

Prof. MEHMET KADRİ AYDINOL

Personal Information

Office Phone: [+90 312 210 2523](tel:+903122102523)

Email: kadri@metu.edu.tr

Web: <https://avesis.metu.edu.tr/kadri>

Education Information

Doctorate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Metalurji Ve Malzeme Mühendisliği (YI) (Tezli), Turkey 1991 - 1994

Post Graduate, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, Turkey 1989 - 1991

Under Graduate, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, Turkey 1984 - 1989

Foreign Languages

English, C1 Advanced

Research Areas

Corrosion and Corrosion Protection, Physical Metallurgy, Material Characterization

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, 2007 - Continues

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, 2001 - 2007

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, 1998 - 2001

Professional Experience

Deputy Head of Department, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, 2003 - 2012

Advising Theses

AYDINOL M. K. , Development and characterization of new layered cathode materials for lithium ion batteries, Doctorate, B. PİŞKİN(Student), 2018

AYDINOL M. K. , Development and characterization of tin based anode materials for Li-ion batteries, Post Graduate,

E.YILMAZ(Student), 2018

AYDINOL M. K. , Investigation of structural and electrochemical properties of biomass based activated carbon materials for energy storage applications, Post Graduate, K.ÖZGÜN(Student), 2017

AYDINOL M. K. , Ultrasonic sound assisted processing and characterization of Li-(Ni-Co-Al) oxide as cathode active material for Li-ion batteries, Post Graduate, C.SAVAŞ(Student), 2017

PARLAK M., AYDINOL M. K. , Production and characterization of carbon-silicon nanocomposite anode materials for secondary lithium batteries, Doctorate, B.MİSER(Student), 2017

AYDINOL M. K. , Development and characterization of tungstates and molybdates for li-ion batteries, Post Graduate, B.KAYGUSUZ(Student), 2016

EVİS Z., AYDINOL M. K. , Development and characterization of high power density cathode materials for lithium-ion batteries, Doctorate, Ş.DOĞU(Student), 2015

AYDINOL M. K. , Hydrothermal synthesis and characterization of LIMNPO4 for secondary lithium batteries, Post Graduate, E.CAMCI(Student), 2014

AYDINOL M. K. , Morphological evolution of strained isotropic thin solid film on rigid substrate, Post Graduate, S.HADDADIAN(Student), 2014

AYDINOL M. K. , NALBANT ESENTÜRK E., Production and characterization of nano silver oxide for silver zinc batteries, Post Graduate, Ö.ÖYKÜM(Student), 2013

AYDINOL M. K. , Development and characterization of high energy cathode materials for lithium-ion batteries, Doctorate, A.BÜYÜKBURÇ(Student), 2013

AYDINOL M. K. , Production and characterization of CaNi compounds for metal hydride batteries, Post Graduate, B.ÖKSÜZ(Student), 2012

AYDINOL M. K. , ERKOÇ Ş., Investigation of the structural properties of silicene nanoribbons by molecular dynamics simulations, Post Graduate, A.İNCE(Student), 2012

AYDINOL M. K. , Ab initio development of Ca-Ni based alloys for metal hydride batteries, Post Graduate, O.MUĞAN(Student), 2012

AYDINOL M. K. , Investigation of electromigration and stress induced surface dynamics on the interconnect by computer simulation, Doctorate, A.ÇELİK(Student), 2011

AYDINOL M. K. , Development of lead alloys for valve-regulated lead-acid (VRLA) batteries, Post Graduate, Ş.HALICI(Student), 2010

AYDINOL M. K. , Computer simulation of grain boundary grooving by anisotropic surface drift diffusion due to capillary, electromigration and elastostatic forces, Doctorate, Ö.AKYILDIZ(Student), 2010

AYDINOL M. K. , An ab initio surface design of FeTi for hydrogen storage applications, Post Graduate, A.IZANLOU(Student), 2009

AYDINOL M. K. , Ab initio design of novel magnesium alloys for hydrogen storage, Post Graduate, D.KEÇİK(Student), 2008

AYDINOL M. K. , First principles investigation of hydrogen storage in intermetallic systems, Post Graduate, A.KINACI(Student), 2007

AYDINOL M. K. , Microstructural and electrochemical characterization of Ti-6Al-4V eli alloy, Post Graduate, M.TOPÇUOĞLU(Student), 2006

