

Recent Reviews. 53

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Reviews are listed in order of appearance in the sources indicated. In multidisciplinary review journals, only those reviews which fall within the scope of this Journal are included. Sources are listed alphabetically in three categories: regularly issued review journals and series volumes, contributed volumes, and other monographs. Titles are numbered serially, and these numbers are used for reference in the index.

Major English-language sources of critical reviews are covered. Encyclopedic treatises, annual surveys such as *Specialist Periodical Reports*, and compilations of symposia proceedings are omitted.

This installment of Recent Reviews covers principally the early part of the 1999 literature. Previous installment: *J. Org. Chem.* **1998**, 64(7), 2600-6.

These Recent Review articles are now also available in a database form on the ACS Organic Division WWW site <http://www.chem.unt.edu/acs/>

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3. Sibi, M. P.; Porter, N. A. Enantioselective Free Radical Reactions. **1999**, 32(2), 163-71.
4. Lambert, J. B.; Zhao, Y.; Emblidge, R. W.; Salvador, L. A.; Liu, X.; So, J.-H.; Chelius, E. C. The β -Effect of Silicon and Related Manifestations of σ -Conjugation. **1999**, 32(2), 183-90.
5. Rebek, J., Jr. Reversible Encapsulation and Its Consequences in Solution. **1999**, 32(4), 278-86.
6. Wengel, J. Synthesis of 3'-C- and 4'-C-Branched Oligodeoxynucleotides and the Development of Locked Nucleic Acid (LNA). **1999**, 32(4), 301-10.
7. Bruneau, C.; Dixneuf, P. H. Metal Vinylidenes in Catalysis. **1999**, 32(4), 311-23.
8. Singh, V. Spiroepoxycyclohexa-2,4-dienones in Organic Synthesis. **1999**, 32(4), 324-33.

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9. Grindley, T. B. Applications of Tin-Containing Intermediates to Carbohydrate Chemistry. **1998**, 53, 17-142.
10. Witczak, Z. J.; Czernecki, S. Synthetic Applications of Selenium-Containing Sugars. **1998**, 53, 143-99.
11. Tomasik, P.; Schilling, C. H. Complexes of Starch with Inorganic Guests. **1998**, 53, 263-343.
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13. Reichl, J. A.; Berry, D. H. Recent Progress in Transition Metal-Catalyzed Reactions of Silicon, Germanium, and Tin. **1998**, 43, 197-265.

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14. Barluenga, J.; Su'arez-Sobrinio, A.; L'opez, L. A. Chiral Heterosubstituted 1,3-Butadienes: Synthesis and [4+2] Cycloaddition Reactions. **1999**, 32(1), 4-15.
15. Kulkarni, Y. S. Serine Derivatives in Organic Synthesis. **1999**, 32(1), 18-27.

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16. O'Brien, P. Sharpless Asymmetric Aminohydroxylation: Scope, Limitations, and Use in Synthesis. **1999**, 38(3), 326-9.
17. Bunz, U. H. F.; Kloppenburg, L. Alkyne Metathesis as a New Synthetic Tool: Ring-Closing, Ring-Opening, and Acyclic. **1999**, 38(4), 478-81.

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18. Brennecke, J. F.; Chateaufneuf, J. E. Homogeneous Organic Reactions as Mechanistic Probes in Supercritical Fluids. **1999**, 99(2), 433-52.
19. Katritzky, A. R.; Piffl, M.; Lang, H.; Anders, E. Regioselectivity of the Reactions of Heteroatom-Stabilized Allyl Anions with Electrophiles. **1999**, 99(3), 665-722.
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21. Berecibar, A.; Grandjean, C.; Siriwardena, A. Synthesis and Biological Activity of Natural Aminocyclopentitol Glycosidase Inhibitors: Mannostatins, Trehazolin, Allosamidins, and Their Analogs. **1999**, 99(3), 779-844.
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25. Crisp, G. T. Variations on a Theme: Recent Developments on the Mechanism of the Heck Reaction and Their Implications for Synthesis. **1998**, 27(6), 427-36.
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28. Whiting, A. Discovery and Diversity. **1999**, 35(3), 31-4.

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31. Crabtree, R. H. Speeding Catalyst Discovery and Optimization. **1999**, 29(4), 21-6.

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33. Majoral, J.-P.; Igau, A. Zirconium Species as Tools in Phosphorus Chemistry: II. [Cp₂ZrMe₂], a Useful Reagent. **1998**, 176, 1-16.
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