

Prof. MUSTAFA ANIK

Personal Information

Email: manik@ogu.edu.tr

Web: <https://avesis.ogu.edu.tr/manik>

International Researcher IDs

ORCID: 0000-0003-0166-7862

Yoksis Researcher ID: 2824

Education Information

Doctorate, The Pennsylvania State University, Materials Science And Engineering, United States Of America 1997 - 2000

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Graduate School Of Natural And Applied Sciences, Turkey 1992 - 1995

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Metallurgical And Materials Engineering, Turkey 1987 - 1992

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Electrochemical Aspects of the Chemical Mechanical Planarization of Tungsten, The Pennsylvania State University, Materials Science And Engineering, 2000

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, METALURJİ VE MALZEME MÜHENDİSLİĞİ BÖLÜMÜ, 2010 - Continues

Associate Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, METALURJİ VE MALZEME MÜHENDİSLİĞİ BÖLÜMÜ, 2005 - 2010

Assistant Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, METALURJİ VE MALZEME MÜHENDİSLİĞİ BÖLÜMÜ, 2001 - 2005

Academic and Administrative Experience

Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Metalurji Ve Malzeme Mühendisliği Bölümü,

2013 - Continues

Head of Department, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, METALURJİ VE MALZEME MÜHENDİSLİĞİ BÖLÜMÜ, 2012 - Continues

Head of Department, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Nanobilim ve Nanoteknoloji, 2011 - Continues

Director of The Institution, Eskisehir Osmangazi University, Metalurji Enstitüsü, 2015 - 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigating the Structural and Lithium Storage Properties of High-Entropy Oxides in the Mg-Co-Ni-Cu-Zn-O System**
LÖKÇÜ E., ANIK M.
Scripta Materialia, vol.240, 2024 (SCI-Expanded)
- II. **Synthesis of N-Doped Graphene Photo-Catalyst for Photo-Assisted Charging of Li-Ion Oxygen Battery**
Kaçar N., LÖKÇÜ E., ÇAYIRLI M., ÖZDEN R. C., COŞKUN Ş., TOPARLI Ç., ÇELİKYÜREK İ., ANIK M.
Global Challenges, vol.8, no.1, 2024 (SCI-Expanded)
- III. **Photocatalytic Efficiency of g-C₃N₄/Graphene Nanocomposites in the Photo-Assisted Charging of the Li-Ion Oxygen Battery**
Kaçar N., Çayirli M., Özden R. C., Lökçü E., Anik M.
ACS OMEGA, vol.8, no.48, pp.46227-46235, 2023 (SCI-Expanded)
- IV. **Ultrasound-assisted synthesis of rGO/SiO₂-based nanosheets and their electrochemical performances in Li-ion batteries**
Lökçü E., CAN S., Anik M.
Turkish Journal of Chemistry, vol.47, no.2, pp.495-503, 2023 (SCI-Expanded)
- V. **Photoassisted Charging of Li-Ion Oxygen Batteries Using g-C₃N₄/rGO Nanocomposite Photocatalysts**
LÖKÇÜ E., Kaçar N., ÇAYIRLI M., ÖZDEN R. C., ANIK M.
ACS APPLIED MATERIALS & INTERFACES, vol.14, no.30, pp.34583-34592, 2022 (SCI-Expanded)
- VI. **Effect of rGO loading on the electrochemical performance of Li₂Si₅/rGO composite anodes for lithium-ion batteries**
Çelikbilek Z., CAN S., LÖKÇÜ E., ANIK M.
International Journal of Energy Research, vol.46, no.2, pp.1137-1145, 2022 (SCI-Expanded)
- VII. **Electrochemical hydrogen storage properties of mechanically alloyed Mg_{0.8}Ti_{0.2-x}Mn_xNi (x = 1/4, 0, 0.025, 0.05, 0.1) type alloys**
Küçükdeveci N., AKAY ERDOĞAN I., BİNAL AYBAR A., ANIK M.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.47, no.4, pp.2511-2519, 2022 (SCI-Expanded)
- VIII. **Synthesis and electrochemical performance of lithium silicide based alloy anodes for Li-ion oxygen batteries**
LÖKÇÜ E., ANIK M.
International Journal of Hydrogen Energy, vol.46, pp.10624-10631, 2021 (SCI-Expanded)
- IX. **Electrochemical Performance of (MgCoNiZn)_(1-x)Li_xO High-Entropy Oxides in Lithium-Ion Batteries**
LÖKÇÜ E., Toparli C., ANIK M.
ACS APPLIED MATERIALS & INTERFACES, vol.12, no.21, pp.23860-23866, 2020 (SCI-Expanded)
- X. **Enhancement of the mechanical properties of EN52CrMoV4 spring steel by deep cryogenic treatment**
Verbesserung der mechanischen Eigenschaften von EN52CrMoV4 Federstahl durch Tieftemperaturbehandlung
ÖZDEN R. C., Anik M.
MATERIALWISSENSCHAFT UND WERKSTOFFTECHNIK, vol.51, no.4, pp.422-431, 2020 (SCI-Expanded)
- XI. **Synthesis of La₂MgNi₉ hydrogen storage alloy in molten salt**
Durger N. B., ANIK M.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.45, no.15, pp.8750-8756, 2020 (SCI-Expanded)