AYDINOL M. K. , Non-equilibrium molecular dynamics of electromigration in aluminum and its alloys, Post Graduate, F.GÜRÇAĞ(Student), 2006

AYDINOL M. K. , Determination of susceptibility to intergranular corrosion in AISI 304L and 316L type stainless steels by electrochemical reactivation method, Post Graduate, G.HAMİDE(Student), 2004

AKDENİZ M. V. , AYDINOL M. K. , Prediction of glass forming ability in Zr based binary alloys, Post Graduate, B.DİLSİZOĞLU(Student), 2001

AKDENİZ M. V. , AYDINOL M. K. , Prediction of glass forming ability in TM-based binary alloys, Post Graduate, H.BURCU(Student), 2001

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Experimental investigation on the electrocatalytic behavior of Ag-based oxides, Ag₂XO₄ (X= Cr, Mo, W), for the oxygen reduction reaction in alkaline media**
Hamat B. A. , AYDINOL M. K.
JOURNAL OF SOLID STATE CHEMISTRY, vol.290, 2020 (Journal Indexed in SCI)
- **Effects of surface pretreatments and coating period on hydroxyapatite coating of Ti6Al4V alloy**
HACIOĞLU T., EVİS Z., TEZCANER A., AYDINOL M. K.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.56, pp.545-557, 2020 (Journal Indexed in SCI)
- **Morphology effect on electrochemical properties of doped (W and Mo) 622NMC, 111NMC, and 226NMC cathode materials**
Pişkin B., Uygur C. S. , AYDINOL M. K.
International Journal of Hydrogen Energy, vol.45, pp.7874-7880, 2020 (Journal Indexed in SCI)
- **Comparison of the short and long-term degradation behaviors of as-cast pure Mg, AZ91 and WE43 alloys**
Ocal E. B. , ESEN Z., Aydinol K., DERİCİOĞLU A. F.
MATERIALS CHEMISTRY AND PHYSICS, vol.241, 2020 (Journal Indexed in SCI)
- **Synthesis of Li_x(Ni_{0.80}Co_{0.15}Al_{0.05})O₂ cathodes with deficient and excess lithium using an ultrasonic sound-assisted co-precipitation method for Li-ion batteries**
Uygur C. S. , Pişkin B., AYDINOL M. K.
Bulletin of Materials Science, vol.42, 2019 (Journal Indexed in SCI)
- **Activation of Manganese Ions in Lithium-ion Battery Anode Materials via Nickel and Cobalt Doping**
Kunduraci M., Uygur C. S. , AYDINOL M. K.
JOURNAL OF ELECTRONIC MATERIALS, vol.47, pp.6420-6427, 2018 (Journal Indexed in SCI)
- **Mo doping of layered Li(NixMnyCo1-x-y-zMz)O₂ cathode materials for lithium-ion batteries**
PİŞKİN B., Uygur C. S. , AYDINOL M. K.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.42, pp.3888-3898, 2018 (Journal Indexed in SCI)
- **Chemical and structural optimization of ZnCl₂ activated carbons via high temperature CO₂ treatment for EDLC applications**
KÖSE K. Ö. , Piskin B., AYDINOL M. K.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, pp.18607-18616, 2018 (Journal Indexed in SCI)
- **Preface to the special issue on "1st International Symposium on Materials for Energy Storage and Conversion ((ESC)-E-m-IS 2015)"**
ÖZTÜRK T., Eroglu I., AYDINOL M. K.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.41, pp.9719-9722, 2016 (Journal Indexed in SCI)
- **Development and characterization of layered Li(NixMnyCo1-x-y)O₂ cathode materials for lithium ion batteries**
Piskin B., AYDINOL M. K.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.41, pp.9852-9859, 2016 (Journal Indexed in SCI)
- **Effect of Cr and Mo doping on the electrochemical properties of freeze-dried LiCoO₂**
Buyukburc A., AYDINOL M. K.
INTERNATIONAL JOURNAL OF MATERIALS RESEARCH, vol.105, pp.983-991, 2014 (Journal Indexed in SCI)
- **Direct synthesis of Mg-Ni compounds from their oxides**
Tan S., Aydinol K., ÖZTÜRK T., KARAKAYA İ.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.504, pp.134-140, 2010 (Journal Indexed in SCI)
- **An ab initio study of dissociative adsorption of H₂ on FeTi surfaces**
Izanlou A., AYDINOL M. K.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.35, pp.1681-1692, 2010 (Journal Indexed in SCI)
- **Synthesis of FeTi from mixed oxide precursors**
Tan S., Oers T., AYDINOL M. K. , ÖZTÜRK T., KARAKAYA İ.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.475, pp.368-372, 2009 (Journal Indexed in SCI)
- **Density functional and dynamics study of the dissociative adsorption of hydrogen on Mg (0001) surface**

Kecik D., AYDINOL M. K.

