

Kişisel Bilgiler

E-posta: ional@metu.edu.tr

Yönetilen Tezler

- ÖNAL I., Quantum mechanical study of propylene epoxidation on various metal oxide surfaces, Doktora, İ.TEZSEVİN(Öğrenci), 2018
- ÖNAL I., Theoretical and experimental investigation of water-gas shift reaction over supported copper/iron oxide catalysts, Doktora, Ö.YALÇIN(Öğrenci), 2017
- ÖNAL I., Quantum mechanical investigation of CO oxidation conducted on automotive exhaust emission catalysts containing La and Pd/La on ceria-zirconia, Yüksek Lisans, Y.KAYA(Öğrenci), 2016
- ÖNAL I., Propylene epoxidation on CuO and Li promoted cuo catalysts: A density functional theory study, Yüksek Lisans, M.GEZER(Öğrenci), 2014
- ÖNAL I., Development of three way catalytic converters for elimination of hydrocarbons, carbon monoxide and nitric oxide in automotive exhaust, Yüksek Lisans, A.CİVAN(Öğrenci), 2014
- ÖNAL I., Exhaust gas cleaning by three way catalytic converters, Yüksek Lisans, Z.KARAKOÇ(Öğrenci), 2013
- ÖNAL I., Removal of hydrocarbons, carbon monoxide and nitric oxides in automotive exhaust with three way catalytic converter, Yüksek Lisans, D.GERÇEKER(Öğrenci), 2013
- ÖNAL I., Catalytic reaction of propylene to propylene oxide on various catalysts, Yüksek Lisans, Ş.KALYONCU(Öğrenci), 2012
- ÖNAL I., Application of density functional theory to propylene to propylene oxide catalytic reaction, Yüksek Lisans, D.ONAY(Öğrenci), 2012
- ÖNAL I., A study of catalytic nanocarbon synthesis by means of quantum mechanical methods, Yüksek Lisans, İ.TEZSEVİN(Öğrenci), 2012
- ÖNAL I., Computational study of ethylene epoxidation, Doktora, M.OLUŞ(Öğrenci), 2011
- ÖNAL I., Epoxidation reactions of small alkenes on catalytic surfaces, Yüksek Lisans, E.KURNAZ(Öğrenci), 2011
- ÖNAL I., A quantum chemical study of water and ammonia adsorption mechanisms on titanium dioxide surfaces, Yüksek Lisans, R.ERDOĞAN(Öğrenci), 2010
- ÖNAL I., A DFT study of ethylene adsorption and hydrogenation mechanisms on nickel, Yüksek Lisans, N.DUYGU(Öğrenci), 2010
- ÖNAL I., Development of sol-gel catalysts by use of fast combinatorial synthesis and high throughput testing techniques for catalytic oxidation of propylene to propylene oxide, Doktora, D.DÜZENLİ(Öğrenci), 2010
- ÖNAL I., Catalytic partial oxidation of propylene on metal surfaces by means of quantum chemical methods, Yüksek Lisans, A.CAN(Öğrenci), 2010
- ÖNAL I., Development of a three way catalytic converter for elimination of hydrocarbons, carbon monoxide and nitric oxide in automotive exhaust, Yüksek Lisans, N.KANDİLLİ(Öğrenci), 2010
- ERKOÇ Ş., ÖNAL I., Quantum mechanical treatment of fullerene-based systems doped with various metal and non-metal elements as prospective spin-qubits, Yüksek Lisans, S.POLAD(Öğrenci), 2010
- ÖNAL I., A density functional theory study of catalytic epoxidation of ethylene and propylene, Doktora, M.FERDİ(Öğrenci), 2009
- ÖNAL I., Quantum mechanical calculation of nitrous oxide decomposition on transition metals, Yüksek Lisans, M.KAAN(Öğrenci), 2007
- ÖNAL I., Quantum chemical simulation of nitric oxide reduction by ammonia (SCR reaction) on V2O5/TiO2 catalyst surface, Yüksek Lisans, S.SOYER(Öğrenci), 2005
- ÖNAL I., Quantum mechanical calculation of ethylene hydrogenation on nickel 111 single crystal surface and nickel nanoclusters, Yüksek Lisans, A.SAYAR(Öğrenci), 2005
- ÖNAL I., Quantum chemical simulation of NO reduction by ammonia (SCR reaction) on V2O5 catalyst surface, Yüksek Lisans, A.UZUN(Öğrenci), 2003
- ÖNAL I., Catalytic partial oxidation of methane to formaldehyde, Yüksek Lisans, B.AKBULUT(Öğrenci), 2000
- ÖNAL I., Computational quantum chemical study of oxidative dehydrogenation of propene to propylene, Yüksek Lisans,