- XII. **Corrosion and Wear Characteristics of Electroless Ni-P, Ni-P-W and Composite Ni-P-W/Al₂O₃ Coatings on AZ91 Sheet**
Tasci S., ÖZDEN R. C., ANIK M.
METALS AND MATERIALS INTERNATIONAL, vol.25, no.2, pp.313-323, 2019 (SCI-Expanded)
- XIII. **Dissolution Behavior of Electrodeposited Ni-W Alloys**
Adiguzel Z., ANIK M.
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.54, no.2, pp.316-324, 2018 (SCI-Expanded)
- XIV. **Direct synthesis of La-Mg-Ni-Co type hydrogen storage alloys from oxide mixtures**
BİNAL AYBAR A., ANIK M.
JOURNAL OF ENERGY CHEMISTRY, vol.26, no.4, pp.719-723, 2017 (SCI-Expanded)
- XV. **Molten salt synthesis of La(Ni_{1-x}Co_x)(5) (x=0, 0.1, 0.2, 0.3) type hydrogen storage alloys**
ANIK M., Hatirnaz N. B., BİNAL AYBAR A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.41, no.1, pp.361-368, 2016 (SCI-Expanded)
- XVI. **Synthesis of La₂Ni₇ hydrogen storage alloy by the electro-deoxidation technique**
ANIK M., BİNAL AYBAR A., Kucukdeveci N., Erken H., BAKSAN B., GAŞAN H., Hatirnaz N. B., LÖKÇÜ E.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.40, no.5, pp.2248-2254, 2015 (SCI-Expanded)
- XVII. **Synthesis of La-2(Ni_{1-x}Co_x)(7) (x=0.05, 0.1, 0.2) Hydrogen Storage Alloys by the Electro-Deoxidation Technique**
ANIK M., BİNAL AYBAR A., Hatirnaz N. B., Ozdemir D.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.162, no.6, 2015 (SCI-Expanded)
- XVIII. **Hydrogen storage characteristics of Ti₂Ni alloy synthesized by the electro-deoxidation technique**
ANIK M., BAKSAN B., Orbay T. O., Kucukdeveci N., BİNAL AYBAR A., ÖZDEN R. C., GAŞAN H., KOÇ N.
INTERMETALLICS, vol.46, pp.51-55, 2014 (SCI-Expanded)
- XIX. **Discharging characteristics of CoB nano powders**
ANIK M., Kucukdeveci N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.38, no.3, pp.1501-1509, 2013 (SCI-Expanded)
- XX. **Charge/discharge characteristics of electroless CoB films**
ANIK M., Kucukdeveci N., Yilmaz A.
THIN SOLID FILMS, vol.527, pp.69-75, 2013 (SCI-Expanded)
- XXI. **Improvement of the electrochemical hydrogen storage performance of magnesium based alloys by various additive elements**
Anik M.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.37, no.2, pp.1905-1911, 2012 (SCI-Expanded)
- XXII. **Development of the high performance magnesium based hydrogen storage alloy**
ANIK M., Karanfil F., Kucukdeveci N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.37, no.1, pp.299-308, 2012 (SCI-Expanded)
- XXIII. **Effect of Titanium additive element on the discharging behavior of MgNi Alloy electrode**
Anik M.
International Journal of Hydrogen Energy, vol.36, no.23, pp.15075-15080, 2011 (SCI-Expanded)
- XXIV. **Electrochemical hydrogen storage characteristics of Mg-Pd-Ni ternary alloys**
ANIK M., Ozdemir G., Kucukdeveci N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.36, no.11, pp.6744-6750, 2011 (SCI-Expanded)
- XXV. **Effect of Al, B, Ti and Zr additive elements on the electrochemical hydrogen storage performance of MgNi alloy**
ANIK M., Ozdemir G., Kucukdeveci N., BAKSAN B.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.36, no.2, pp.1568-1577, 2011 (SCI-Expanded)
- XXVI. **Anodic reaction characteristics of tungsten in basic phosphate solutions**
Anik M.
Corrosion Science, vol.52, no.9, pp.3109-3117, 2010 (SCI-Expanded)
- XXVII. **Corrosion characteristics of Alloy AZ63 in buffered neutral solutions**

