

In Color on the Front Cover

(Top left) One-dimensional plot of the repulsive Coulomb barrier that hinders electron emission from the *T* symmetric  $N(\text{BF}_3)_4^{3-}$  trianon. See "Multiply Charged Anions in the Gas Phase" by Andreas Dreuw and Lorenz S. Cederbaum, p 181.

(Top right) Diagram showing the number of papers dealing with phosphetane chemistry from 1960 to date: cumulative values over five years are given. Representative research fields and significant compounds, in chronological order. See "Synthesis and Properties of Phosphetanes" by Angela Marinetti and Duncan Carmichael, p 201.

(Bottom left) Structure of *syn*-Mo(N-2,6-*i*-Pr<sub>2</sub>C<sub>6</sub>H<sub>3</sub>)(CHCMe<sub>2</sub>Ph)[(S)-3,3'-di-*tert*-butyl-5,5',6,6'-tetramethyl-1,1'-biphenyl-2,2'-diolate], the first successful asymmetric metathesis catalyst in a series of molybdenum biphenolate and binaphtholate complexes. See "High Oxidation State Multiple Metal-Carbon Bonds" by Richard R. Schrock, p 145.

(Bottom right) Computer graphical representation of a catalyst prepared by molecular imprinting. Shown is the transition state of the alkaline ester hydrolysis in an active site containing two amidinium groupings. See "Enzyme-like Catalysis by Molecularly Imprinted Polymers" by Günter Wulff, p 1.

In Color on the Back Cover

(Top) Some of the structurally characterized examples of polyhedral boranes and related species with the parameters needed to apply the *mno* rule. See "Electronic Requirements for Macropolyhedral Boranes" by Eluvathingal D. Jemmis, Musiri M. Balakrishnarajan, and Pattath D. Pancharatna, p 93.