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### Education Information

Doctorate, Bogazici University, Institute Of Science, Kimya, Turkey Continues

Undergraduate, Robert Kolej, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey Continues

Robert Kolej, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A facile synthesis of bio-inspired hierarchical microstructure TiO<sub>2</sub> :Characterization and photocatalytic activity**  
Turkten N., KARATAŞ B., KARATAŞ Y., Cinar Z., Bekbolet M.  
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- II. **Copper-doped TiO<sub>2</sub> photocatalysts: application to drinking water by humic matter degradation**  
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- III. **Photocatalytic Degradation of Cefazolin over N-Doped TiO<sub>2</sub> under UV and Sunlight Irradiation: Prediction of the Reaction Paths via DFT**  
ÇINAR Z. H.  
Chemical Engineering Journal, vol.184, pp.113-124, 2012 (SCI-Expanded)
- IV. **Fe<sup>+3</sup>-doped TiO<sub>2</sub>: A combined experimental and computational approach to the evaluation of visible light activity**  
Yalcin Y., Kilic M., Cinar Z.  
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- V. **Photo-Oxidative Degradation of Toluene by Hydroxyl Radicals in Aqueous Media**  
ÇINAR Z. H.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.215, pp.59-68, 2010 (SCI-Expanded)
- VI. **The Role of Non-Metal Doping in TiO<sub>2</sub> Photocatalysis**  
Yalcin Y., Kilic M., Cinar Z.  
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- VII. **Photocatalytic oxidation of dinitronaphthalenes: Theory and experiment**  
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- VIII. **A Quantum Mechanical Approach to TiO<sub>2</sub> Photocatalysis**  
Kilic M., Cinar Z.  
JOURNAL OF ADVANCED OXIDATION TECHNOLOGIES, vol.12, no.1, pp.37-46, 2009 (SCI-Expanded)
- IX. **Surface modification of TiO<sub>2</sub> with ascorbic acid for heterogeneous photocatalysis: Theory and experiment**  
MERT E. H., YALCIN Y., KILIÇ M., SAN N., CINAR Z.  
JOURNAL OF ADVANCED OXIDATION TECHNOLOGIES, vol.11, no.2, pp.199-207, 2008 (SCI-Expanded)