- ANIK M., Gunesdogdu I. M.
MATERIALS & DESIGN, vol.31, no.6, pp.3100-3105, 2010 (SCI-Expanded)
- XXVIII. **Electrochemical hydrogen storage capacities of Mg₂Ni and MgNi alloys synthesized by mechanical alloying**
Anik M.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.491, pp.565-570, 2010 (SCI-Expanded)
- XXIX. **Electrochemical hydrogen storage performance of Mg-Ti-Zr-Ni alloys**
ANIK M., AKAY ERDOĞAN I., Oezdemir G., BAKSAN B.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.34, no.24, pp.9765-9772, 2009 (SCI-Expanded)
- XXX. **Improvement of the electrochemical hydrogen storage performance of Mg₂Ni by the partial replacements of Mg by Al, Ti and Zr**
Anik M.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.486, pp.109-114, 2009 (SCI-Expanded)
- XXXI. **Effect of electroless nickel coating on the electrochemical hydrogen storage characteristics of Al and Zr including Mg-based alloys**
ANIK M., AKAY ERDOĞAN I., Topcu S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.34, no.13, pp.5449-5457, 2009 (SCI-Expanded)
- XXXII. **pH-dependent anodic reaction behavior of tungsten in acidic phosphate solutions**
Anik M.
ELECTROCHIMICA ACTA, vol.54, no.15, pp.3943-3951, 2009 (SCI-Expanded)
- XXXIII. **Electrochemical hydrogen storage characteristics of Mg_{1.5}Al_{0.5-x}Zr_xNi (x=0, 0.1, 0.2, 0.3, 0.4, 0.5) alloys synthesized by mechanical alloying**
ANIK M., GAŞAN H., Topcu S., AKAY ERDOĞAN I., Aydinbeyli N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.34, no.6, pp.2692-2700, 2009 (SCI-Expanded)
- XXXIV. **Effect of coating bath composition on the properties of electroless nickel-boron films**
ANIK M., Korpe E., Sen E.
SURFACE & COATINGS TECHNOLOGY, vol.202, no.9, pp.1718-1727, 2008 (SCI-Expanded)
- XXXV. **Analysis of the electrochemical reaction behavior of alloy AZ91 by EIS technique in H₃PO₄/KOH buffered K₂SO₄ solutions**
Anik M., Celikten G.
CORROSION SCIENCE, vol.49, no.4, pp.1878-1894, 2007 (SCI-Expanded)
- XXXVI. **Effect of alloy microstructure on electroless NiP deposition behavior on Alloy AZ91**
Anik M., Korpe E.
SURFACE & COATINGS TECHNOLOGY, vol.201, no.8, pp.4702-4710, 2007 (SCI-Expanded)
- XXXVII. **Effect of concentration gradient on the anodic behavior of tungsten**
Anik M.
CORROSION SCIENCE, vol.48, no.12, pp.4158-4173, 2006 (SCI-Expanded)
- XXXVIII. **Dissolution kinetics of WO₃ in acidic solutions**
Anik M., Cansizoglu T.
JOURNAL OF APPLIED ELECTROCHEMISTRY, vol.36, no.5, pp.603-608, 2006 (SCI-Expanded)
- XXXIX. **Effect of the eutectic phase mixture on the anodic behavior of alloy AZ91**
Anik M., Avci P., Tanverdi A., Celikyurek İ., BAKSAN B., Gurler R.
MATERIALS & DESIGN, vol.27, no.5, pp.347-355, 2006 (SCI-Expanded)
- XL. **Selection of an oxidant for copper chemical mechanical polishing: Copper-iodate system**
Anik M.
JOURNAL OF APPLIED ELECTROCHEMISTRY, vol.35, no.1, pp.1-7, 2005 (SCI-Expanded)
- XLI. **Reduction characteristics of iodate ion on copper: Application to copper chemical mechanical polishing**
Anik M.
Journal of Applied Electrochemistry, vol.34, no.9, pp.963-969, 2004 (SCI-Expanded)
- XLII. **Diffusion effect on the anodic reactions of tungsten**

Anik M., Cansizglu T., Cevik S.

