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Publons / Web Of Science ResearcherID: G-6773-2018

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Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Makine Mühendisliği A.B.D., Turkey 2014 - 2019

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Makine Mühendisliği A.B.D., Turkey 2012 - 2014

Undergraduate Double Major, Dumlupınar Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, Turkey 2007 - 2011

Undergraduate, Dumlupınar Üniversitesi, Mühendislik Fakültesi, Seramik Mühendisliği, Turkey 2005 - 2009

Dissertations

Doctorate, Investigation of physical and mechanical properties of 316L and 410 stainless steels manufactured by powder metallurgy method, Cukurova University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, 2019

Postgraduate, Investigating the structural and physical properties for Al-7000 series prepared on different temperatures and pressures, Cukurova University, Fen Bilimleri Enstitüsü, Makine Mühendisliği A.B.D., 2014

Research Areas

Mechanical Engineering, Construction and Manufacturing, Material, Metallurgical and Materials Engineering, Material science and engineering, Metallic Materials, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Cukurova University, Ceyhan Mühendislik Fakültesi, Makine Mühendisliği, 2020 - Continues

Research Assistant PhD, Cukurova University, Ceyhan Mühendislik Fakültesi, Makine Mühendisliği, 2019 - 2020

Research Assistant, Cukurova University, Ceyhan Mühendislik Fakültesi, Makine Mühendisliği, 2011 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Pressure effect on the structural, magnetic and thermophysical properties of X12Cr13 martensitic stainless steel prepared by powder metallurgy method**
Acar A. N., Kaya D., Ekşi A. K., Ekicibil A.
MATERIALS TODAY COMMUNICATIONS, vol.33, pp.104924-104935, 2022 (SCI-Expanded)
- II. **Green synthesis of Fe (II, III) oxides nanoparticles in the subcritical water medium and evaluation of**

their catalytic performance in the oxidation of metoprolol

Mutlu R. N., Yabalak E., Acar A. N., Gizir A. M.

JOURNAL OF NANOSTRUCTURE IN CHEMISTRY, vol.12, no.1, pp.79-92, 2022 (SCI-Expanded)

III. The effect of borax addition to aluminum alloy produced by powder metallurgy on mechanical and thermophysical properties

Mutlu R. N., Acar A. N., Gizir A. M.

Anti-Corrosion Methods And Materials, vol.69, no.1, pp.63-70, 2022 (SCI-Expanded)

IV. Fe Addition Influence on the Mechanical and Thermophysical Behaviours of PM Alumix 431 Allo

Acar A. N., Mutlu R. N., Kaya D., Ekşi A. K., Ekicibil A.

JOURNAL OF MOLECULAR STRUCTURE, vol.1, no.1, pp.130031-130045, 2021 (SCI-Expanded)

V. Effect of pressure on the magnetic and structural properties of X2CrNiMo17-12-2 austenitic stainless steel prepared by powder metallurgy method

ACAR A. N., EKŞİ A. K., EKİCİBİL A.

JOURNAL OF MOLECULAR STRUCTURE, vol.1198, 2019 (SCI-Expanded)

VI. Effect of temperature and pressure on mechanical, surface and electrochemical properties of Al-1.5Cu-5.5Zn-2.5Mg (Alumix-431)

ACAR A. N., MUTLU R. N., EKŞİ A. K., EKİCİBİL A., Yazici B.

ANTI-CORROSION METHODS AND MATERIALS, vol.65, no.6, pp.558-571, 2018 (SCI-Expanded)

Articles Published in Other Journals

I. The impact of glass powder on surface and morphological properties of Alumix 431 alloy

Acar A. N., Kaya D., Ekşi A. K., Ekicibil A.

The International Journal of Materials and Engineering Technology, vol.7, no.1, pp.32-37, 2024 (Peer-Reviewed Journal)

II. Structural and Surface Properties of Glass Powder Coated Cr Steels

Acar A. N., Kaya D., Ekşi A. K., Ekicibil A.