- X. **Hydroxyl radical reactions with 4-chlorophenol as a model for heterogeneous photocatalysis**  
Kilic M., Cinar Z.  
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- XI. **A model for prediction of product distributions for the reactions of phenol derivatives with hydroxyl radicals**  
Kilic M., Koctuerk G., San N., CINAR Z.  
CHEMOSPHERE, vol.69, no.9, pp.1396-1408, 2007 (SCI-Expanded)
- XII. **Structures and mesomorphic properties of cyano-containing calamitic liquid crystal molecules**  
Kilic M., Cinar Z.  
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- XIII. **Reactivity indices for ortho/para monosubstituted phenols**  
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- XIV. **Enhancement and modeling of the photocatalytic degradation of benzoic acid**  
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- XV. **Modeling of the photocatalytic degradation reactions of aromatic pollutants: A solvent effect model**  
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- XVI. **An experimental and theoretical investigation of the photocatalytic degradation of meta-cresol in TiO<sub>2</sub> suspensions: a model for the product distribution**  
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- XVII. **A QSAR Study on the Kinetics of the Reactions of Aliphatic Alcohols with the Photogenerated Hydroxyl Radicals**  
Hatipoğlu A., Cinar Z.  
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- XVIII. **Photocatalytic degradation of 4-nitrophenol in aqueous TiO(2) suspensions: Theoretical prediction of the intermediates**  
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- XIX. **Structure - Activity relations for the photodegradation reactions of monosubstituted anilines in TiO<sub>2</sub> suspensions**  
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- XX. **Prediction of primary intermediates and the photodegradation kinetics of 3-aminophenol in aqueous TiO(2) suspensions**  
San N., HATIPOGLU A., KOCTURK g., CINAR Z. H.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.139, pp.225-232, 2001 (SCI-Expanded)
- XXI. **Calculation of the Activation Energies for the Decomposition Reactions of the Excited Pentafluoropropene**  
ÇINAR Z. H.  
Turkish VIIIth National Symposium on Chemistry and Chemical Engineering, vol.3, pp.7-10, 1992 (SCI-Expanded)
- XXII. **P-Electronic Structures of Mono and Difluoropolienes**  
ÇINAR Z. H.  
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- XXIII. **Investigation of the Kinetics of Halomethane + OH Reactions by BEBO Method**  
ÇINAR Z. H.  
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- I. **Effect of Molecular Properties on the Photocatalytic Degradation Rates of Dichlorophenols and Dichloroanilines in Aqueous TiO<sub>2</sub> Suspensions**  
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- II. **Photodegradation Kinetics of Aniline in Aqueous TiO<sub>2</sub> Suspensions**  
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- III. **Su Arıtımında Kullanılan Yarı İletkenler**  
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- IV. **Yeni bir Su Arıtım Yöntemi: Heterojen Fotokatalitik Degradasyon**  
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- V. **A Computational Study on the Structures of Halogenated Linear Polyenes**  
ÇINAR Z. H.  
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- VI. **Asetik Asit – Toluen Azeotropuna Basınç ve Tuz Etkilerinin Karşılaştırılması**  
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- VII. **Carbon Suboxide: Its Chemistry and Structure**  
ÇINAR Z. H.  
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- VIII. **Photochemical Reactions of Carbon Suboxide**  
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- IX. **The Statistical Distribution of the Products in the Vacuum-UV Photolysis of Carbon Suboxide with Trifluoromethane**  
ÇINAR Z. H.  
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- X. **Salt Effects on n-Heptane – Acetic Acid Vapor Liquid Equilibria**  
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- XI. **Vacuum-UV Absorption Spectrum and the Electronic Structure of Carbon Suboxide**  
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- XII. **Glass-Transition Temperature of Polymers**  
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- XIII. **Asetik Asit – Toluen Azeotropuna Basınç Etkisi**  
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- XIV. **Isı ile Hızlandırılmış Reaksiyonlar ile Dayanıklılık Saptanması**  
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- I. **On the Codoping Effect of Titania**

ÇINAR Z. H., Y. Gurkan Y., Kasapbaşı E.

SPASEC-18 The 18th International Conference on Semiconductor Photocatalysis and Solar Energy Conversion, 01 November 2013

