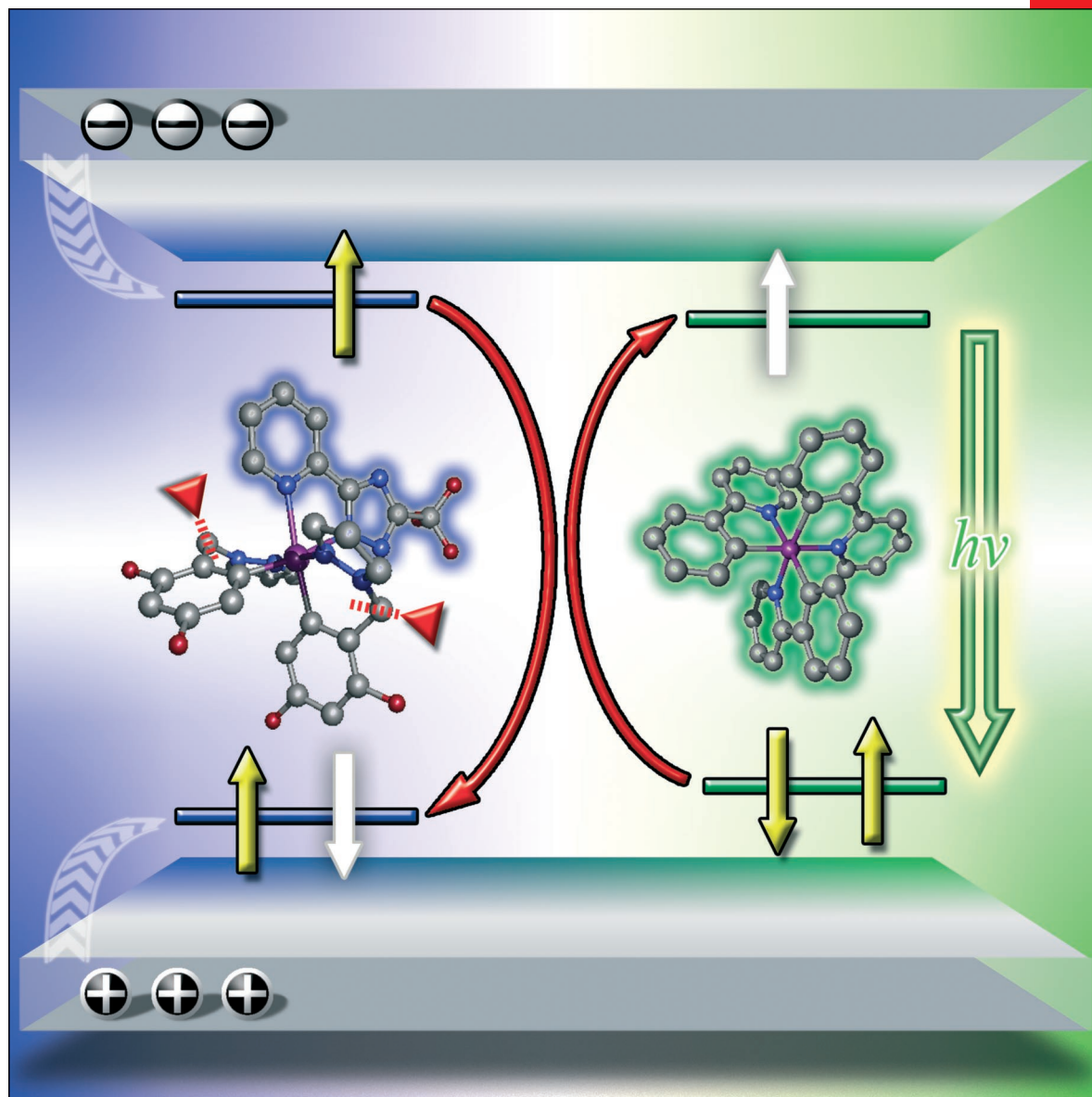


CHEMISTRY

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Now with
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Concept

Recent Developments in Enantioselective Gold(I) Catalysis

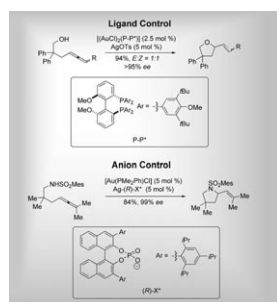
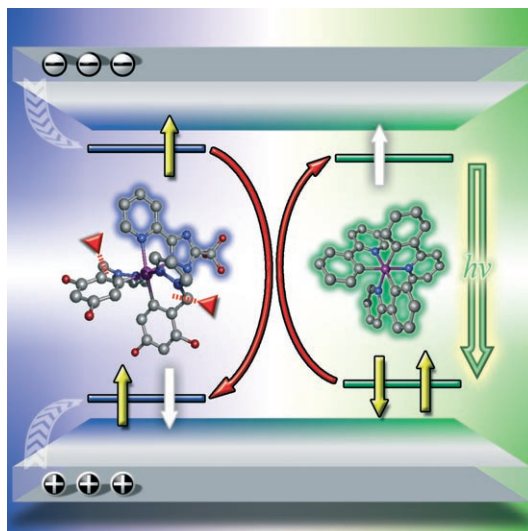
R. A. Widenhoefer

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An iridium complex...

... with nonconjugated cyclometalated ligands can serve as a deep-blue dopant emitter of PhOLED and the host material of PhOLED; the latter is best exemplified by efficient triplet-state energy transfer to the green-emitting $[\text{Ir}(\text{ppy})_3]$ ($\text{ppyH} = 2\text{-phenylpyridine}$). In their Full Paper on page 5423 ff., Y. Chi, P.-T. Chou, C.-C. Wu et al. investigate a series of iridium complexes and discuss their phosphorescent properties.

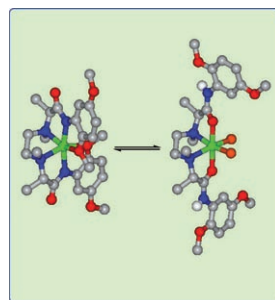


Homogeneous Catalysis

In the Concept article on page 5382 ff., R. A. Widenhoefer describes the latest developments in the field of gold(I) catalysis, with a focus on the applications of bis(gold)phosphine complexes as catalysts for the functionalization of allenes.

Chiral Cobalt Complexes

In their Communication on page 5393 ff., H. Miyake et al. describe a kinetically labile Co^{II} complex that allows a dual molecular motion in a highly dynamic fashion, as would be required for a sophisticated supramolecular switching device.



Cationic Clathrates

Yu. Grin and A. V. Shevelkov describe in their Full Paper on page 5414 ff. how a new aesthetically beautiful cationic clathrate with an Si-P framework displays unusual thermal stability. $\text{Si}_{130}\text{P}_{42}\text{Te}_{21}$ is stable against oxidation in air up to 1500 K, outplaying all other non-oxide framework compounds and promising a range of high-temperature applications.

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