The International Journal of Materials and Engineering Technology, vol.4, no.2, pp.109-116, 2021 (Peer-Reviewed Journal)

III. Pressure Influence on the Thermophysical Properties of 316L Austenitic Stainless Steels Manufactured By Powder Metallurgy Method

Acar A. N., Ekşi A. K., Ekicibil A.

Çukurova Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.35, no.1, pp.241-249, 2020 (Peer-Reviewed Journal)

IV. Thermophysical Behaviours Of P/M Distaloy AE Alloys at Temperature Range of 0-600°C

Acar A. N., Ekşi A. K., Ekicibil A.

The International Journal of Materials and Engineering Technology,(TIJMET), vol.002, pp.64-69, 2019 (Peer-Reviewed Journal)

V. The Physical Properties Of Aluminium-7xxx Series Alloys Produced By Powder Metallurgy Method

Acar A. N., Ekşi A. K., Ekicibil A.

JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.21, pp.341-350, 2018 (ESCI)

VI. Some Transport Properties of Alumix-431 Materials by Prepared P/M Method

Ekşi A. K., Acar A. N., Ekicibil A.

Manufacturing Science and Technology, vol.3, no.5, pp.253-258, 2015 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. The Impact of Glass Powder on Surface and Morphological Properties of Alumix 431 Alloy

Acar A. N., Kaya D., Ekşi A. K., Ekicibil A.

The 5th International Conference of Materials and Engineering Technology (TICMET'23), Trabzon, Turkey, 13 - 16 November 2023, pp.345

- II. **Effect of 10% Portland limestone cement powder on the morphological properties of X12Cr13 martensitic stainless steels**
Acar A. N., Kaya D., Ekşi A. K., Ekicibil A.
4th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2022), Ankara, Turkey, 14 - 16 December 2022, pp.570-574
- III. **Surface and Structural Properties of Martensitic Stainless Steel –Glass Powder Composite Materials Prepared by Powder Metallurgy Method**
Acar A. N., Kaya D., Ekşi A. K., Ekicibil A.
The 4th International Conference of Materials and Engineering Technology (TICMET'22), İstanbul, Turkey, 8 - 10 September 2022, pp.99-103
- IV. **Structural And Surface Properties Of Glass Powder Coated Cr Steels**
Acar A. N., Kaya D., Ekşi A. K., Ekicibil A.
The 3rd International Conference of Materials and Engineering Technology (TICMET'21), Gaziantep, Turkey, 5 - 06 November 2021, pp.252
- V. **A Review on Aluminium Matrix Composites Manufactured by Powder Metallurgy,**
Pesen E., Ekşi A. K., Acar A. N., Ekicibil A.
The 3rd International Conference of Materials and Engineering Technology (TICMET'21), Gaziantep, Turkey, 5 - 06 November 2021, pp.54-62
- VI. **Effect of Glass Powder on the Surface and Microstructural Properties of Dual Phase Steels**
Acar A. N., Ekşi A. K., Ekicibil A.
'8th international Conference on Materials Science and Nanotechnology for Next Generation (MSNG2021), Elazığ, Turkey, 14 - 16 July 2021, pp.13-19
- VII. **Thermophysical Behaviors of Alumix (431)–Fe Alloy Mixtures Prepared by Powder Metallurgy Method**
Acar A. N., Mutlu R. N., Ekşi A. K., Ekicibil A.
6th international Conference on Materials Science and Nanotechnology for Next Generation (MSNG2019), Niğde, Turkey, 16 - 18 October 2019, pp.70-74
- VIII. **Specific Heat Capacity Behaviours of P/M Distaloy AE Alloy Compacts**
Acar A. N., Ekşi A. K., Ekicibil A.
International Conference on Condensed Matter and Materials Science-2019 (ICCMMS-19), Adana, Turkey, 14 - 19 October 2019, pp.7-13
- IX. **Corrosion Properties Of Distaloy AE Alloys Prepared By P M Method In 1M KOH Solution**
Acar A. N., Mutlu R. N., Ekşi A. K., Ekicibil A.
The International Conference of Materials and Engineering Technologies (TICMET'19), Gaziantep, Turkey, 10 - 12 October 2019, pp.743-751
- X. **Structural and Physical Properties of Sintered Distaloy AE Alloy Compacts**
Acar A. N., Ekşi A. K., Ekicibil A.
Fourth International Iron and Steel Symposium (UDCS'19 Fourth International Iron and Steel Symposium, Karabük, Turkey, 4 - 06 April 2019, pp.231-233
- XI. **Hardness, Density and Surface Properties of P/M Alumix-(431)–Fe Alloy Mixtures**
Acar A. N., Mutlu R. N., Ekşi A. K., Ekicibil A.
4th International Mediterranean Science and Engineering Congress (IMSEC 2019), Antalya, Turkey, 25 - 27 April 2019, pp.288-290
- XII. **'Magnetization and Electrical Resistivity of Al-7xxx Alloys Manufacturing by Powder Metallurgy Method**
Acar A. N., Ekşi A. K., Ekicibil A.
4th International Mediterranean Science and Engineering Congress (IMSEC 2019), Antalya, Turkey, 25 - 27 April 2019, pp.291-293
- XIII. **Corrosion Properties of Austenitic and Martensitic Stainless Steels Produced by Powder Metallurgy**