- II. **Treatment Performance of Anion-Doped TiO<sub>2</sub> for the Removal of Complex Organic Matter**  
Uyguner-Demirel C. S., Sen-Kavurmacı S., Y. Gurkan Y., Türkten N., ÇINAR Z. H., Bekbolet M.  
SPASEC-18 The 18th International Conference on Semiconductor Photocatalysis and Solar Energy Conversion, 01 November 2013
- III. **Comparative Evaluation of Anion Doped Photocatalysts on the Mineralization and Decolorization of Natural Organic Matter**  
ÇINAR Z. H., Uyguner-Demirel C. S., Sen-Kavurmacı S., Y. Gurkan Y., Türkten N., Cinar Z., Bekbolet M.  
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- IV. **Reactivity Descriptors For The Degradation Reactions Of Organophosphorous Compounds**  
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- V. **The Use of DFT Descriptors for Prediction of the Photocatalytic Degradation Mechanism of Azo Dyes on TiO<sub>2</sub>**  
ÇINAR Z. H., Turkten N.  
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- VI. **Solar Photocatalytic Performance of Anion Doped TiO<sub>2</sub> on the Degradation of Complex Organic Matrix**  
ÇINAR Z. H., Uyguner-Demirel, C., Sen-Kavurmacı S., Y. Gurkan Y., Turkten N., Cinar Z., Bekbolet M.  
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- VII. **On the Cation-Doping Effect of TiO<sub>2</sub>: Mid-Gap Levels in Wide Band-Gap**  
ÇINAR Z. H.  
SPASEC-17, Semiconductor Photocatalysis and Solar Energy Conversion (invited lecture), November 11-15, , Jacksonville, Florida, 01 November 2012
- VIII. **Sunlight-Assisted Photocatalytic Decolorization of Azo Dyes on B-Doped TiO<sub>2</sub>: Prediction of Intermediates Via Conceptual DFT**  
ÇINAR Z. H.  
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- IX. **Bis(fenilimin) Schiff Bazı Metal Komplekslerinin Kimyasal Reaktivite İndisleri**  
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XXVI. Ulusal Kimya Kongresi, Muğla Sıtkı Koçman Üniversitesi, Muğla, Turkey, 01 October 2012, pp.105
- X. **Solar Light-Driven Titania Photocatalyst Co-Doped with Nitrogen and Selenium**  
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The 10th Chemical Physics Congress, October 10-12, TOBB University of Economics and Technology, Ankara, Turkey, 01 October 2012
- XI. **A Mechanistic Approach to the Photocatalytic Decolorization of Reactive Red 195 on Boron-Doped TiO<sub>2</sub>**  
ÇINAR Z. H.  
The 10th Chemical Physics Congress, October 10-12, TOBB University of Economics and Technology, Ankara, Turkey, 01 October 2012
- XII. **On the Use of DFT Descriptors for the Prediction of the Photocatalytic Degradation Pathways: A Case Study on Cefazolin**  
ÇINAR Z., Yalçın Gurkan Y., TÜRK TEN Ü. N., HATİPOĞLU A.  
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- XIII. **A Density Functional Theory Study on the Nitrogen/Sulfur Codoping Effect of TiO<sub>2</sub>**  
ÇINAR Z. H.  
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November 7-10, San Diego, California, USA, 01 November 2011

