1 Acetoacetic ester synthesis
2 Aldol condensation
3 Alkene metathesis
4 Bayer-Villiger oxidation
5 Birch reduction
6 Claisen condensation
7 Claisen rearrangement
8 Clemmensen reduction
9 Cope rearrangement
10 Dieckmann condensation
11 Diels-Alder reaction
12 Friedel-Crafts reaction
13 Gabriel synthesis
14 Grignard reaction
15 Heck coupling
16 Hydroboration reaction
17 Malonic ester synthesis
18 Mannich reaction
19 Michael addition
20 Ozonolysis
21 Sharpless Dihydroxylation
22 Sharpless Epoxidation
23 Simmons-Smith reaction
24 Sonogashira coupling
25 Stille coupling
26 Strecker synthesis of amino acids
27 Suzuki coupling
28 Wadsworth-Emmons reaction
29 Williamson ether synthesis
30 Wittig reaction