Method”

Acar A. N., Mutlu R. N., Ekşi A. K., Ekicibil A., Yazıcı B.

XVth International Corrosion Symposium (KORSEM'18), Hatay, Turkey, 26 - 28 September 2018, pp.369-381

- XIV. **Pressure Influence on the Thermophysical Properties of the P/M- Fe-Cr Martensitic Stainless Steels**
ACAR A. N., EKŞİ A. K., EKİCİBİL A.
1st International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2018), Ankara, Turkey, 22 - 23 November 2018, pp.2020-2024
- XV. **Evaluation of the Impact Toughnesses of the P/M-X12Cr13 Martensitic Stainless Steels**
ACAR A. N., EKŞİ A. K., EKİCİBİL A.
3rd International Mediterranean Science and Engineering Congress (IMSEC 2018), Adana, Turkey, 24 - 26 October 2018, pp.306-309
- XVI. **Investigation of Magnetic Properties of Zamak-2 Alloy Prepared by Powder Metallurgy**
KOCA B., MUTLU R. N., ACAR A. N., EKŞİ A. K., EKİCİBİL A., YAZICI B.
5th International Conference on Materials Science and Nanotechnology for Next Generation (MSNG2018), Nevşehir, Turkey, 4 - 06 October 2018, pp.334-337
- XVII. **On the View of the Impact Toughness of P/M- X2CrNiMo17-12-2 Austenitic Stainless Steels?**
ACAR A. N., EKŞİ A. K., EKİCİBİL A.
5th International Conference on Materials Science and Nanotechnology for Next Generation (MSNG2018), Nevşehir, Turkey, 4 - 06 October 2018, pp.1-4
- XVIII. **On the View of the Thermo-Physical Properties of X2CrNiMo17-12-2 Austenitic Stainless Steels Prepared by P/M Method**
ACAR A. N., EKŞİ A. K., EKİCİBİL A.
International Conference on Physical Chemistry and Functional Materials (PCFM 2018), Elazığ, Turkey, 19 - 21 June 2018, pp.120
- XIX. **On the Study of the Structural Properties of Fe-Cr Martensitic Stainless Steels Prepared by Powder Metallurgy Method**
ACAR A. N., EKŞİ A. K., EKİCİBİL A.
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.1
- XX. **The Effect of Pressure on the Magnetic Properties of X12Cr13 Martensitic Stainless Steels Prepared by Powder Metallurgy Method**
ACAR A. N., EKŞİ A. K., EKİCİBİL A.
International Conference on Condensed Matter and Material Sciences (ICCMMS2017), Adana, Turkey, 11 - 15 October 2017, pp.85
- XXI. **On the Structural Properties of Martensitic and Austenitic Stainless Steels Prepared by Powder Metallurgy**
ACAR A. N., EKŞİ A. K., EKİCİBİL A.
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'17), Nevşehir, Turkey, 11 - 13 October 2017, pp.750
- XXII. **The Magnetic Properties of X2CrNiMo17-12-2 Austenitic Stainless Steels Produced by P/M Method**
ACAR A. N., EKŞİ A. K., EKİCİBİL A.
4th International Conference on Materials Science and Nanotechnology for Next Generation (MSNG-2017), Saraybosna, Bosnia And Herzegovina, 28 - 30 June 2017, pp.268
- XXIII. **Investigating of Structural Properties of 316L Austenitic Stainless Steels Manufactured by P/M Method**
ACAR A. N., EKŞİ A. K., EKİCİBİL A.
4th International Conference on Materials Science and Nanotechnology for Next Generation (MSNG-2017), Saraybosna, Bosnia And Herzegovina, 28 - 30 June 2017, pp.276
- XXIV. **Investigation of the Mechanical and Surface Properties of Alumix 431 Alloys Prepared by Powder Metallurgy**
ACAR A. N., MUTLU R. N., EKŞİ A. K., EKİCİBİL A., YAZICI B.