- XIV. **Pirinç Kabuğu Katkılı Betonun Yüksek Sıcaklık Performansı**, pp. 43-54, 5-7 Ekim, Çeşme, İzmir  
ÇINAR Z. H.  
8. Ulusal Beton Kongresi, 01 October 2011
- XV. **Se(IV) Katkısının TiO<sub>2</sub> Nano-partiküllerinin Elektronik ve Optik Özelliklerine Etkisinin Kuantum Mekaniksel İncelemesi**  
ÇINAR Z. H.  
XXV. Ulusal Kimya Kongresi, 27 Haziran- 2 Temmuz, Atatürk Üniversitesi, Erzurum, 01 June 2011
- XVI. **Ametal Katkılandırması ile Güneş Işığına Duyarlı Yeni TiO<sub>2</sub> Fotokatalizörlerin Hazırlanması, Karakterizasyonu ve DFT Modellemesi**  
ÇINAR Z. H.  
XXV. Ulusal Kimya Kongresi, 27 Haziran- 2 Temmuz, Atatürk Üniversitesi, Erzurum, 01 June 2011
- XVII. **On The Origin of Visible-Light Activity of The Co-Doped TiO<sub>2</sub> Photocatalysis**  
ÇINAR Z. H.  
The 15th International Conference On TiO<sub>2</sub> Photocatalysis: Fundamentals And Applications, (Invited Lecture) November 15-18, San Diego, California, USA (2010), 01 November 2010
- XVIII. **Origin of Visible-Light Activity of N-Doped TiO<sub>2</sub> Photocatalysts**  
ÇINAR Z. H.  
The 9th Chemical Physics Congress, October 14-16, İzmir Institute of Technology, Çeşme, Turkey, 01 October 2010
- XIX. **An Experimental and Computational Approach to the Visible Light Activity of C-Doped TiO<sub>2</sub>**  
ÇINAR Z. H.  
The 9th Chemical Physics Congress, October 14-16, İzmir Institute of Technology, Çeşme, Turkey, 01 October 2010
- XX. **N-S-Co-Doped TiO<sub>2</sub>: Preparation, Characterization and Photocatalytic Activity**  
ÇINAR Z. H.  
The 9th Chemical Physics Congress, October 14-16, İzmir Institute of Technology, Çeşme, Turkey, 01 October 2010
- XXI. **H-Abstraction Reactions from Propanols by OH Radicals: Ab Initio Study of the Possible Pathways and the Role of Solvent Water**  
ÇINAR Z. H.  
The 9th Chemical Physics Congress, October 14-16, İzmir Institute of Technology, Çeşme, Turkey, 01 October 2010
- XXII. **Modeling The Photooxidative Degradation of Pyridine In The Presence of TiO<sub>2</sub>**  
ÇINAR Z. H.  
8th European Conference on Computational Chemistry, 25-28 August, Lund, Sweden, 01 August 2010
- XXIII. **Nickel Complexes of A Tridentate Bis (Phenylimine) Schiff Base : A DFT Study**  
ÇINAR Z. H.  
8th European Conference on Computational Chemistry, 25-28 August, Lund, Sweden, 01 August 2010
- XXIV. **Bor Katkılı TiO<sub>2</sub> in Tasarımı, Karakterizasyonu, Yapısal Ve Elektronik Özellikleri**  
ÇINAR Z. H.  
XXIV. Ulusal Kimya Kongresi, 29 Haziran- 2 Temmuz, FP-105, Zonguldak Karaelmas Üniversitesi, Zonguldak, 01 June 2010
- XXV. **The Structure and Photocatalytic Activity of C-Doped TiO<sub>2</sub> Characterization and DFT Modeling**  
ÇINAR Z. H.  
First International Workshop on Application of Redox Technologies in the Environment, 14-15 September, İstanbul, Turkey, 01 September 2009
- XXVI. **Visible-Light Active TiO<sub>2</sub> Photocatalysts by Nitrogen Doping**  
ÇINAR Z. H.  
First International Workshop on Application of Redox Technologies in the Environment, (oral), 14-15 September, İstanbul, Turkey, 01 September 2009
- XXVII. **Güneş Işığına Duyarlı Kükürt Katkılı TiO<sub>2</sub> nin Tasarımı, Yapısal ve Elektronik Özellikleri**  
ÇINAR Z. H.  
XXIII. Ulusal Kimya Kongresi, 16-20 Haziran, FP-58, Cumhuriyet Üniversitesi, Sivas, 01 June 2009
- XXVIII. **TiO<sub>2</sub> in Fotokatalitik Aktivitesinin Yüzey Modifikasyonu ile Arttırılması**