TURKISH JOURNAL OF CHEMISTRY, vol.28, no.4, pp.425-439, 2004 (SCI-Expanded)

XLIII. Effect of pH on the anodic Behavior of tungsten

Anik M., Osseo-Asare K.

JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.149, no.6, 2002 (SCI-Expanded)

XLIV. Anodic Behavior of tungsten in H₃PO₄-K₂SO₄-H₂SO₄/KOH solutions

Anik M.

TURKISH JOURNAL OF CHEMISTRY, vol.26, no.6, pp.915-924, 2002 (SCI-Expanded)

XLV. Chemical Mechanical Polishing of Tungsten: Effect of Tungstate Ion on the Electrochemical Behavior of Tungsten

Osseo-Asare K., Anik M., DeSimone J.

Electrochemical and Solid-State Letters, vol.2, no.3, pp.143-144, 1999 (SCI-Expanded)

Articles Published in Other Journals

I. Effect of H₂/Ar Ratio on the Photoanodic Currents of Graphene/MoS₂ Films

ÖZDEN R. C., ANIK M.

The Eurasia Proceedings of Science, Technology, Engineering & Mathematics (EPSTEM), vol.26, pp.718-722, 2023 (Scopus)

II. Glycine-Assisted Synthesis of High Surface Area (FeMnCrCoZn)₃O₄ Microsheets

ÖZDEN R. C., ANIK M.

The Eurasia Proceedings of Science, Technology, Engineering & Mathematics (EPSTEM), vol.26, pp.416-419, 2023 (Scopus)

III. Improved Energy Efficiency of Lithium-Air Batteries by using Alloy Based Anode and Photocatalyst Loading Cathode

LÖKÇÜ E., ANIK M., ÖZDEN R. C.

The Eurasia Proceedings of Science Technology Engineering and Mathematics, vol.21, no.1, pp.237-240, 2022 (Scopus)

IV. Electrochemical Performance of Tin-Based Solder Alloys for Secondary Lithium Batteries

LÖKÇÜ E., ÖZDEN R. C., ANIK M.

The Eurasia Proceedings of Science Technology Engineering and Mathematics, vol.21, no.1, pp.214-217, 2022 (Scopus)

V. Improvement of Photo-Catalytic Properties of Graphene by N-Doping

ÖZDEN R. C., LÖKÇÜ E., ANIK M.

The Eurasia Proceedings of Science Technology Engineering and Mathematics, vol.21, no.1, pp.283-287, 2022 (Scopus)

VI. Synthesis of Nanocomposite Photo-Catalysts for Photo-Assisted Charging of Li-Ion Oxygen Batteries

Lökçü E., Özden R. C., Anik M.

The Eurasia Proceedings of Science Technology Engineering and Mathematics, vol.21, no.1, pp.316-320, 2022 (Scopus)

VII. Synthesis of rGO/g-C₃N₄ Composite Cathodes for Li – Ion – Oxygen Battery

LÖKÇÜ E., KAÇAR N., ÖZDEN R. C., ANIK M.

The Eurasia Proceedings of Science, Technology, Engineering & Mathematics (EPSTEM), vol.16, pp.47-51, 2021 (Peer-Reviewed Journal)

VIII. Synthesis and Electrochemical Performance of Spinel Crystal Structured ((FeNiCrMn)_{1-x}Cox)₃O₄ (x=0.1, 0.2, 0.3) High Entropy Oxides

ÇAYIRLI M., ERDOĞAN ESEN E., LÖKÇÜ E., ANIK M.

The Eurasia Proceedings of Science, Technology, Engineering & Mathematics (EPSTEM), vol.16, pp.140-144, 2021 (Peer-Reviewed Journal)

IX. Synthesis of Graphene/g-C₃N₄ Composite Photo-Electrodes for Li – Ion – Oxygen Battery

KAÇAR N., LÖKÇÜ E., ÖZDEN R. C., ANIK M.

