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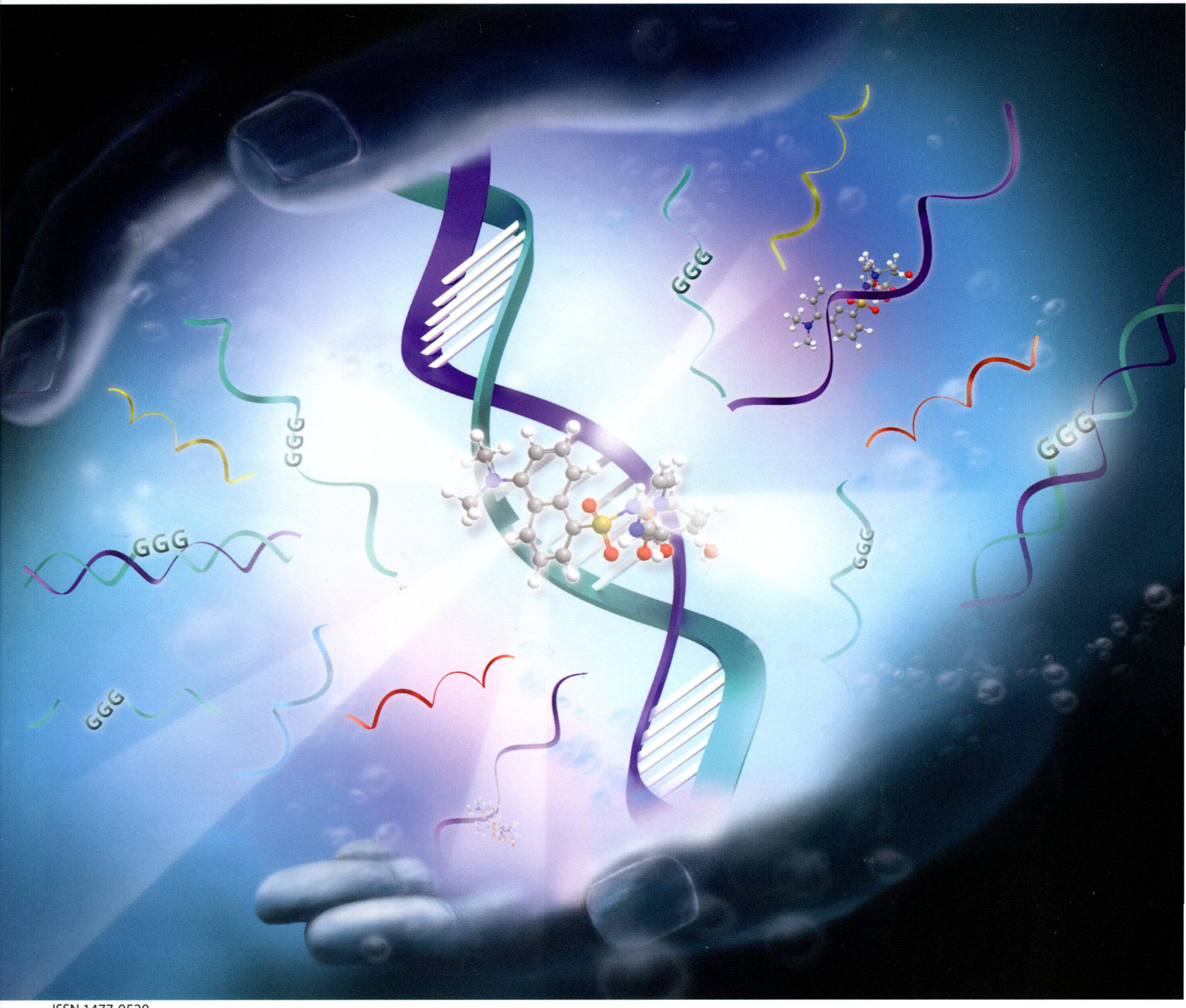

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PAPER

Byeang Hyean Kim *et al.*

^{DNS}C: a fluorescent, environmentally sensitive cytidine derivative for the direct detection of GGG triad sequences

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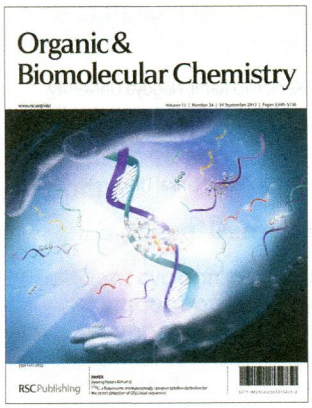

Cover
See Byeang Hyean Kim *et al.*, pp. 5605–5614.

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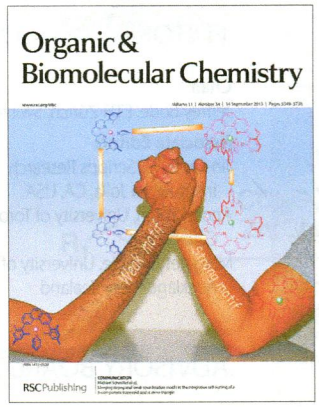

Inside cover
See Michael Schmittel *et al.*, pp. 5592–5595.