- ÇINAR Z. H.  
2. Ulusal İleri Oksidasyon Teknolojileri Kongresi (IOPT), 7 Kasım, Boğaziçi Üniversitesi, İstanbul, 01 November 2008
- XXIX. **Azot Katkılı TiO<sub>2</sub>: Sentezi, Karakterizasyonu ve DFT Modellemesi**  
ÇINAR Z. H.  
2. Ulusal İleri Oksidasyon Teknolojileri Kongresi (IOPT), 7 Kasım, Boğaziçi Üniversitesi, İstanbul, 01 November 2008
- XXX. **Piridin-Bis(fenilimin) Bakır ve Çinko Komplekslerinin Yapılarının MM ve QM Yöntemleriyle Modellenmesi**  
ÇINAR Z. H.  
XXII. Ulusal Kimya Kongresi, 6-10 Ekim, Mağusa-K.K.T.C., 01 October 2008
- XXXI. **DFT Modeling of the Bis(phenylimine) Schiff Base Ligands and Their Metal Complexes**  
ÇINAR Z. H.  
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- XXXII. **Carbon-Doped TiO<sub>2</sub>: Characterization and DFT Modeling of The Surface**  
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25 Years In TiO<sub>2</sub> Photocatalysis: Retrospective And Perspective Views TiO<sub>2</sub>-13, 22-25 September, San Diego, California-USA, 01 September 2008
- XXXIII. **Atmospheric Toluene Destruction by OH Radicals**  
ÇINAR Z. H.  
7th European Conference On Computational Chemistry, 11-15 September, Venice, ITALY, 01 September 2008
- XXXIV. **Effect of Selenium Ion Dopants on the Structure and Photocatalytic Activity of Anatase**  
ÇINAR Z. H.  
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- XXXV. **Gas-Phase Reactions of the OH Radicals with Glycols: A Mechanistic Study**  
ÇINAR Z. H.  
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- XXXVI. **N-Doped TiO<sub>2</sub>: Characterization and DFT Modeling**  
ÇINAR Z. H.  
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- XXXVII. **Characterization of Surface-Modified TiO<sub>2</sub> with Salicylic Acid: A New Modeling Approach**  
ÇINAR Z. H.  
The 12th International Conference On TiO<sub>2</sub> Photocatalysis: Fundamentals And Applications, 24-28 September, Niagara Falls, New York, USA, 01 September 2007
- XXXVIII. **Roles of Selenium Ion Dopants on TiO<sub>2</sub> in The Photocatalytic Degradation of 3-Chlorophenol: A Novel Modeling Approach**  
ÇINAR Z. H.  
The 12th International Conference On TiO<sub>2</sub> Photocatalysis: Fundamentals and Applications, (oral), 24-28 September, Niagara Falls, New York, USA, 01 September 2007
- XXXIX. **Photocatalytic Degradation of Cefazolin: A Mechanistic Approach**  
ÇINAR Z. H.  
The 12th International Conference On TiO<sub>2</sub> Photocatalysis: Fundamentals And Applications, 24-28 September, Niagara Falls, New York, USA, 01 September 2007
- XL. **Yüksek Aktiviteli Yeni Bir Fotokatalizör Tasarımı**  
ÇINAR Z. H.  
XXI. Ulusal Kimya Kongresi, 23-27 Ağustos, İnönü Üniversitesi, Malatya, 01 August 2007
- XLI. **The Role of Molecular Modeling in Semiconductor Photocatalysis**  
ÇINAR Z. H.  
The 2nd International Conference on Semiconductor Photochemistry, (oral), The Robert Gordon University, 23-25 July, Aberdeen, U.K., 01 July 2007
- XLII. **Effect of N-Doping on the Photocatalytic Activity of TiO<sub>2</sub> : Characterization and DFT Modeling of the**

## Surface

ÇINAR Z. H.

