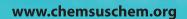
CHEMISTRY & SUSTAINABILITY

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ENERGY & MATERIALS

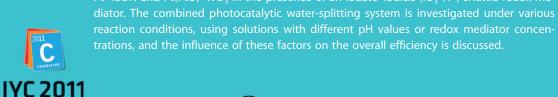
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CHEMISTRY

ver of this special issue on Photocalysis is provided by Ryu demonstrate in a Full Paper on p. 228 a two-step photoexcita Pt(PtO)–WO₃ in the presence of an iodate–iodide ($|O_3^-/I^-$) shut mbined photocatalytic water splitting system is investigated.

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Inside Cover

Ryu Abe*, Masanobu Higashi, and Kazunari Domen

The inside cover of this special issue on Photocalysis is provided by Ryu Abe and coworkers, who demonstrate in a Full Paper on p. 228 a two-step photoexcitation between Pt-TaON and Pt(PtO)–WO₃ in the presence of an iodate–iodide ($|O_3^{\mathcal{A}}/l^{\mathcal{A}}|$ shuttle redox mediator. The combined photocatalytic water-splitting system is investigated under various reaction conditions, using solutions with different pH values or redox mediator concentrations, and the influence of these factors on the overall efficiency is discussed.