SURFACE SCIENCE, vol.603, pp.304-310, 2009 (Journal Indexed in SCI)

● **Atomistic simulation of self-diffusion in Al and Al alloys under electromigration conditions**

Sen F. G., AYDINOL M. K.

● JOURNAL OF APPLIED PHYSICS, vol.104, 2008 (Journal Indexed in SCI)

● **A comparative ab initio study of the ferroelectric behaviour in KN03 and CaCO3**

AYDINOL M. K., Mantese J. V., Alpay S. P.

● JOURNAL OF PHYSICS-CONDENSED MATTER, vol.19, 2007 (Journal Indexed in SCI)

● **Ab initio investigation of FeTi-H system**

Kinaci A., Aydinol M. K.

● INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.32, pp.2466-2474, 2007 (Journal Indexed in SCI)

● **Determination of susceptibility to intergranular corrosion and electrochemical reactivation behaviour of AISI 316L type stainless steel**

Aydogdu G. H., Aydinol M. K.

● CORROSION SCIENCE, vol.48, pp.3565-3583, 2006 (Journal Indexed in SCI)

● **Phase separation tendencies of aluminum-doped transition-metal oxides (LiAl(1-x)M(x)O(2)) in the alpha-NaFeO(2) crystal structure**

Buta S., Morgan D., VanderVen A., AYDINOL M. K., Ceder G.

● JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.146, pp.4335-4338, 1999 (Journal Indexed in SCI)

● **Lithium-intercalation oxides for rechargeable batteries**

Ceder G., VanderVen A., AYDINOL M. K.

● JOM-JOURNAL OF THE MINERALS METALS & MATERIALS SOCIETY, vol.50, pp.35-40, 1998 (Journal Indexed in SCI)

● **First-principles investigation of phase stability in Li_xCoO₂**

VanderVen A., AYDINOL M. K., Ceder G., Kresse G., Hafner J.

● PHYSICAL REVIEW B, vol.58, pp.2975-2987, 1998 (Journal Indexed in SCI)

● **First-principles evidence for stage ordering in Li(x)CoO(2)**

VanderVen A., AYDINOL M. K., Ceder G.

● JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.145, pp.2149-2155, 1998 (Journal Indexed in SCI)

● **The electrochemical stability of lithium metal oxides against metalreduction**

Ceder G., AYDINOL M. K.

● Solid State Ionics, vol.109, pp.151-157, 1998 (Journal Indexed in SSCI)

● **Identification of cathode materials for lithium batteries guided by first-principles calculations**

Ceder G., Chiang Y., Sadoway D., AYDINOL M. K., Jang Y., Huang B.

● NATURE, vol.392, pp.694-696, 1998 (Journal Indexed in SCI)

● **Thermodynamics of oxides with substitutional disorder A microscopic model and evaluation of important energy contributions**

Ceder G., Kohan A., AYDINOL M. K., Tepeesch P., VanderVen A.

● Journal Of The American Ceramic Society, vol.81, pp.517-525, 1998 (Journal Indexed in SSCI)

● **First-principles prediction of insertion potentials in Li-Mn oxides for secondary Li batteries**

AYDINOL M. K., Ceder G.

● JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.144, pp.3832-3835, 1997 (Journal Indexed in SCI)

● **Ab initio calculation of the intercalation voltage of lithium transitionmetal oxide electrodes for rechargeable batteries**

AYDINOL M. K., Kohan A., Ceder G.

● Journal Of Power Sources, vol.68, pp.664-668, 1997 (Journal Indexed in SSCI)

● **Ab initio study of lithium intercalation in metal oxides and metal dichalcogenides**

AYDINOL M. K., Kohan A., Ceder G., Cho K., Joannopoulos J.