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- XLIII. **İleri Oksidasyon Sistemlerine Teorik bir Yaklaşım**  
ÇINAR Z. H.  
1. Ulusal İleri Oksidasyon Teknolojileri Kongresi (IOPT), 25 Mayıs, Boğaziçi Üniversitesi, İstanbul, 01 May 2007
- XLIV. **A Theoretical Investigation on the Kinetics of the Reactions of OH Radicals with Phenols**  
ÇINAR Z. H.  
The 9th Euroasia Conference on Chemical Sciences, 94 , September 9-13, Antalya, TURKEY,, 01 September 2006
- XLV. **Kinetics of the Photocatalytic Degradation Reaction of 4-Hydroxypyridine: A Mechanistic Approach**  
ÇINAR Z. H.  
The 9th Euroasia Conference on Chemical Sciences, 107, September 9-13, Antalya, TURKEY, 01 September 2006
- XLVI. **Modification of the Structures and Properties of CBs by Lateral Halogen Substituents**  
ÇINAR Z. H.  
The 9th Euroasia Conference on Chemical Sciences, 93, September 9-13, Antalya, TURKEY, 01 September 2006
- XLVII. **Enhancement of the Photocatalytic Activity of TiO<sub>2</sub> by Cobalt-Ion Doping**  
ÇINAR Z. H.  
The 9th Euroasia Conference on Chemical Sciences, 106, September 9-13, Antalya, TURKEY, 01 September 2006
- XLVIII. **Yeni Sıvı Kristal Moleküllerin Tasarımı**  
ÇINAR Z. H.  
XX. Ulusal Kimya Kongresi, FKS-15, 4-8 Eylül, Erciyes Üniversitesi, Kayseri, 01 September 2006
- XLIX. **A Theoretical Approach to Carcinogenicity**  
ÇINAR Z. H.  
The 9th Euroasia Conference on Chemical Sciences, 91, September 9-13, Antalya, TURKEY, 01 September 2006
- L. **Fe(III) Katkılı ve Yüzeyi Modifiye Edilmiş Anatazın Fotokatalitik Aktivitelerinin Karşılaştırılması**  
ÇINAR Z. H.  
XX. Ulusal Kimya Kongresi, FKP-152, 4-8 Eylül, Erciyes Üniversitesi, Kayseri, 01 September 2006
- LI. **An Investigation of the Electronic Structures and Mesomorphic Properties of Cyano-Containing LCs by MM and QM Methods**  
ÇINAR Z. H.  
The 9th Euroasia Conference on Chemical Sciences, 92, September 9-13, Antalya, TURKEY,, 01 September 2006
- LII. **Ab Initio Study of the Gas-Phase Reactions of the OH Radicals with Butanediols**  
ÇINAR Z. H.  
The 9th Euroasia Conference on Chemical Sciences, 90, September 9-13, Antalya, TURKEY, 01 September 2006
- LIII. **Pirimidinin Fotokatalitik Degradasyon Reaksiyonunun Modellenmesi**  
ÇINAR Z. H.  
XX. Ulusal Kimya Kongresi, FKP-116, 4-8 Eylül, Erciyes Üniversitesi, Kayseri, 01 September 2006
- LIV. **An Investigation of the Relations Between the Molecular Properties and the Photoreactivities of ortho/para Monosubstituted Phenols**  
ÇINAR Z. H.  
The 7th International Conference on Chemical Physics, O4, May 19-20, Eğirdir, Isparta, TURKEY, 01 May 2006
- LV. **Kinetics of the Gas-Phase Reactions of the OH Radicals with Ethane- and Propanediols**  
ÇINAR Z. H.  
The 7th International Conference on Chemical Physics, P02, May 19-20, Eğirdir, Isparta, TURKEY, 01 May 2006
- LVI. **An Experimental and Theoretical Investigation of the Photocatalytic Degradation of 2-Hydroxypyridine**  
ÇINAR Z. H.  
The 7th International Conference on Chemical Physics, P74, May 19-20, Eğirdir, Isparta, TURKEY,, 01 May 2006
- LVII. **A Theoretical Investigation on the Gas and Aqueous Phase Reactions of 4-Chlorophenol with the Photogenerated Hydroxyl Radicals**