N.UZMAN(Öğrenci), 2000

ÖNAL I., Catalytic partial oxidation of methane, Doktora, Ş.ÖZTÜRK(Öğrenci), 1998

ÖNAL I., An Investigation on the production of sialon ceramics by sol-gel method, Yüksek Lisans, C.AKSEL(Öğrenci), 1996

DOĞU T., ÖNAL I., Oxidative coupling of methane using superconductor and semiconductor type catalytic materials, Doktora, Y.ERARSLANOĞLU(Öğrenci), 1995

ÖNAL I., The Use of natural zeolite as catalyst in the production of ethylbenzene, Yüksek Lisans, Ö.ESEN(Öğrenci), 1994

ÖNAL I., Production of sialon ceramics via sol-gel process, Yüksek Lisans, M.NİLGÜN(Öğrenci), 1992

ÖNAL I., Efficient catalysts for oxidative coupling of methane, Yüksek Lisans, O.ALTIN(Öğrenci), 1992

ÖNAL I., Transient modeling of diffusivity for monolithic catalyst by using pulse testing technique, Yüksek Lisans, Z.KHEDR(Öğrenci), 1991

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- **Role of Local Structure on Catalytic Reactivity: Comparison of Methanol Oxidation by Aqueous Bioinorganic Enzyme Mimic (Vanadium Haloperoxidase) and Vanadia-Based Heterogeneous Catalyst (Supported VO₄/SiO₂)**
Yalcin O., Erwin J. E. M. , Gerceker D., ÖNAL I., Wachs I. E.
ACS CATALYSIS, cilt.10, ss.1566-1574, 2020 (SCI İndekslerine Giren Dergi)
- **A comparative experimental and density functional study of glucose adsorption and electrooxidation on the Au-graphene and Pt-graphene electrodes**
Caglar A., Duzenli D., ÖNAL I., Tersevin I., Sahin O., Demir Kıvrak H.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.45, ss.490-500, 2020 (SCI İndekslerine Giren Dergi)
- **A density functional theory study of propylene epoxidation mechanism on Ag₂O(001) surface**
Tezsevin I., van Santen R. A. , ÖNAL I.
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, cilt.20, ss.26681-26687, 2018 (SCI İndekslerine Giren Dergi)
- **Density functional theory study of interactions between carbon dioxide and functionalized polyhedral oligomeric silsesquioxanes**
Tezsevin I., Demirtas C., ÖNAL I., DİLEK HACIHABİBOĞLU Ç.
INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY, cilt.117, 2017 (SCI İndekslerine Giren Dergi)
- **A density functional theory study of propylene epoxidation on RuO₂(110) surface**
Atmaca D. O. , Duzenli D., Ozbek M. O. , ÖNAL I.
APPLIED SURFACE SCIENCE, cilt.385, ss.99-105, 2016 (SCI İndekslerine Giren Dergi)
- **Theoretical and experimental investigation of water gas shift (WGS) reaction over iron oxide catalysts**
Yalcin O., ÖNAL I., Wachs I.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, cilt.252, 2016 (SCI İndekslerine Giren Dergi)
- **A density functional theory study of partial oxidation of propylene on Cu₂O(001) and CuO(001) surfaces**
Duzenli D., Atmaca D. O. , Gezer M. G. , ÖNAL I.
APPLIED SURFACE SCIENCE, cilt.355, ss.660-666, 2015 (SCI İndekslerine Giren Dergi)
- **A Density Functional Theory Study of NO Reduction by C₃H₈ Aided Selective Catalytic Reduction Method**
Tezsevin I., Onay D., FELLAH M. F. , ÖNAL I.
CATALYSIS LETTERS, cilt.145, ss.964-970, 2015 (SCI İndekslerine Giren Dergi)
- **Direct epoxidation of propylene to propylene oxide on various catalytic systems: A combinatorial micro-reactor study**
Kalyoncu S., Duzenli D., ÖNAL I., Seubsai A., Noon D., Senkan S.
CATALYSIS COMMUNICATIONS, cilt.61, ss.16-20, 2015 (SCI İndekslerine Giren Dergi)
- **NaCl-Promoted CuO-RuO₂/SiO₂ Catalysts for Propylene Epoxidation with O₂ at Atmospheric Pressures: A Combinatorial Micro-reactor Study**
Kalyoncu S., Duzenli D., ÖNAL I., Seubsai A., Noon D., Senkan S., Say Z., Vovk E. I. , ÖZENSOY E.
CATALYSIS LETTERS, cilt.145, ss.596-605, 2015 (SCI İndekslerine Giren Dergi)