● PHYSICAL REVIEW B, vol.56, pp.1354-1365, 1997 (Journal Indexed in SCI)

● **Application of first principles calculations to the design of rechargeable Li batteries**

Ceder G., AYDINOL M. K., Kohan A.

● Computational Materials Science, vol.8, pp.161-169, 1997 (Journal Indexed in SSCI)

- **Coherency strain effects on TEM images of composite precipitates in Al-Li-Zr alloys**
Aydinol M., Bor A.
JOURNAL OF MATERIALS SCIENCE, vol.31, pp.4883-4889, 1996 (Journal Indexed in SCI)
- **TRANSMISSION ELECTRON-MICROSCOPY IMAGE-ANALYSIS OF COMPOSITE PRECIPITATES IN AL-LI-ZR ALLOYS**
AYDINOL M. K. , Bor Ş.
JOURNAL OF MATERIALS SCIENCE LETTERS, vol.14, pp.1147-1149, 1995 (Journal Indexed in SCI)
- **SIMULATION OF ELECTRON-DIFFRACTION PATTERNS OF ALLOYS WITH ORIENTED PRECIPITATES**
AKBAY T., AYDINOL K., BOR A.
JOURNAL OF APPLIED CRYSTALLOGRAPHY, vol.27, pp.379-384, 1994 (Journal Indexed in SCI)
- **COARSENING OF DELTA' (AL₃LI) AND COMPOSITE PRECIPITATES IN AN AL-2.5-PERCENT LI-0.15-PERCENT ZR ALLOY**
AYDINOL M., BOR A.
JOURNAL OF MATERIALS SCIENCE, vol.29, pp.15-25, 1994 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Design of a high temperature erosion apparatus for testing of boiler tubes**
Ergün H., Aydinol K., ÖZTÜRK T., Doruk M.
Turkish Journal of Engineering and Environmental Sciences, vol.37, pp.178-185, 2013 (Refereed Journals of Other Institutions)
- **Non-equilibrium molecular dynamics simulation of electromigration in aluminum-based metallic interconnects**
Şen F. G. , AYDINOL M. K.
Turkish Journal of Engineering and Environmental Sciences, vol.30, pp.387-394, 2006 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- **Morphology Effect on Electrochemical Properties of NMC-622, NMC-111 and NMC-226 Cathode Materials**
PİŞKİN B., SAVAS UYGUR C., AYDINOL M. K.
3rd International Symposium on Materials for Energy Storage and Conversion, 10 - 12 September 2018
- **The Improvement in Reversible Capacity by Calcium Doping in Li(Ni_{1/3}Mn_{1/3}Co_{1/3})O₂ Lithium Ion Battery Cathodes**
PİŞKİN B., SAVAS UYGUR C., AYDINOL M. K.
3rd International Symposium on Materials for Energy Storage and Conversion, 10 - 12 September 2018
- **Prospects of Large Scale Energy Storage in Turkey- Pumped Hydro and Electrochemical Energy Storage**
ÖZTÜRK T., AYDIN İ., AYDINOL M. K. , PATAT Ş.
14TH INTERNATIONAL CONFERENCE ON ENERGY STORAGE, 25 - 28 April 2018
- **Doping of layered Li(NixMnyCo_{1-x-y-z}Mz)O₂ (z=Ag,Cu) cathode materials for lithium ion batteries**
PİŞKİN B., SAVAS UYGUR C., AYDINOL M. K.
2017 MRS Fall Meeting Exhibit, 26 November - 01 December 2017
- **Carbon Encapsulation and Encapsulated Si Particles for Energy Storage**
Livan P., Miser B., Eyövge c., AYDINOL M. K. , ÖZTÜRK T.
2nd International Symposium on Materials for Energy Storage and Conversion, 26 - 28 September 2017
- **Effect of Different Binders on Cyclic Performance of Si/C Anodes for Secondary Lithium-Ion Batteries**

Miser B., Livan P., Altınok S., Eyövge c., ÖZTÜRK T., AYDINOL M. K.

2nd International Symposium on Materials for Energy Storage and Conversion, 26 - 28 September 2017

Optimization of Graphene Synthesis by Electrochemical Exfoliation of Graphite

Kurt V., AYDINOL M. K.

2nd International Symposium on Materials for Energy Storage and Conversion, 26 - 28 September 2017

Production and Characterization of Ag-based Oxide Catalysts for Zinc-Air Batteries

ARSLAN B., AYDINOL M. K.