- ÇINAR Z. H.  
The 7th International Conference on Chemical Physics, P44, May 19-20, Eğirdir, Isparta, TURKEY, 01 May 2006
- LVIII. **Effect of Surface Modification of TiO<sub>2</sub> on the Photocatalytic Degradation of Hydroquinone**  
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- LIX. **Roles of 3d-Metal Ion Dopants on TiO<sub>2</sub> in the Photocatalytic Degradation of Catechol**  
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- LXI. **DFT Reactivity Descriptors for Monosubstituted Anilines**  
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- LXIV. **Bütandiol OH Reaksiyonlarının Kinetik Modellenmesi**  
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19. Ulusal Kimya Kongresi, FKP74, 30 Eylül-4 Ekim, Ege Üniversitesi, Kuşadası, 01 September 2005
- LXV. **Piridin'in Sulu TiO<sub>2</sub> Suspansiyonlarındaki Fotokatalitik Degradasyon Kinetiği : Ürün Dağılımı için Teorik bir Model**  
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- LXVI. **A DFT Study of the Structures and Properties of Cyano-Containing Liquid Crystal Molecules**  
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- LXVII. **Aromatik Kirleticilerin Fotokatalitik Degradasyon Reaksiyonlarının Kuantum Mekaniksel Teknikler ile Modellenmesi**  
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19. Ulusal Kimya Kongresi, FKP88, 30 Eylül-4 Ekim, Ege Üniversitesi, Kuşadası, 01 September 2005
- LXVIII. **Enhancement of the Photocatalytic Degradation Rate of Benzoic Acid**  
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19. Ulusal Kimya Kongresi, FKP85, 30 Eylül-4 Ekim, Ege Üniversitesi, Kuşadası, 01 September 2005
- LXIX. **Monosüstitüe Fenollerin Yapısal Özelliklerinin Fotokatalitik Reaktivitelerine Etkisi**  
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- LXX. **A Density Functional Theory Study of the Structures of Halogenated Peroxyl Radicals**  
ÇINAR Z. H.  
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- LXXI. **An Ab Initio Study on the Structures and Properties of Cyano-Containing Mesogens**  
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- LXXII. **A Theoretical Study on the Structures of Boranes**  
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- LXXIII. **Modelling of the Reactions of Ethane- and Propanediols with Hydroxyl Radicals**  
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- LXXIV. **A Theoretical Study on the Reactions of Phenol Derivatives with Hydroxyl Radicals**  
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- LXXV. **Modelling of the Photocatalytic Degradation of Hydroquinone in the Presence of Iron-Doped TiO<sub>2</sub>**  
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- LXXVI. **A QSAR Study on the Kinetics of the Reactions of Phenol Derivatives with Photogenerated Hydroxyl Radicals**  
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- LXXVII. **A QSAR Study on the Photocatalytic Degradation Rates of Chlorinated Aromatics in the Presence of TiO<sub>2</sub>**  
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- LXXVIII. **Photocatalytic Degradation of Resorcinol in Aqueous TiO<sub>2</sub> Suspensions : Reaction Paths and Product Distribution**  
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- LXXIX. **Density Functional Theory and Ab Initio Study of the Structures of Alkylolithiums**  
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- LXXX. **A DFT Study on the Structures and Stabilities of Tetrahydropyran Derivatives**  
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- LXXXI. **An Ab Initio Study on the Structures of Tetrahydropyran Derivatives**  
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- LXXXII. **A QSAR Study on the Kinetics of Diels-Alder Cycloaddition Reactions of Substituted Dienophiles**  
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- LXXXIII. **Correlations between the Photocatalytic Rate Constants of Dichlorophenols and Dichloroanilines and Their Molecular Properties**

- ÇINAR Z. H.  
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- LXXXIV. **A Study on the Structures of the Substituted Aminomethylithium Compounds**  
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- LXXXV. **A QSAR Study on the Kinetics of the Reactions of Aliphatic Alcohols with Hydroxyl Radicals**  
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ÇINAR Z. H.  
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- LXXXVII. **Prediction of the Primary Intermediates and the Photodegradation Kinetics of 2-Chlorophenol in Aqueous TiO<sub>2</sub> Suspensions**  
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- LXXXIX. **A Study of the Kinetics of H-Abstraction from Propanols by OH Radicals**  
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- XCII. **Photocatalytic Degradation of m-Cresol in Aqueous TiO<sub>2</sub> Suspensions : A Theoretical Prediction of the Intermediates**  
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- CIV. A Computational Study on the Kinetics of DNA OH Reactions**  
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- ÇINAR Z. H., Yüksek Termal Taşıyıcı Kaplamalar için Nano Partikül Katkı Maddeleri, 2011 - 2014
- ÇINAR Z. H., Project Supported by Higher Education Institutions, Yeni TiO<sub>2</sub> Nano-Fotokatalizörlerin Tasarımı, Sentezi ve Karakterizasyonu, 2010 - 2014
- ÇINAR Z. H., Other International Funding Programs, Graft Polimerizasyon Reaksiyonlarının Kuantum Mekaniksel Yöntemlerle Modellenmesi, 2007 - 2010
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