

## Prof. Dr. İLKER ÖZKAN

### Kişisel Bilgiler

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### Yönetilen Tezler

ÖZKAN İ., Theoretical study of thermal rearrangements of 2-alkylidenecyclopenta-1,3-diyl biradicals, Doktora, U.BÖZKAYA(Öğrenci), 2011

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### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

#### I. Spectroelectrochemical investigations of pyrimidine-2-thionato-bridged binuclear platinum(III) complexes

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- VI. **Reactions of 1S, 1D, and 3P carbon atoms with water. Oxygen abstraction and intermolecular formaldehyde generation mechanisms; An MCSCF study**  
ÖZKAN İ., Dede Y.  
INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY, cilt.112, sa.4, ss.1165-1184, 2012 (SCI-Expanded)
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- VIII. **Intermolecular acetaldehyde and dimethoxymethane formation mechanisms via ethenol and methoxymethylene precursors in reactions of atomic carbon with methanol: a computational study**  
DEDE Y., ÖZKAN İ.  
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- IX. **Energy spectrum and thermodynamics of anisotropic spin-1/2 two-leg ladder**  
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- X. **Competing pathways in the [2+2] cycloadditions of cyclopentyne and benzyne. A DFT and ab initio study**  
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- XI. **Isomerizations of bicyclo[2.1.0]pent-2-ene and tricyclo[2.1.0.0(2,5)]pentane into cyclopenta-1,3-diene: A computational study by DFT and high-level ab initio methods**  
Ozkan I., Kinal A., Balci M.  
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- XII. **Transition structures, energetics, and secondary kinetic isotope effects for cope rearrangements of cis-1,2-divinylcyclobutane and cis-1,2-divinylcyclopropane: A DFT study**  
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- XIII. **Nucleus-independent chemical shift evaluation for benzo- and dibenzo-fused pyrrole, furan and thiophene derivatives**  
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- XIV. **Transition structures and energetics for the Cope rearrangement of cis-1,2-divinylcyclopropane: an ab initio study**  
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- XVIII. Modeling the behavior of longwall coal mine gate roadways subjected to dynamic loading  
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- XIX. The ground state spin ordering and lowest energy excitations of a model organic ferrimagnet-polyallyl spin chain  
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- XXI. FRANCK-CONDON PRINCIPLE FOR POLYATOMIC-MOLECULES - AXIS-SWITCHING EFFECTS AND TRANSFORMATION OF NORMAL COORDINATES  
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## Metrikler

Yayın: 22  
Atıf (WoS): 435  
Atıf (Scopus): 442  
H-İndeks (WoS): 11  
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