- **DFT investigation of high temperature water gas shift reaction on chromium-iron mixed oxide catalyst**
Yalcin O., ÖNAL I.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.39, ss.19563-19569, 2014 (SCI İndekslerine Giren Dergi)
- **A DFT study on CO oxidation on Pd-4 and Rh-4 clusters and adsorbed Pd and Rh atoms on CeO₂ and Ce(0.75)Zr(0.25)O(2) supports for TWC applications**
Gerceker D., ÖNAL I.
APPLIED SURFACE SCIENCE, cilt.285, ss.927-936, 2013 (SCI İndekslerine Giren Dergi)
- **Density functional theory investigation of acetylene dehydrogenation on metal exchanged ZSM-5 clusters for initial step of carbon nanotube production**
Tezsevin I., FELLAH M. F. , ÖNAL I.
MICROPOROUS AND MESOPOROUS MATERIALS, cilt.180, ss.102-108, 2013 (SCI İndekslerine Giren Dergi)
- **A DFT Study of Ethylene Hydrogenation Reaction Mechanisms on Ni-13 Nanocluster**
Yilmazer N. D. , FELLAH M. F. , ÖNAL I.
TOPICS IN CATALYSIS, cilt.56, ss.789-793, 2013 (SCI İndekslerine Giren Dergi)
- **Chlorine and Caesium Promotion of Silver Ethylene Epoxidation Catalysts**
Ozbek M. O. , ÖNAL I., van Santen R. A.
CHEMCATCHEM, cilt.5, ss.443-451, 2013 (SCI İndekslerine Giren Dergi)
- **A DFT study on the [VO](1+)-ZSM-5 cluster: direct methanol oxidation to formaldehyde by N₂O**
FELLAH M. F. , ÖNAL I.
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, cilt.15, ss.13969-13977, 2013 (SCI İndekslerine Giren Dergi)
- **Epoxidation of Propene by High-Throughput Screening Method Over Combinatorially Prepared Cu Catalysts Supported on High and Low Surface Area Silica**
Duzenli D., ŞEKER E., Senkan S., ÖNAL I.
CATALYSIS LETTERS, cilt.142, ss.1234-1243, 2012 (SCI İndekslerine Giren Dergi)
- **Effect of Surface and Oxygen Coverage on Ethylene Epoxidation**
Ozbek M. O. , ÖNAL I., van Santen R. A.
TOPICS IN CATALYSIS, cilt.55, ss.710-717, 2012 (SCI İndekslerine Giren Dergi)
- **Epoxidation of Propylene on a [Ag₁₄O₉] Cluster Representing Ag₂O (001) Surface: A Density Functional Theory Study**
Fellah M. F. , ÖNAL I.
CATALYSIS LETTERS, cilt.142, ss.22-31, 2012 (SCI İndekslerine Giren Dergi)
- **Ni-55 nanocluster: a density functional theory study of the binding energy of nickel and ethylene adsorption**
Yilmazer N. D. , Fellah M. F. , ÖNAL I.
TURKISH JOURNAL OF CHEMISTRY, cilt.36, ss.55-67, 2012 (SCI İndekslerine Giren Dergi)
- **Why silver is the unique catalyst for ethylene epoxidation**
Ozbek M. O. , ÖNAL I., van Santen R. A.
JOURNAL OF CATALYSIS, cilt.284, ss.230-235, 2011 (SCI İndekslerine Giren Dergi)
- **Ethylene epoxidation catalyzed by chlorine-promoted silver oxide**
Ozbek M. O. , ÖNAL I., Van Santen R. A.
JOURNAL OF PHYSICS-CONDENSED MATTER, cilt.23, 2011 (SCI İndekslerine Giren Dergi)
- **C-H bond activation of methane on M- and MO-ZSM-5 (M = Ag, Au, Cu, Rh and Ru) clusters: A density functional theory study**
Fellah M. F. , ÖNAL I.
CATALYSIS TODAY, cilt.171, ss.52-59, 2011 (SCI İndekslerine Giren Dergi)
- **An ONIOM and DFT Study of Water and Ammonia Adsorption on Anatase TiO₂ (001) Cluster**
Erdogan R., ÖNAL I.
INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY, cilt.111, ss.2149-2159, 2011 (SCI İndekslerine Giren Dergi)
- **Epoxidation of Ethylene by Silver Oxide (Ag₂O) Cluster: A Density Functional Theory Study**
Fellah M. F. , van Santen R. A. , ÖNAL I.
CATALYSIS LETTERS, cilt.141, ss.762-771, 2011 (SCI İndekslerine Giren Dergi)

