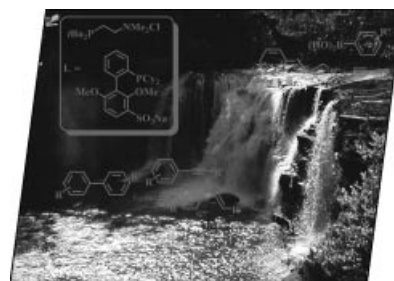


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COVER PICTURE

The cover picture shows Little River Falls in the Little River Canyon National Preserve in Northeastern Alabama. Water is the solvent of life, and increasingly, water is being applied as a solvent in organic synthesis. Shown going over the falls are typical substrates for palladium-catalyzed cross-coupling reactions and their products collected in the pool below the falls. New hydrophilic phosphane architectures, such as those shown, are discussed in the Microreview by K. H. Shaughnessy on p. 1827ff. These new classes of hydrophilic ligands provide palladium catalysts that can activate a wide variety of organohalide substrates under very mild conditions.



MICROREVIEW

Contents

1827 K. H. Shaughnessy*

Beyond TPPTS: New Approaches to the
 Development of Efficient Palladium-Catalyzed
 Aqueous-Phase Cross-Coupling Reactions

Keywords: Biphase catalysis / Palladium / Cross-
 coupling / Green chemistry

