Synthesis Alerts is a monthly feature to help readers of Synthesis keep abreast of new reagents, catalysts, ligands, chiral auxiliaries, and protecting groups which have appeared in the recent literature. Emphasis is placed on new developments but established reagents, catalysts etc are also covered if they are used in novel and useful reactions. In each abstract, a specific example of a transformation is given in a concise format designed to aid visual retrieval of information.

Synthesis Alerts is a personal selection by:

Elyse Bourque, Jennifer Delaney, Andrew Gunn, Steven McAteer, Marcel de Puit, Sukhjinder Uppal, Tanya Wildmann and Josephine Yuen, Department of Chemistry, Leeds University, Leeds, LS2 9JT, UK.

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Synthesis 2002, No. 4, 15 03 2002. Article Identifier: 1437-210X,E;2002,0,04,570,577,ftx,en;X00402SS.pdf. © Georg Thieme Verlag Stuttgart · New York ISSN 0039-7881 The journals regularly covered by the abstractors are: Angewandte Chemie **Chemical Communications** Chemistry-A European Journal Collection of Czechoslovak Chemical Communications European Journal of Organic Chemistry Helvetica Chimica Acta Journal of Organic Chemistry Journal of the American Chemical Society **Organic Letters** Organometallics Perkin Transactions 1 Synlett Synthesis Tetrahedron Tetrahedron Asymmetry **Tetrahedron Letters**









13 examples of cyclic aryl ethers from aryl chlorides or bromides (yields 65-85%), 17 examples of chiral and non-chiral benzoxidanes and benzoxazines using various ligands (yields 67-95%, %ee 95-99%). The methodology was also applied to the synthesis of the antidepressant MKC-242.



Asymmetric permanganate-promoted oxidative cyclization of 1,5-dienes using chiral phase-transfer catalysis. Asymmetric Oxidation Brown, R. C. D.; Kiely, J. F. *Angew. Chem. Int. Ed.* 2001, *40*, 4496.



Stereoselective addition of allylsilanes to chiral *N*-acylhydrazones activation by fluoride and ln(OTf)₃. Asymmetric 1,2-Addition Friestad, G. K.; Ding, H. *Angew. Chem. Int. Ed.* 2001, *40*, 4491.



Ti(O/-Pr)₄ and BINOL-catalysed enantioselective synthesis of (*S*)- and (*R*)-fluoxetine hydrochloride. Miles, W. H.; Fialcowitz, E. J.; Halstead, E. S. *Tetrahedron* **2001**, *57*, 9925.