- A DFT Study of Direct Oxidation of Benzene to Phenol by N₂O over [Fe(μ -O)Fe](2+) Complexes in ZSM-5 Zeolite**
 Fella M. F. , Pidko E. A. , van Santen R. A. , ÖNAL I.
 JOURNAL OF PHYSICAL CHEMISTRY C, cilt.115, ss.9668-9680, 2011 (SCI İndekslerine Giren Dergi)
- A density functional theory study of C-H bond activation of methane on a bridge site of M-O-M-ZSM-5 Clusters (M = Au, Ag, Fe and Cu)**
 Kurnaz E., Fella M. F. , ÖNAL I.
 MICROPOROUS AND MESOPOROUS MATERIALS, cilt.138, ss.68-74, 2011 (SCI İndekslerine Giren Dergi)
- Ethylene Epoxidation Catalyzed by Silver Oxide**
 Ozbek M. O. , ÖNAL I., van Santen R. A.
 CHEMCATCHEM, cilt.3, ss.150-153, 2011 (SCI İndekslerine Giren Dergi)
- An ONIOM and DFT Study of Water Adsorption on Rutile TiO₂ (110) Cluster**
 Erdogan R., Fella M. F. , ÖNAL I.
 INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY, cilt.111, ss.174-181, 2011 (SCI İndekslerine Giren Dergi)
- Investigation of ruthenium-copper bimetallic catalysts for direct epoxidation of propylene: A DFT study**
 Kizilkaya A. C. , Senkan S., ÖNAL I.
 JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, cilt.330, ss.107-111, 2010 (SCI İndekslerine Giren Dergi)
- A Density Functional Theory Study of Direct Oxidation of Benzene to Phenol by N₂O on a [FeO](1+)-ZSM-5 Cluster**
 Fella M. F. , ÖNAL I., van Santen R. A.
 JOURNAL OF PHYSICAL CHEMISTRY C, cilt.114, ss.12580-12589, 2010 (SCI İndekslerine Giren Dergi)
- A periodic DFT study of water and ammonia adsorption on anatase TiO₂ (001) slab**
 Erdogan R., Ozbek O., ÖNAL I.
 SURFACE SCIENCE, cilt.604, ss.1029-1033, 2010 (SCI İndekslerine Giren Dergi)
- A density functional theory study of ethylene adsorption on Ni-10(111), Ni-13(100) and Ni-10(110) surface cluster models and Ni-13 nanocluster**
 Yilmazer N. D. , Fella M. F. , ÖNAL I.
 APPLIED SURFACE SCIENCE, cilt.256, ss.5088-5093, 2010 (SCI İndekslerine Giren Dergi)
- A Density Functional Study of 1, 1, 5-Tris(4-dimethylaminophenyl)-3-methyl-divinylene**
 Fella M. F. , ÖNAL I.
 INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY, cilt.110, ss.1041-1047, 2010 (SCI İndekslerine Giren Dergi)
- Direct gas-phase epoxidation of propylene to propylene oxide through radical reactions: A theoretical study**
 Kizilkaya A. C. , Fella M. F. , ÖNAL I.
 CHEMICAL PHYSICS LETTERS, cilt.487, ss.183-189, 2010 (SCI İndekslerine Giren Dergi)
- Direct Methane Oxidation to Methanol by N₂O on Fe- and Co-ZSM-5 Clusters with and without Water: A Density Functional Theory Study**
 Fella M. F. , ÖNAL I.
 JOURNAL OF PHYSICAL CHEMISTRY C, cilt.114, ss.3042-3051, 2010 (SCI İndekslerine Giren Dergi)
- New Catalytic Materials for the Direct Epoxidation of Propylene by Oxygen: Application of High-Throughput Pulsed Laser Ablation**
 Kahn M., Seubsai A., ÖNAL I., Senkan S.
 TOPICS IN CATALYSIS, cilt.53, ss.86-91, 2010 (SCI İndekslerine Giren Dergi)
- Propylene Epoxidation: High-Throughput Screening of Supported Metal Catalysts Combinatorially Prepared by Rapid Sol-Gel Method**
 ÖNAL I., Duzenli D., Seubsai A., Kahn M., ŞEKER E., Senkan S.
 TOPICS IN CATALYSIS, cilt.53, ss.92-99, 2010 (SCI İndekslerine Giren Dergi)
- High Throughput Synthesis and Screening of New Catalytic Materials for the Direct Epoxidation of Propylene**
 Kahn M., Seubsai A., ÖNAL I., Senkan S.