2nd International Symposium on Materials for Energy Storage and Conversion, 26 - 28 September 2017

Effect of Physical Activation on the Capacitive Properties of Chemically Activated Carbons

KÖSE K. Ö. , AYDINOL M. K.

2nd International Symposium on Materials for Energy Storage and Conversion, 26 - 28 September 2017

Electrochemical Properties of Surface Processed Silicon Micro Particles for Secondary Lithium-Ion Battery Anodes

Miser B., AYDINOL M. K.

2nd International Symposium on Materials for Energy Storage and Conversion, 26 - 28 September 2017

Development and Characterization of Tungstates and Molybdates for Li-ion Batteries

Kaygusuz B., AYDINOL M. K.

2nd International Symposium on Materials for Energy Storage and Conversion, 26 - 28 September 2017

Ab initio Electronic Structure Calculations of LaBO₃ (B= Cr, Mn and Fe) Perovskites

AFAL GENİŞ A., AYDINOL M. K.

2nd International Symposium on Materials for Energy Storage and Conversion, 26 - 28 September 2017

The effect of lithium amount on electrochemical and structural characteristics of Li_x(Ni_{0.80}Co_{0.15}Al_{0.05})O₂ cathode active materials for lithium-ion batteries

SAVAS UYGUR C., PİŞKİN B., AYDINOL M. K.

2nd International Symposium on Materials for Energy Storage and Conversion, 26 - 28 September 2017

Doping of layered Li(Ni_xMn_yCo_{1-x-y-z}M_z)O₂ (z=W,Mo) cathode materials for lithium ion batteries

PİŞKİN B., SAVAS UYGUR C., AYDINOL M. K.

2nd International Symposium on Materials for Energy Storage and Conversion, 26 - 28 September 2017

Carbon Encapsulated Silicon Nanoparticles as Anodes for Lithium Ion Batteries

Livan P., Miser B., Altınok S., Eyövge C., AYDINOL M. K. , ÖZTÜRK T.

Symposium on Plasma Nano Science and Technology held during the 231st Meeting of the Electrochemical-Society (ECS), Louisiana, United States Of America, 28 May - 01 June 2017, vol.77, pp.373-382

Development and Characterization of Catalyst Materials of Zinc Air Batteries

ARSLAN B., AYDINOL M. K.

Materials Research Society Fall Meeting, Boston, MA, United States Of America, 27 November - 02 December 2016

Productions and Characterization of Layered Cathode Materials for Lithium ion Batteries

PİŞKİN B., AFAL GENİŞ A., AYDINOL M. K.

Materials Research Society Spring Meeting, Phoenix, AZ, United States Of America, 28 March - 01 April 2016

Ab initio Molecular Dynamics Characterization of La based Perovskite Type Oxides for Metal Air Cell Cathodes

AFAL GENİŞ A., AYDINOL M. K.

Materials Research Society Spring Meeting, Phoenix, AZ, United States Of America, 28 March - 01 April 2016

The electrochemical properties of doped LiM_nxM_{1-x}PO₄ synthesized by spray pyrolysis

Akça E., AYDINOL M. K.

International Symposium on Materials for Energy Storage and Conversion, 7 - 09 September 2015

Production and characterization of silicon particles with nanowired surfaces for secondary Li ion battery anode

Kayıplar B., AYDINOL M. K.

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LiFePO₄ C nano plates synthesis via ultrasound assisted precursor precipitation

AYDINOL M. K. , Doğu Ş.