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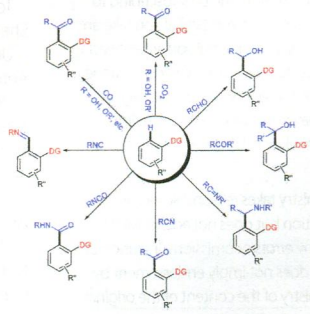
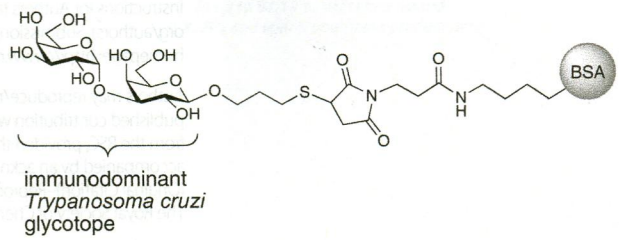
PERSPECTIVE



COMMUNICATIONS



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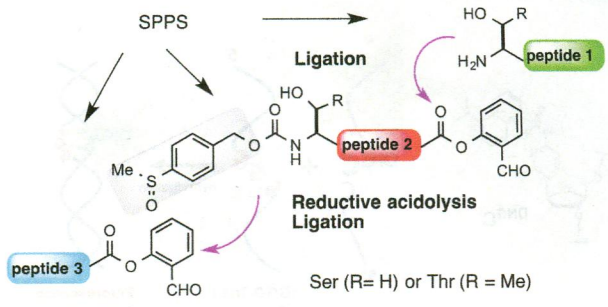

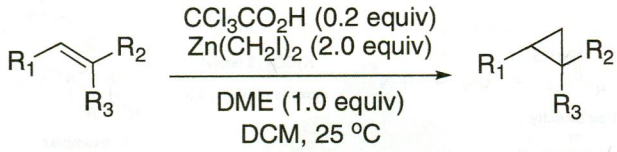

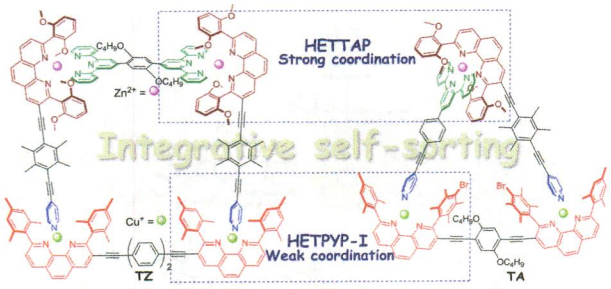

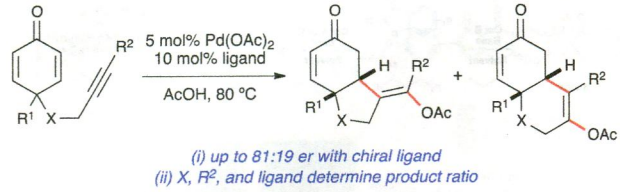

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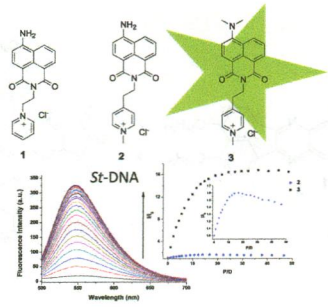
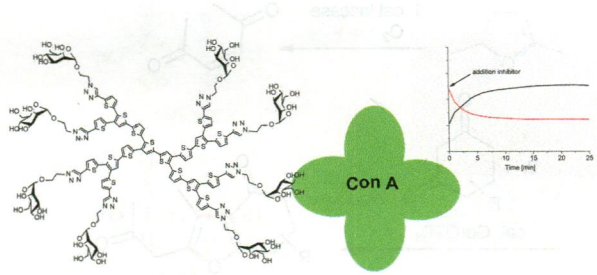
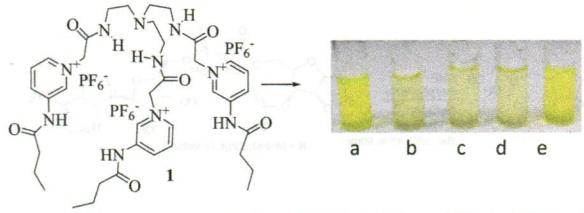
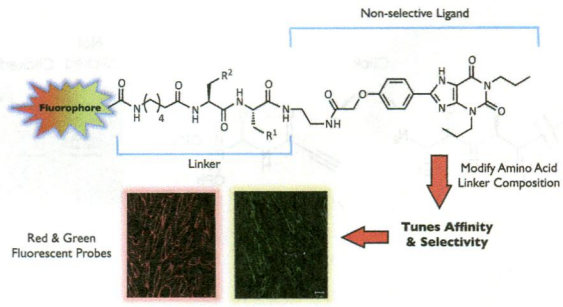






a. Indicator, b. Ensemble, c. ATP, d. ADP, e. AMP



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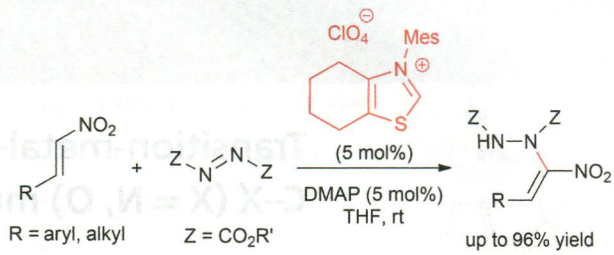
5722

Catalytic MBH reaction of β-substituted nitroalkenes with azodicarboxylates

Xiang-Yu Chen, Fei Xia and Song Ye*

An unprecedented N-heterocyclic carbene catalyzed Morita–Baylis–Hillman reaction of β-substituted nitroalkenes with azodicarboxylates has been developed, giving the α-hydrazino-α,β-unsaturated nitroalkenes in good yields.



5727

The relative hydrolytic reactivities of pyrophosphites and pyrophosphates

Dharmit Mistry and Nicholas Powles*

The pH-rate profiles for the hydrolysis of pyrophosphate (PP(V)) and pyrophosphite (PP(III), pyro-di-H-phosphonate) are a complex function of pH, reflecting the different ionic species and their relative reactivities.