COMBINATORIAL CHEMISTRY & HIGH THROUGHPUT SCREENING, cilt.13, ss.67-74, 2010 (SCI İndekslerine Giren Dergi)

- **Oxidation of Benzene to Phenol by N₂O on an Fe²⁺-ZSM-5 Cluster: A Density Functional Theory Study**
Fellah M. F. , van Santen R. A. , ÖNAL I.
JOURNAL OF PHYSICAL CHEMISTRY C, cilt.113, ss.15307-15313, 2009 (SCI İndekslerine Giren Dergi)
- **A density functional theory study of oxidation of benzene to phenol by N₂O on Fe- and Co-ZSM-5 clusters**
Fellah M. F. , ÖNAL I.
TURKISH JOURNAL OF CHEMISTRY, cilt.33, ss.333-345, 2009 (SCI İndekslerine Giren Dergi)
- **A Density Functional Study of Ni-2 and Ni-13 Nanoclusters**
ÖNAL I., Sayar A., Uzun A., ÖZKAR S.
JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE, cilt.6, ss.867-872, 2009 (SCI İndekslerine Giren Dergi)
- **N₂O decomposition on Fe- and Co-ZSM-5: A density functional study**
Fellah M. F. , ÖNAL I.
CATALYSIS TODAY, cilt.137, ss.410-417, 2008 (SCI İndekslerine Giren Dergi)
- **Synthesis of ZSM-5 from modified clinoptilolite and its catalytic activity in alkylation of benzene to ethylbenzene**
KARTAL Ö. E. , ÖNAL I.
CHEMICAL ENGINEERING COMMUNICATIONS, cilt.195, ss.1043-1057, 2008 (SCI İndekslerine Giren Dergi)
- **Activation of light alkanes on pure and Fe and Al doped silica clusters: A density functional and ONIOM study**
Fellah M. F. , ÖNAL I.
TURKISH JOURNAL OF CHEMISTRY, cilt.31, ss.415-426, 2007 (SCI İndekslerine Giren Dergi)
- **A quantum chemical study of nitric oxide reduction by ammonia (SCR reaction) on V₂O₅ catalyst surface**
Soyer S., Uzun A., Senkan S., Onal I.
CATALYSIS TODAY, cilt.118, ss.268-278, 2006 (SCI İndekslerine Giren Dergi)
- **Adsorption of water and ammonia on TiO₂-anatase cluster models**
Onal I., Soyer S., Senkan S.
SURFACE SCIENCE, cilt.600, ss.2457-2469, 2006 (SCI İndekslerine Giren Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- **Comparison between experiment and theory for methanol oxidation by vanadium-enzyme mimics**
Wachs I. E. , Molinari J., Gerceker D., ÖNAL I.
244th National Fall Meeting of the American-Chemical-Society (ACS), Pennsylvania, Amerika Birleşik Devletleri, 19 - 23 Ağustos 2012, cilt.244