- International Symposium on Materials for energy Storage and Conversion, 7 - 09 September 2015
Development and characterization of new layered cathode materials for Li ion batteries
PİŞKİN B., AYDINOL M. K.
- International Symposium on Energy Storage and Conversion, 7 - 09 September 2015
W doped LiCoO₂ Effect of different starting chemicals doping contents and additional doping elements
Büyükburç A., AYDINOL M. K.
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Ab initio alloying of Mg for hydrogen storage
Kecik D., AYDINOL M. K.
- 2008 MRS Spring Meeting, San Francisco, CA, United States Of America, 24 - 28 March 2008, vol.1098, pp.48-53
EFFECT OF ALLOYING ELEMENTS ON THE FORMATION OF FeTiH₄: AN AB INITIO STUDY
Sen F. G. , Kinaci A., AYDINOL M. K.
- ARW on Using Carbon Nanomaterials in Clean-Energy Hydrogen Systems, Crimea, Ukraine, 22 - 28 September 2007, pp.573-578
Application of ab initio methods to secondary lithium batteries
Aydinol M. K. , van der Ven A., Ceder G.
- Proceedings of the 1998 MRS Fall Symposium, Boston, MA, USA, 1 - 05 December 1997, vol.496, pp.65-75
Ab initio calculation of the Li_xCoO₂ phase diagram
Van Der Ven A., Aydinol M. K. , Ceder G.
- Proceedings of the 1998 MRS Fall Symposium, Boston, MA, USA, 1 - 05 December 1997, vol.496, pp.121-126
Effect of chemistry and structure on voltage of Li intercalation oxides
Aydinol M. K. , Ceder G., Kohan A.
- Proceedings of the 1996 MRS Fall Symposium, Boston, MA, USA, 2 - 05 December 1996, vol.453, pp.233-238
TEM survey on an Al-2.5% Li-0.15% Zr alloy
AYDINOL M. K. , Bor A.
- Proceedings of the Institute of Physics Electron Microscopy and Analysis Group Conference, Bristol, United Kingdom, 10 - 13 September 1991, vol.119, pp.253-256
A TEM SURVEY ON AN AL-2.5-PERCENT LI-0.15-PERCENT ZR ALLOY
AYDINOL M., BOR A.
- 1991 CONF OF THE ELECTRON MICROSCOPY AND ANALYSIS GROUP OF THE INST OF PHYSICS (EMAG 91), Bristol, United Kingdom, 10 - 13 September 1991, vol.119, pp.253-256

Supported Projects

- AYDINOL M. K. , CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Enerji Depolama Malzemeleri ve Cihazları Araştırma Merkezi, 2016 - Continues
- AYDINOL M. K. , YILMAZ E., Project Supported by Higher Education Institutions, Lityum iyon bataryalar için kalay esas anot malzemesi geliştirilmesi ve üretilmesi, 2015 - 2018
- AYDINOL M. K. , Project Supported by Higher Education Institutions, ÇİNKO HAVA BATARYALARININ KATALİZÖR MALZEMELERİNİN GELİŞTİRİLMESİ VE KARAKTERİZASYONU, 2017 - 2017
- AYDINOL M. K. , Project Supported by Higher Education Institutions, GRAFİTİN ELEKTROKİMYASAL EKSFOLİYASYONU İLE GRAFEN ÜRETİMİNİN OPTİMİZASYONU, 2017 - 2017
- AYDINOL M. K. , Project Supported by Higher Education Institutions, TEMEL PRENSİPLER YÖNTEMİYLE KOMPLEKS OKSİT KATALİSTLERDEKİ OKSİJEN İNDİRGE ME REAKSİYONLARININ KARAKTERİZASYONU, 2017 - 2017
- AYDINOL M. K. , Project Supported by Higher Education Institutions, ENERJİ DEPOLAMA UYGULAMALARI İÇİN BİYOKÜTLE ESASLI AKTİF KARBON MALZEMELERİNİN YAPISAL VE ELEKTROKİMYASAL ÖZELLİKLERİNİN İNCELENMESİ, 2017 - 2017
- AYDINOL M. K. , Project Supported by Higher Education Institutions, LİTYUM İYON BATARYALARINDA Lİ(Nİ-CO-AL) OKSİTLERİNİN KATOT MALZEMESİ OLARAK ULTRASONİK SES DALGASI YÖNTEMİYLE ÜRETİLMESİ VE

KARAKTERİZASYONU, 2017 - 2017

AYDINOL M. K. , Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016

AYDINOL M. K. , Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016

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AYDINOL M. K. , Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

AYDINOL M. K. , Project Supported by Higher Education Institutions, Lityum İyon Piller İçin Yüksek Kapasiteli Ve Enerjili Katot Malzemelerinin Geliştirilmesi Üretimi Ve Karakterizasyonu., 2010 - 2011

Patent

AYDINOL M. K. , Yeniden doldurulabilir Lityum iyon bataryalar için W ve M ile alaşımli LiCoO₂ ve bunun üretim metodu, Patent, CHAPTER C Chemistry; Metallurgy, Initial Registration, 2016

Citations

Total Citations (WOS):2671

h-index (WOS):15