

# Recent Reviews. 42

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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 middle part of the 1996 literature. Previous installment: *J. Org. Chem.* 1996, 61(14), 4860–8.

These Recent Review articles are now also available in a database form on the ACS Organic Division WWW site <http://www.organic.emory.edu/acsorg/index.html>.

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**2.** Armstrong, R. W.; Combs, A. P.; Tempest, P. A.; Brown, S. D.; Keating, T. A. Multiple-Component Condensation Strategies for Combinatorial Library Synthesis. **1996**, 29(3), 123–31.

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**4.** Gordon, E. M.; Gallop, M. A.; Patel, D. V. Strategy and Tactics in Combinatorial Organic Synthesis. Applications to Drug Discovery. **1996**, 29(3), 144–54.

**5.** Still, W. C. Discovery of Sequence-Selective Peptide Binding by Synthetic Receptors Using Encoded Combinatorial Libraries. **1996**, 29(3), 155–63.

**6.** Hsieh-Wilson, L. C.; Xiang, X.-D.; Schultz, P. G. Lessons from the Immune System: From Catalysis to Material Science. **1996**, 29(3), 164–70.

**7.** Saigusa, H.; Lim, E. C. Excimer Formation in van der Waals Dimers and Clusters of Aromatic Molecules. **1996**, 29(4), 171–8.

**8.** Agosta, W. C.; Margaretha, P. Exploring the 1,5 Cyclization of Alkyl Propargyl 1,4 Biradicals. **1996**, 29(4), 179–82.

**9.** Gamlin, J. N.; Jones, R.; Leibovitch, M.; Patrick, B.; Scheffer, J. R.; Trotter, J. The Ionic Auxiliary Concept in Solid State Organic Photochemistry. **1996**, 29(4), 203–9.

**10.** Shaik, S.; Zilberg, S.; Haas, Y. A Kekulé-Crossing Model for the "Anomalous" Behavior of the  $b_{2u}$  Modes of Aromatic Hydrocarbons in the Lowest Excited  $^1b_{2u}$  State. **1996**, 29(5), 211–18.

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**12.** Rabideau, P. W.; Sygula, A. Buckybowls: Poly-nuclear Aromatic Hydrocarbons Related to the Buckminsterfullerene Surface. **1996**, 29(5), 235–42.

**13.** Rozen, S. Elemental Fluorine: Not Only for Fluoroorganic Chemistry! **1996**, 29(5), 243–8.

**14.** Haw, J. F.; Nicholas, J. B.; Xu, T.; Beck, L. W.; Ferguson, D. B. Physical Organic Chemistry of Solid Acids: Lessons From *in situ* NMR and Theoretical Chemistry. **1996**, 29(6), 259–67.

**15.** Carpino, L. A.; Beyermann, M.; Wenschuh, H.; Bienert, M. Peptide Synthesis via Amino Acid Halides. **1996**, 29(6), 268–74.

**16.** Adam, W.; Prein, M.  $\pi$ -Facial Diastereoselectivity in the [4 + 2] Cycloaddition of Singlet Oxygen as a Mechanistic Probe. **1996**, 29(6), 275–83.

**17.** Gao, J. Hybrid Quantum Mechanical/Molecular Mechanical Simulations: An Alternative Avenue to Solvent Effects in Organic Chemistry. **1996**, 29(6), 298–305.

**18.** Ganem, B. Inhibitors of Carbohydrate-Processing Enzymes: Design and Synthesis of Sugar-Shaped Heterocycles. **1996**, 29(7), 340–7.

**19.** Trost, B. M. Designing a Receptor for Molecular Recognition in a Catalytic Synthetic Reaction: Allylic Alkylation. **1996**, 29(8), 355–64.

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**20.** Doyle, M. P. Chiral Dirhodium Carboxamides: Catalysts for Highly Enantioselective Syntheses of Lactones and Lactams. **1996**, 29(1), 3–11.

**21.** Sabitha, G. 3-Formylchromone as a Versatile Synthon in Heterocyclic Chemistry. **1996**, 29(1), 13–25.

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**23.** Sowellim, S. Z. A.; Eltawee, F. M. A. A.; Elagamey, A. G. A. Activated Nitriles in Organic Synthesis—Synthesis of Pyranoquinolinone, 6H-2-Benzopyran[4,3-c]quinolinone and Thieno[2,3-b]Pyridine. **1996**, 133(3), 229–34.

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