Desteklenen Projeler

ÖNAL I., Yükseköğretim Kurumları Destekli Proje, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

ÖNAL I., Yükseköğretim Kurumları Destekli Proje, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

ÖNAL I., Yükseköğretim Kurumları Destekli Proje, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

ÖNAL I., Yükseköğretim Kurumları Destekli Proje, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

ÖNAL I., Yükseköğretim Kurumları Destekli Proje, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

ÖNAL I., Yükseköğretim Kurumları Destekli Proje, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

ÖNAL I., YALÇIN Ö., Yükseköğretim Kurumları Destekli Proje, AMONYUM BORHİDRÜRÜN ZEOLİTLER ÜZERİNDE YENİDEN HİDROJENASYONU, 2013 - 2013

ÖNAL I., CİVAN A., Yükseköğretim Kurumları Destekli Proje, OTOMOBİL EGSOZUNDAKİ HİDROKARBON, KARBON MONOKSİT VE AZOT OKSİT BİLEŞİKLERİNİN ARITILMASI İÇİN ÜÇ YOLLU KATALİTİK KONVERTERLERİN GELİŞTİRİLMESİ, 2013 - 2013

ÖNAL I., TEZSEVİN İ., Yükseköğretim Kurumları Destekli Proje, ÇEŞİTLİ METAL OKSİT YÜZEYLERDE PROPİLEN EPOKSİDASYONUNUN KUANTUM MEKANİK ÇALIŞMASI, 2013 - 2013

ÖNAL I., GÜLBİTER M., Yükseköğretim Kurumları Destekli Proje, KARBON NANOTÜPLERİN KUANTUM KİMYASAL METHODLAR KULLANILARAK KATALİTİK ÜRETİMİ, 2013 - 2013

ÖNAL I., YETİŞEMİYEN P., Yükseköğretim Kurumları Destekli Proje, ÜÇ YOLLU OTOMOTİV KATALİZÖRLERİNİN DENEYSEL VE TEORİK ARAŞTIRMASI, 2013 - 2013

ÖNAL I., Yükseköğretim Kurumları Destekli Proje, Egsoz Gazındaki Hidrokarbon , Karbon Monoksit Ve Azot Oksit (no) Bileşiklerinin Üç Yollu Katalitik Konverter İle Arıtılması, 2012 - 2012

ÖNAL I., Yükseköğretim Kurumları Destekli Proje, Organik Tepkimelerin Katalizör Yüzeyleri Üzerinde Kuantum Kimyasal Hesaplar Yapan Yazılımlar Kullanılarak Ve Deneysel Olarak İncelenmesi., 2011 - 2011

ÖNAL I., Yükseköğretim Kurumları Destekli Proje, Kimyasal Tepkimelerin Kuantum Kimyasal Hesaplar Yapan Yazılım Ve Yüksek Performanslı Bilgisayar Kullanarak İncelenmesi, 2009 - 2010

Atıflar

Toplam Atf Sayısı (WOS):858

h-indeksi (WOS):19