1. Record Nr. UNINA9910437820303321 Frustrated Lewis Pairs I [[electronic resource]]: Uncovering and Titolo Understanding / / edited by Gerhard Erker, Douglas W. Stephan Pubbl/distr/stampa Berlin, Heidelberg:,: Springer Berlin Heidelberg:,: Imprint: Springer, , 2013 **ISBN** 3-642-36697-X Edizione [1st ed. 2013.] 1 online resource (VIII, 350 p. 418 illus., 71 illus. in color.) Descrizione fisica Collana Topics in Current Chemistry, , 0340-1022;; 332 Disciplina 540.72 Soggetti Organic chemistry Catalysis Chemistry, Physical and theoretical Organic Chemistry Theoretical and Computational Chemistry Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Bibliographic Level Mode of Issuance: Monograph Note generali Discovery of Frustrated Lewis Pairs: Intermolecular FLPs for Activation Nota di contenuto of Small Molecules, by Douglas W. Stephan -- Intramolecular Frustrated Lewis Pairs: Formation and Chemical Features, by Gerald Kehr, Sina Schwendemann, Gerhard Erker -- Frustrated Lewis Pair Mediated Hydrogenations, by Douglas W. Stephan, Gerhard Erker -- Amine-Borane Mediated Metal-Free Hydrogen Activation and Catalytic Hydrogenation, by Victor Sumerin, Konstantin Chernichenko, Felix Schulz, Markku Leskelä, Bernhard Rieger, Timo Repo -- Hydrogen Activation by Frustrated Lewis Pairs: Insights from Computational Studies, by Tibor András Rokob, Imre Pápai -- Quantum Chemistry of FLPs and Their Activation of Small Molecules: Methodological Aspects. by Birgitta Schirmer, Stefan Grimme -- Computational Design of Metal-Free Molecules for Activation of Small Molecules, Hydrogenation, and Hydroamination, by Zhi-Xiang Wang, Lili Zhao, Gang Lu, Haixia Li, Fang Huang -- Computational Studies of Lewis Acidity and Basicity in Frustrated Lewis Pairs, by Thomas M. Gilbert -- Solid-State NMR as a Spectroscopic Tool for Characterizing Phosphane - Borane Frustrated Lewis Pairs, by Thomas Wiegand, Hellmut Eckert, Stefan Grimme.

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