The Eurasia Proceedings of Science, Technology, Engineering & Mathematics (EPSTEM), vol.16, pp.162-166, 2021 (Peer-Reviewed Journal)

- X. **Study of the Lithium Diffusion Properties of (MgCoNiLiZn)O High Entropy Oxide as an Anode in Lithium-Ion Battery**
LÖKÇÜ E., ANIK M., ÖZDEN R. C.
The Eurasia Proceedings of Science, Technology, Engineering & Mathematics (EPSTEM), vol.16, pp.77-81, 2021 (Peer-Reviewed Journal)
- XI. **Cryogenic Process Optimization for Medium Carbon Spring Steels**
ÖZDEN R. C., LÖKÇÜ E., ANIK M.
The Eurasia Proceedings of Science, Technology, Engineering & Mathematics (EPSTEM), vol.16, pp.14-19, 2021 (Peer-Reviewed Journal)
- XII. **Effects of Deep Cryogenic Treatment on the Mechanical Properties of Medium Carbon Spring Steels**
ÖZDEN R. C., LÖKÇÜ E., ANIK M.
The Eurasia Proceedings of Science, Technology, Engineering and Mathematics, vol.11, pp.48-52, 2020 (Peer-Reviewed Journal)
- XIII. **Effect of Co Content on the Electrochemical Properties of (MgCoNiZnLi)O Based High Entropy Oxides for Li-Ion Batteries**
LÖKÇÜ E., ÖZDEN R. C., ANIK M.
The Eurasia Proceedings of Science, Technology, Engineering Mathematics (EPSTEM), vol.11, pp.29-32, 2020 (Peer-Reviewed Journal)
- XIV. **Effect of Mg Content on the Electrochemical Properties of (MgCoNiZnLi)O Based High Entropy Oxides for Li-Ion Batteries**
LÖKÇÜ E., ÖZDEN R. C., ANIK M.
The Eurasia Proceedings of Science, Technology, Engineering Mathematics (EPSTEM), vol.11, pp.53-56, 2020 (Peer-Reviewed Journal)
- XV. **Effects of Deep Cryogenic Treatment on the Microstructural Properties of Medium Carbon Spring Steels**
ÖZDEN R. C., LÖKÇÜ E., ANIK M.
The Eurasia Proceedings of Science, Technology, Engineering and Mathematics, vol.11, pp.5-8, 2020 (Peer-Reviewed Journal)
- XVI. **The Anode Performance of the Mg_{0.2}Co_{0.2}Ni_{0.2}Zn_{0.2}Li_{0.1}Cu_{0.1}O High Entropy Oxide for Li-Ion Batteries**
LÖKÇÜ E., ÖZDEN R. C., ANIK M.
The Eurasia Proceedings of Science, Technology, Engineering Mathematics (EPSTEM), vol.11, pp.136-140, 2020 (Peer-Reviewed Journal)
- XVII. **SYNTHESIS AND ELECTROCHEMICAL PERFORMANCE OF THE (Mg_{0.2}Co_{0.2}Ni_{0.2}Zn_{0.2}Li_{0.2})O HIGH ENTROPY OXIDE AS ANODE MATERIAL FOR Li-ION BATTERIES**
ANIK M., LÖKÇÜ E.
The Eurasia Proceedings of Science, Technology, Engineering Mathematics (EPSTEM), vol.7, pp.329-332, 2019 (Peer-Reviewed Journal)
- XVIII. **Use of molten salt method in the synthesis of metal hydride electrode materials**
ANIK M.
The online journal of science and technology, vol.7, no.3, pp.164-168, 2017 (Peer-Reviewed Journal)
- XIX. **Isıl İşlemin Akımsız Ni-B Kaplamanın Mikro-Yapısına, Korozyon Direncine Ve Sertliğine Etkisi**
ANIK M., BAKSAN B., KÖRPE E.
Eskişehir Osmangazi Üniversitesi mühendislik ve mimarlık fakültesi dergisi (online), vol.22, no.2, pp.111-124, 2009 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **MgTiMnZrNi Alařımlarının Elektrokimyasal Hidrojen Depolama Performansları(Electrochemical Hydrogen Storage Performances of MgTiMnZrNi quaniry Alloys)**
