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Inside Cover: Elucidation of π -Conjugation Modes in Diarene-Fused 1,2-Dihydro-1,2-diborin Dianions (Chem. Asian J. 7/2012)

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[Atsushi Wakamiya](#)

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[Shigehiro Yamaguchi](#)

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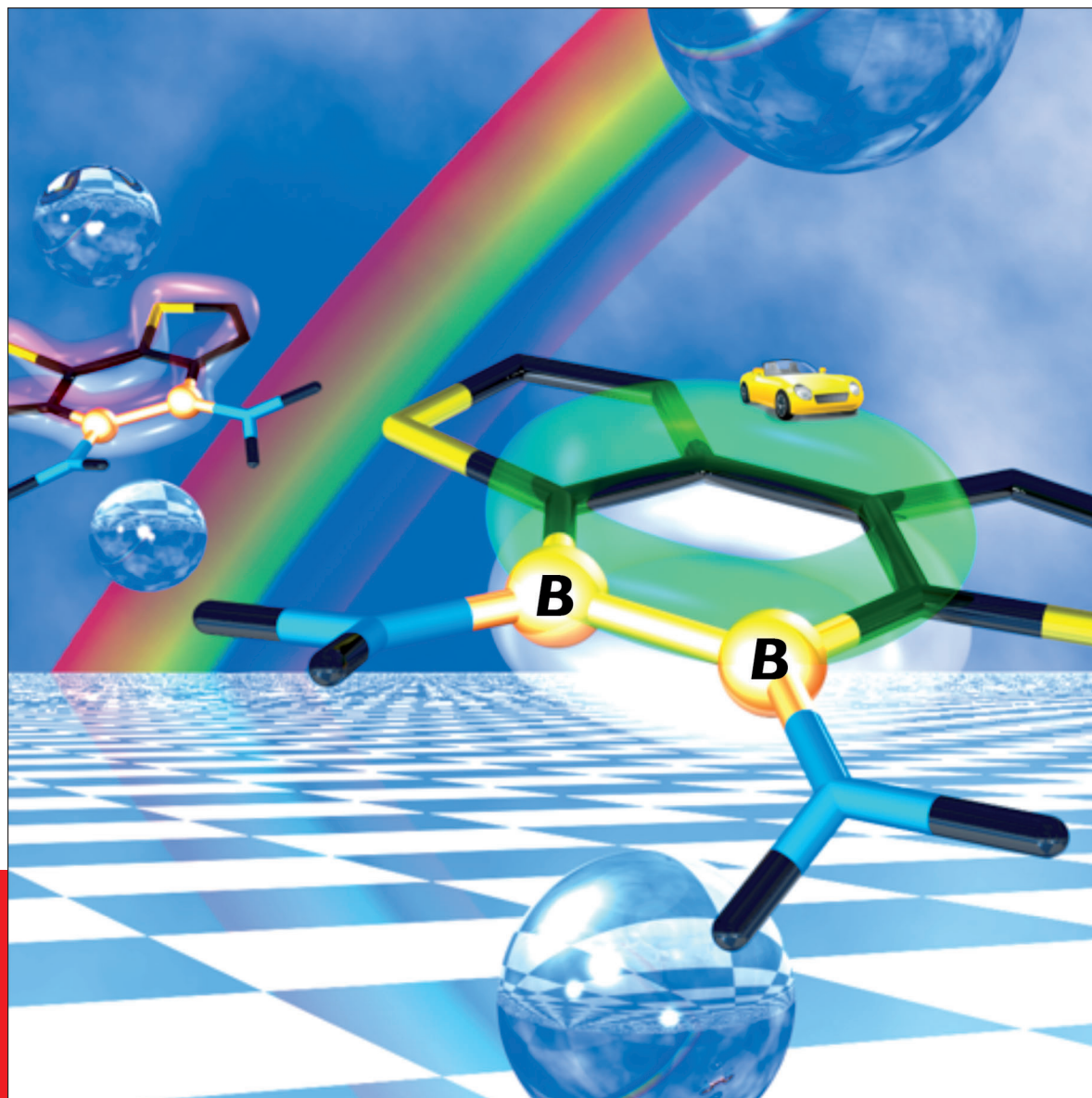
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1,2-Dihydro-1,2-diborin ...

... is an intriguing building unit with a B–B bond. As described in their Full paper on page 1594 ff., Atsushi Wakamiya and Shigehiro Yamaguchi et al. present new π -electron systems consisting of dithiophene-fused 1,2-dihydro-1,2-diborins. Metal reduction produces their dianions, in which the orientation of thiophene rings determines the road of π conjugation. The 3,3'-bithiophene skeleton enhances a 6π -aromatic conjugation in the diborin moiety, while the 2,2'-bithiophene skeleton favors a peripheral conjugation extended over the tricyclic framework.

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