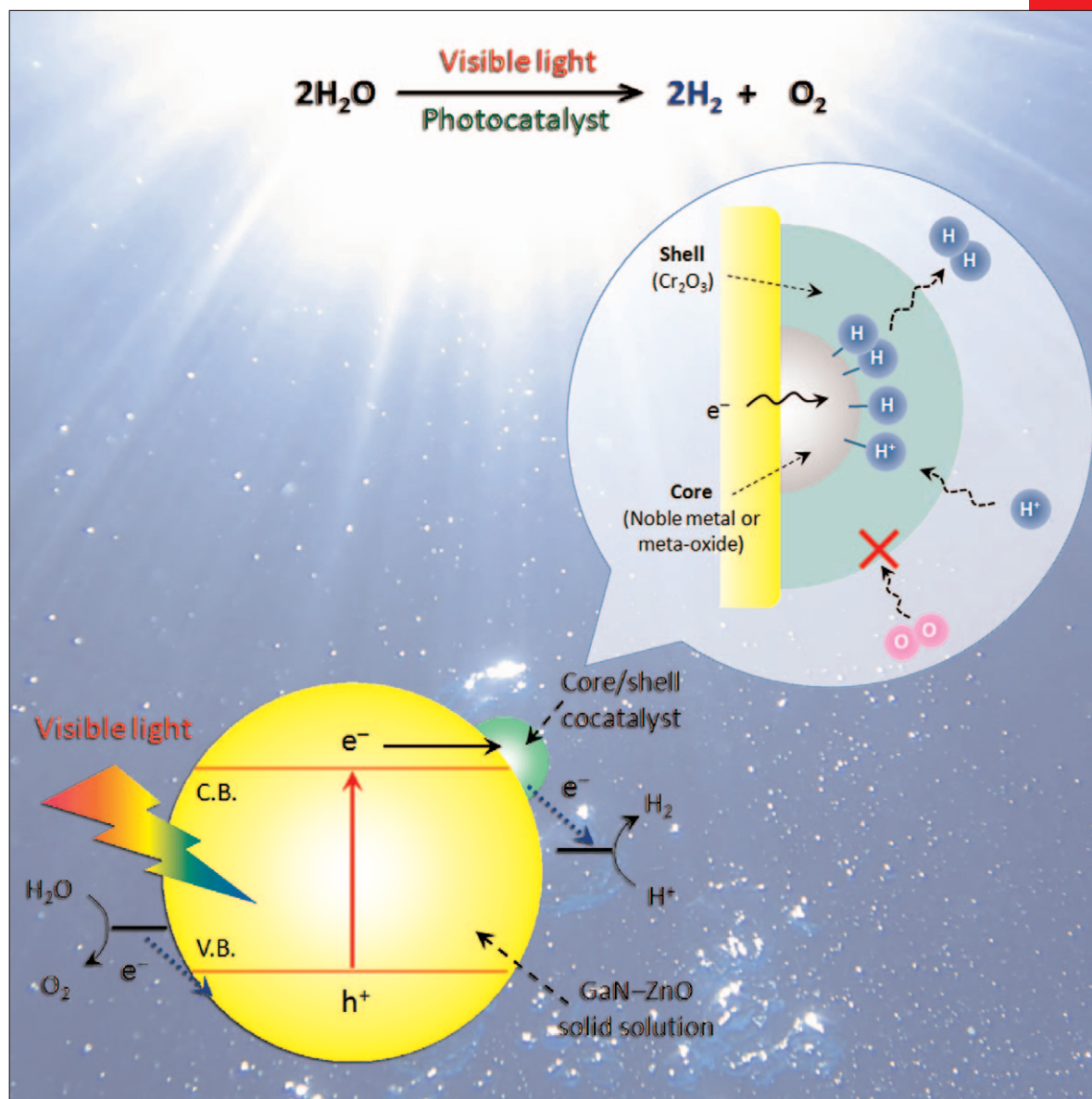


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Photocatalytic overall water splitting...

... using GaN:ZnO solid solution under visible light is promoted upon coating of nanoparticulate cocatalysts (metal or metal oxides) with a chromia shell, which suppresses undesirable reverse reactions, such as photoreduction of oxygen and water formation from hydrogen and oxygen on cocatalysts by inhibiting the access of oxygen molecules. For more details see the Full Paper by K. Domen et al. on page 7750 ff.

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Toshiharu Teranishi, and Kazunari Domen***

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