KÜÇÜKDEVECİ N., AKAY ERDOĞAN I., BİNAL AYBAR A., BAYER ÖZTÜRK Z., ANIK M.
4. Internatinonal Conference on Materials Science, Mechanical and Automotive Engineerings and Technology (IMSMATEC'21), Nevşehir, Turkey, 28 May 2021
- II. **Microstructural and Electrochemical Properties of (Mg_{0.2}Co_{0.2}Ni_{0.2}Zn_{0.2}Li_{0.1}Al_{0.1})O High Entropy Oxide Anode**
ÇAYIRLI M., CAN S., LÖKÇÜ E., ANIK M.
International Congress of Engineering and Natural Sciences Studies, Ankara, Turkey, 7 - 09 May 2021
- III. **Synthesis and Characterization of rGO@SiO₂ Nanostructures for Li-Ion Batteries**
CAN S., ÇAYIRLI M., LÖKÇÜ E., ANIK M.
International Congress of Engineering and Natural Sciences Studies, Ankara, Turkey, 7 - 09 May 2021
- IV. **Effect of deep cryogenic treatment on the microstructural properties of medium carbon spring steels**
ÖZDEN R. C., LÖKÇÜ E., ANIK M.
International conference on technology, engineering and science, Turkey, 29 October - 01 November 2020, vol.11, pp.5-8
- V. **The anode performance of the Mg_{0.2}Co_{0.2}Ni_{0.2}Zn_{0.2}Li_{0.1}Cu_{0.1} high entropy oxide for Li-ion batteries**
LÖKÇÜ E., ÖZDEN R. C., ANIK M.
International conference on technology, engineering and science, Antalya, Turkey, 29 October - 01 November 2020, vol.11, pp.136-140
- VI. **Effect of deep cryojenik treatment on the mechanical properties of medium carbon spring steels**
ÖZDEN R. C., LÖKÇÜ E., ANIK M.
International conference on technology engineering and science, Antalya, Turkey, 29 October - 01 November 2020, vol.11, pp.48-52
- VII. **Effect of Mg content on the electrochemical properties of (MgCoNiZnLi)O based high entropy oxides for Li-ion batteries**
LÖKÇÜ E., ÖZDEN R. C., ANIK M.
International conference on technology, engineering and science, Antalya, Turkey, 29 October - 01 November 2020, vol.11, pp.53-56
- VIII. **The effect of Co content on the electrochemical properties of CoMgNiZnLiO based high entropy oxides for Li ion batteries**
LÖKÇÜ E., ÖZDEN R. C., ANIK M.
International conference on technology engineering ans science, Turkey, 29 October - 01 November 2020, vol.11, pp.29-32
- IX. **Synthesis of Li₂Si₅/reduced graphene oxide nanocomposite as anode material for Li-ion batteries**
CAN S., LÖKÇÜ E., ANIK M.
2nd international conference on natural and applied science and engineering, Turkey, 21 - 25 October 2020, pp.1-4
- X. **Synthesis and lithium storage properties of non-equatomic MgNiCuZnCo high-entropy oxides**
ÇAYIRLI M., LÖKÇÜ E., ANIK M.
2nd international conference on natural and applied science and engineering, Turkey, 21 - 25 October 2020, pp.9-12
- XI. **Synthesis and lithium storage properties of non-equatomic MgNiCuZnCo high-entropy oxides**
ÇAYIRLI M., LÖKÇÜ E., ANIK M.
ICNASEN-2020, Antalya, Turkey, 21 - 25 October 2020
- XII. **Effect of Manganese Additive Element on Mg_{0.8}Ti_{0.2}Ni Ternary Hydrogen Storage Alloys**
KÜÇÜKDEVECİ N., BİNAL AYBAR A., AKAY ERDOĞAN I., ANIK M.
4. The International Conference on Material Science and Technology in Kızılcahamam/Ankara, 18 - 20 October

