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## Spotlights

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**DOI:** 10.1021/ja4023122

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### Stable Hydrogen Evolution from CdS-Modified CuGaSe<sub>2</sub> Photoelectrode under Visible-Light Irradiation

Makoto Moriya, Tsutomu Minegishi, Hiromu Kumagai, Masao Katayama, Jun Kubota, and Kazunari Domen  
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**DOI:** 10.1021/ja312653y

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Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes

### Unveiling Chemical Reactivity and Structural Transformation of Two-Dimensional Layered Nanocrystals

Jae Hyo Han, Sujeong Lee, Dongwon Yoo, Jae-Hyun Lee, Sohee Jeong, Jin-Gyu Kim, and Jinwoo Cheon  
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**DOI:** 10.1021/ja309744c

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### Palladium-Catalyzed Direct Arylation of Methyl Sulfoxides with Aryl Halides

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**DOI:** 10.1021/ja4009776

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## **Selective Growth of Dual-Color-Emitting Heterogeneous Microdumbbells Composed of Organic Charge-Transfer Complexes**

Yi Long Lei, Liang Sheng Liao, and Shuit Tong Lee

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**DOI:** 10.1021/ja3114278

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## **Target-Responsive “Sweet” Hydrogel with Glucometer Readout for Portable and Quantitative Detection of Non-Glucose Targets**

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**DOI:** 10.1021/ja3114714

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Jay T. Fitzgerald, Louise K. Charkoudian, Katharine R. Watts, and Chaitan Khosla

pp 3752–3755

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**DOI:** 10.1021/ja311579s

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## **Modular Pyridine Synthesis from Oximes and Enals through Synergistic Copper/Iminium Catalysis**

Ye Wei and Naohiko Yoshikai

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**DOI:** 10.1021/ja312346s

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In-Hwan Lee, Hyunseok Kim, and Tae-Lim Choi

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**DOI:** 10.1021/ja312592e

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## **In Situ Visualization of Self-Assembly of Charged Gold Nanoparticles**

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**DOI:** 10.1021/ja312646d

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Qiao Yan Toh, Andrew McNally, Silvia Vera, Nico Erdmann, and Matthew J. Gaunt

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**DOI:** 10.1021/ja4004816

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**DOI:** 10.1021/ja400691t

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**DOI:** 10.1021/ja309286r

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Maxie M. Roessler, Rhiannon M. Evans, Rosalind A. Davies, Jeffrey Harmer, and Fraser A. Armstrong

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**DOI:** 10.1021/ja312695k

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