- 1st International Mediterranean Science and Engineering Congress, Adana, Turkey, 26 - 28 October 2016, pp.1
- XXV. **The DSC Studies and Thermoelectric Properties of Alumix (431) Alloy prepared by P/M Method**
Acar A. N., Ekşi A. K., Ekicibil A.
2nd International of Advanced and Functional Material Technologies (AFMAT), Antalya, Turkey, 20 - 22 October 2016, pp.11
- XXVI. **Investigation of Alumix (431) Anode for Al-Air Battery Performance**
Mutlu R. N., Acar A. N., Ekşi A. K., Ekicibil A., Yazıcı B.
2nd International of Advanced and Functional Material Technologies (AFMAT), Antalya, Turkey, 20 - 22 October 2016, pp.25
- XXVII. **Corrosion Properties Of Cold And Warm Compacted Alumix 431 Alloys**
Acar A. N., Mutlu R. N., Ekşi A. K., Ekicibil A., Yazıcı B.
International Energy and Engineering Conference, Gaziantep, Turkey, 13 - 14 October 2016, pp.820
- XXVIII. **A study of physical and thermoelectric properties of alumix 431 materials produced P M method**
ACAR A. N., EKŞİ A. K., EKİCİBİL A.
European Congress and Exhibition on Advanced Materials and Processes, Varşova, Poland, 20 - 24 September 2015
- XXIX. **The Fatigue Properties of the Machine Elements Produced By Powder Metallurgy**
Ünal S., Ekşi A. K., Acar A. N., Dede D.
7th International Powder Metallurgy Conference and Exhibition, Ankara, Turkey, 24 - 28 June 2014, pp.50-51
- XXX. **Review: Searching of Thermoelectric Properties of of Al and Al Derivated Alloys Produced P/M Methods**
ACAR A. N., EKŞİ A. K.
7th International Powder Metallurgy Conference and Exhibition, Ankara, Turkey, 24 - 28 June 2014, pp.40-41

Supported Projects

Acar A. N., Kaya D., Ekşi A. K., Ekicibil A., Project Supported by Higher Education Institutions, Paslanmaz çelik çimento-cam tozu kompozit malzeme üretimi ve yapısal fiziksel ve mekaniksel özelliklerinin incelenmesi, 2021 - 2023

EKŞİ A. K., ACAR A. N., EKİCİBİL A., Project Supported by Higher Education Institutions, Toz Metalurjisi Metoduyla Üretilen 316 L Östenitik ve 410 Martenzitik Paslanmaz Çeliklerin Fiziksel ve Mekaniksel Özelliklerin İncelenmesi, 2018 - 2022

Metrics

Publication: 43
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Citation (Scopus): 4
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H-Index (Scopus): 1