2019

- XIII. **Effects of Deep Cryogenic Treatment on The Mechanical Properties of 52CrMoV4 Steel**
ÖZDEN R. C., ANIK M.
UDCS'19 Fourth International Iron and Steel Symposium, 4 - 06 April 2019
- XIV. **Effect Of Alloying Elements On The Wear Properties Of Cryogenically Treated Medium Carbon Spring Steels**
ÖZDEN R. C., ANIK M.
UDCS'19 Fourth International Iron and Steel Symposium, 4 - 06 April 2019
- XV. **Effects of Deep Cryogenic Treatment on the Wear Properties of 52 CrMoV4 Steel**
ÖZDEN R. C., ANIK M., GAŞAN H.
3rd INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL APPLIED SCIENCE ENGINEERING, 9 - 12 May 2018
- XVI. **Electrochemical Hydrogen Storage: Alloy Synthesis and Characterization**
ANIK M.
3rd international conference on material science and technology in cappadocia (IMSTEC 18), 17 - 19 September 2018
- XVII. **Direct Synthesis of La-Ni Based Hydrogen Storage Alloys from the Oxide Form**
BİNAL AYBAR A., ANIK M.
19. Uluslararası Metalurji ve Malzeme Kongresi, 25 - 27 October 2018
- XVIII. **Synthesis of La-Ni based hydrogen storage alloys by electro-deoxidation**
ANIK M.
2nd international conference on innovations in natural science and engineering, 7 - 10 September 2018
- XIX. **Characteristics of electroless NiPW coatings on AZ91 sheet**
ÖZDEN R. C., ANIK M.
2nd international conference on innovations in natural science and engineering, 7 - 10 September 2018
- XX. **Electrode Performans of CoB Films as Anode Materials For Lithium Ion Batteries**
KÜÇÜKDEVECİ N., ANIK M.
2nd International Conference of Materials Science and Technology in Cappadocia, 11 - 13 October 2017
- XXI. **Development of porous graphene based cathodes for Li-air batteries**
LÖKÇÜ E., ANIK M.
ICONTEs 2017, 26 - 29 October 2017
- XXII. **Electrochemical hydrogen storage in nanostructures**
LÖKÇÜ E., ANIK M.
ICONTEs 2017, 26 - 29 October 2017
- XXIII. **Characterization of electrochemically synthesized carbon nanotubes as cathode for metal air batteries**
ANIK M., LÖKÇÜ E.
ICONTEs 2017, 26 - 29 October 2017
- XXIV. **Synthesis of anode and cathode electrodes for Li-air batteries**
ANIK M., LÖKÇÜ E.
METAL 2017, 24 - 26 May 2017
- XXV. **Synthesis of La-Mg-Ni-Co/Carbon nanotube composite hydrogen storage electrodes**
LÖKÇÜ E., ANIK M.
METAL 2017, 24 - 26 May 2017
- XXVI. **Effect of Magnesium Additive Element on the Hydrogen Storage Characteristics of La-Ni Based Alloys**
BİNAL AYBAR A., ANIK M.
International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 10 - 12 May 2017
- XXVII. **Synthesis of La-Mg-Ni-Co Hydrogen Storage Alloys by Electro-deoxidation**
BİNAL AYBAR A., ANIK M.
The Second International Hydrogen Technologies Congress - 2017 (IHTEC 2017), Adana, Turkey, 15 - 18 March 2017
- XXVIII. **Synthesis of CoB Nano-Powder as Electrode Material**

KÜÇÜKDEVECİ N., ANIK M.

