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BAEYER-VILLIGER Aromatic Tritylation; BAEYER-VILLIGER Ketone Oxidation; BAILEY Crisscross Cycloaddition; BAKER-VENKATARAMAN Flavone Synthesis; BALABAN Pyrylium Salt Synthesis; BALLY-SCHOLL Benzanthrene Synthesis; BALSON Aromatic Alkylation; BAMBERGER Benzotriazine Synthesis; BAMBERGER Imidazole Cleavage; BAMFORD-STEVENS Tosylhydrazone Decomposition; BARBAS-LIST Asymmetric Michael Reaction; BARBIER In Situ Grignard Reaction; BARBIER-WIELAND Ester Chain Degradation; BARDHAN-SENGUPTA Phenanthrene Synthesis; BARGELLINI 3-Component Carboxylic Acid Synthesis; BARLUENGA Iodination Reagent; BARTON Arylation; BARTON Deamination; BARTON Decarboxylation; BARTON Nitrite Photolysis; BARTON-KELLOG Olefination; BARTON-McCOMBIE Alcohol Deoxygenation; BART-SHELLER Aromatic Arsonylation; BAUDISCH Nitrosophenol Synthesis; BECHAMP Phenol, Aniline Arsonylation; BECKMANN Oxime Rearrangement or Fragmentation; BELLER Multicomponent Amino Acid Synthesis; BENARY Conjugated Aldehyde Synthesis; BERCHTOLD Enamine Homologation; BERGMAN Cycloaromatization; BERNTSEN Acridine Synthesis; BERTRAND-STEPHAN Metal-free Bond Activation; BESTMANN Cumulene Ylides; BIGINELLI Pyrimidone Synthesis; BIRCH Na-NH<sub>3</sub> Reduction; BISCHLER Benzotriazine Synthesis; BISCHLER-MOHLAU Indole Synthesis; BISCHLER-NAPIERALSKI Isoquinoline Synthesis; BLACK Enol Carbonate Rearrangement; BLANC-QUELLET Chloroalkylation; BLICKE-PACHTER Pteridines Synthesis; BLOMQUIST Macrocycles Synthesis; BLUM Aziridine Synthesis; BODROUX-CHICHIBABIN Aromatic Aldehyde Synthesis; BOEKELHEIDE Dipole Ring Expansions; BOGER Thermal Cycloadditions; BOGER N-Heterocycles by Reverse Demand Diels-Alder; BOORD Enol Ether Synthesis; BORCH Reductive Amination; BORSCHE-BEECH Aromatic Aldehyde Synthesis; BOULTON-KATRITZKY Heterocyclic Rearrangement

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### Sommario/riassunto

Organic Syntheses Based on Named Reactions is an indispensable reference companion for chemistry students and researchers. Building on Hassner & Stumer's highly regarded 2e, this new work reviews 750 reactions, with over 100 new stereoselective and regioselective reactions. Each A-Z entry provides a carefully condensed summary of valuable information that a chemist needs to understand and utilize these fundamental reactions in their work, including brief practical details. The book is illustrated with real synthetic examples from the literature and about 3,400 references to the prima

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