2nd International Hydrogen Technologies Congress, 15 - 18 March 2017

- XXIX. **Use of molten salt method in the synthesis of metal hydride electrode materials**
ANIK M.
2016 ISTEC, 13 - 15 July 2016
- XXX. **Synthesis of carbon nanotubes via molten salt technique for li air batteries**
ANIK M., LÖKÇÜ E.
18th international metallurgy and materials congress, 29 October - 01 November 2016
- XXXI. **Corrosion characteristics of nanocrystalline Ni W electrolytic coating**
ADIGÜZEL Z., ANIK M.
EOROCORR 2016, 11 - 15 October 2016
- XXXII. **AZ91 Magnezyum Alaşımı Üzerine Yapılan Akımsız Ni-P-W / Al₂O₃ Kompozit Kaplamaya Uygulanan Isıl İşlemin Kaplamanın Korozyon Özelliklerine Etkisi**
TAŞCI S., ÖZDEN R. C., ANIK M.
14th International Corrosion Symposium, 5 - 07 October 2016
- XXXIII. **Corrosion properties of Ni P W Al₂O₃ Electroless composite coatings on AZ91 magnesium alloy**
Taşcı S., ÖZDEN R. C., ANIK M.
18th international metallurgy and materials congress, 29 September - 01 October 2016
- XXXIV. **SYNTHESIS and CHARACTERIZATION of A2B7 TYPE HYDROGEN STORAGE ALLOYS**
BİNAL AYBAR A., ANIK M.
International Material Science and Technology in Cappadocia (IMSTEC'16), April 6-8, 2016, Nevşehir, Turkey, Nevşehir, Turkey, 6 - 08 April 2016, pp.819-822
- XXXV. **Synthesis of La Mg Ni Co hydrogen storage alloys by the electro deoxidation technique**
BİNAL AYBAR A., ANIK M.
IEE8E, 11 - 13 May 2016
- XXXVI. **Synthesis and characterization of A2B7 type hydrogen storage alloys**
BİNAL AYBAR A., ANIK M.
IMSTEC 2016, 6 - 08 April 2016
- XXXVII. **Synthesis of cob nanopowder and determination of their electrode performances**
KÜÇÜKDEVECİ N., ANIK M.
IMSTEC 2016, 6 - 08 April 2016
- XXXVIII. **Electrode performances of electroless cob films**
KÜÇÜKDEVECİ N., ANIK M.
IMSTEC 2016, 6 - 08 April 2016
- XXXIX. **SYNTHESIS OF TI-NI BASED HYDROGEN STORAGE ALLOY IN MOLTEN SALT**
ANIK M.
25th Anniversary International Conference on Metallurgy and Materials (METAL), Brno, Czech Republic, 25 - 27 May 2016, pp.1280-1284
- XL. **Synthesis of L NixCo_{1-x} 5 Type Hydrogen Storage Alloys by Electro deoxidation**
ANIK M., HATIRNAZ N. B., BİNAL AYBAR A.
World congress and Expo on MaterialsScience & Polymer Engineering, Dubai, United Arab Emirates, 26 - 28 November 2015
- XLI. **Synthesis of La NixCo_{1-x} 5 type hydrogen storage alloys by electro deoxidation**
ANIK M., Başak H., BİNAL AYBAR A.
World congress and expo on materials science & polymer engineering, Dubai, United Arab Emirates, 26 - 28 November 2015
- XLII. **Synthesis of A2B7 Type Hydrogen Storage Alloys in the Molten Salt**
BİNAL AYBAR A., Duygu A., ANIK M.
mESC-IS 2015 International Symposium on Materials for Energy Storage & Conversion, Ankara, Turkey, 7 - 09 September 2015
- XLIII. **Use of Electro deoxidation in the synthesis of hydrogen storage alloys**

Başak H., Özdemir D., ANIK M.

mESC-IS 2015 International Symposium on Materials for Energy Storage & Conversion, Ankara, Turkey, 7 - 09 September 2015

XLIV. Molten Salt Synthesis of La Ni Co Hydrogen Storage Alloys

ANIK M., BİNAL AYBAR A., Başak H., Özdemir D.

METAL 2015, Brno, Czech Republic, 3 - 05 June 2015, pp.140

XLV. Haddelenmiş AZ91 Magnezyum Alaşımı Üzerine Ni-P-W Kaplama Uygulanması ve Kaplamanın Korozyon Karakteristikleri

TAŞÇI S., ÖZDEN R. C., ANIK M.

13th International Corrosion Symposium, 15 - 17 October 2014

XLVI. Selection of an oxidant for copper CMP

ANIK M.

205th ECS Meeting, San Antonio, TX, United States Of America, 9 - 13 May 2004, pp.327-337

XLVII. Ötektik fazın AZ91 alaşımının anodik davranışına etkisi

ANIK M., Avcı P., Tanrıverdi A., ÇELİKÜREK İ., BAKSAN B., GÜRLER R.

I. Ulusal Metalurji ve malzeme günleri, Eskişehir, Turkey, 27 - 28 May 2004, pp.203-208

XLVIII. Diffusion effect on the anodic reactions of tungsten

Anik M., Cansizoglu T., Cevik S.

International Symposium on Surface Oxide Films held at the 204th Electrochemical-Society Meeting, Florida, United States Of America, 12 - 17 October 2003, vol.2003, pp.227-240

Supported Projects

BAYKUL M. C., LÖKÇÜ E., ANIK M., Project Supported by Higher Education Institutions, Fotovoltaik Panel İle Şarj Edilebilen Li-Hava Pili'nin Geliştirilmesi, 2019 - 2022

ANIK M., Project Supported by Higher Education Institutions, Magnezyum Esaslı Elektrokimyasal Hidrojen Depolama Alaşımının Geliştirilmesi, 2013 - 2014

ANIK M., Project Supported by Higher Education Institutions, Yüksek Performanslı Elektrokimyasal Depolama Alaşımının Geliştirilmesi, 2013 - 2014

Metrics

Publication: 113

Citation (WoS): 1123

Citation (Scopus): 1263

H-Index (WoS): 20

H-Index (Scopus): 20

Non Academic Experience

Eskişehir Osmangazi Üniversitesi

Eskişehir Osmangazi Üniversitesi

Orta Doğu Teknik Üniversitesi