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Eğitim Bilgileri

Doktora, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, Türkiye 2010 - 2018

Yüksek Lisans, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, Türkiye 2006 - 2010

Lisans, Çukurova Üniversitesi, Fen Edebiyat Fakültesi, Fizik, Türkiye 2002 - 2006

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, (La_{1-x}RE_x)_{0.85}K_{0.15}MnO₃ (RE = Pr ve Sm) MANGANİT BİLEŞİKLERİNİN YAPISAL, MANYETİK VE MANYETOKALORİK ÖZELLİKLERİNİN İNCELENMESİ, Çukurova Üniversitesi, Fen Edebiyat Fakültesi, Fizik, 2018

Yüksek Lisans, (Li-Ho) katkılı BPSCCO için süperiletkenlik özellikleri, Çukurova Üniversitesi, Fen Edebiyat Fakültesi, Fizik, 2010

Araştırma Alanları

Fizik, Yoğun Madde 2:Elektronik Yapı, Elektrik, Manyetik ve Optik Özellikler, Manyetik özellikler ve malzemeler, Süperiletkenlik, Temel Bilimler

Akademik Unvanlar / Görevler

Araştırma Görevlisi Dr., Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 2018 - Devam Ediyor

Araştırma Görevlisi, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, 2009 - 2018

Verdiği Dersler

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Room-temperature magnetocaloric properties of $y\text{La}_{0.67}\text{Ca}_{0.27}\text{Sr}_{0.06}\text{MnO}_3/1-y\text{La}_{0.7}\text{Sr}_{0.3}\text{Mn}_{0.95}\text{Cu}_{0.05}\text{O}_3$ composites**
Kılıç Çetin S., Akça G., Aslan M. S., Ekicibil A.
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- II. **Enhancement of magnetocaloric effect by partial substitution of Bi in $\text{La}_{0.60}\text{Dy}_{0.10}\text{Sr}_{0.30}\text{Mn}(1-x)\text{Bi}_x\text{O}_3$ manganites ($x = 0, 0.01, 0.03, \text{ and } 0.10$)**
KURT M. Z., KILIÇ ÇETİN S., KANDEMİR A., AKÇA G., KARADAĞ F., EKİCİBİL A.
Journal of Materials Science: Materials in Electronics, cilt.35, sa.8, 2024 (SCI-Expanded)
- III. **Magnetocaloric effect in $\text{PrGd}_{1-x}\text{Ba}_x\text{Mn}_2\text{O}_6$ ($0.0 \leq x \leq 1.0$) double perovskite manganite system**
Akça G., Kandemir A., Ayaş A. O., Kılıç Çetin S., Akyol M., Ekicibil A.
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, cilt.34, sa.34-, ss.1-16, 2023 (SCI-Expanded)
- IV. **Effects of Ca substitution on magnetic and magnetocaloric properties in $\text{PrBa}_{1-x}\text{Ca}_x\text{Mn}_2\text{O}_6$ system**
Kandemir A., Akça G., Kılıç Çetin S., Ayaş A. O., Akyol M., Ekicibil A.
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- V. **Magnetic refrigeration: Current progress in magnetocaloric properties of perovskite manganite materials**
Ayaş A. O., Çetin S., Akça G., Akyol M., Ekicibil A.
MATERIALS TODAY COMMUNICATIONS, cilt.35, ss.1-17, 2023 (SCI-Expanded)
- VI. **A comparative study of magnetic, and magnetocaloric properties of different transition metal-doped $\text{La}_{0.67}\text{Sr}_{0.33}\text{A}\text{O}_3$ (A: Mn, Co, Cr, and Fe) samples**
Coşkun A. T., Ak Y. S., Güleç N., Akça G., Kılıç Çetin S., Ekicibil A., Coşkun A.
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- VII. **Large magnetocaloric effect in La-based manganite composites near room temperature**
Kılıç Çetin S., Akça G., Ekicibil A.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, cilt.147, sa.23, ss.13073-13087, 2022 (SCI-Expanded)
- VIII. **Synthesis and characterization of bifunctional Ru doped La-based perovskites for magnetic refrigeration and energy storage systems**
Kılıç Çetin S., Akça G., Kaya D., Ayaş A. O., Ekicibil A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.1, ss.1-11, 2022 (SCI-Expanded)
- IX. **Enhancement of magnetic entropy change in $\text{La}_{0.57}\text{Nd}_{0.1}\text{Sr}_{0.33-x}\text{Ca}_x\text{MnO}_3$ manganites**
Akça G.
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, cilt.1, ss.1-18, 2022 (SCI-Expanded)
- X. **Investigation of the effect of sintering temperature on structural, magnetic and magnetocaloric properties in $\text{PrCaMn}_2\text{O}_6$ double perovskite manganite system**
AYAŞ A. O., KANDEMİR A., CETİN S. K., AKÇA G., AKYOL M., EKİCİBİL A.
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- XI. **Role of nickel doping on magnetocaloric properties of $\text{La}_{0.7}\text{Sr}_{0.3}\text{Mn}_{1-x}\text{Ni}_x\text{O}_3$ manganites**
Cetin S. K., AKÇA G., Aslan M. S., EKİCİBİL A.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, cilt.32, sa.8, ss.10458-10472, 2021 (SCI-Expanded)
- XII. **Microstructural Analysis, Magnetic Properties, and Critical Behavior of $\text{La}_{0.7}\text{Ba}_{0.15}\text{Sr}_{0.15}\text{CoO}_3$ Perovskite**
Alzahrani B., Akça G., Hcini S., Bouazizi M. L.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.34, sa.2, ss.507-518, 2021 (SCI-Expanded)

- XIII. **Structural, Magnetic, and Electrical Properties of Bi(1.6)Pb(0.4)Sr(2)Ca(2)Cu(3)O(10+x)Superconductor Prepared by Different Techniques**
Coskun A., AKÇA G., Tasarkuyu E., Battal O., EKİCİBİL A.
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- XIV. **Composite $x\text{La}(0.7)\text{Ca}(0.2)\text{Sr}(0.1)\text{MnO}(3) / (1-x)\text{La}_0.7\text{Te}_0.3\text{MnO}_3$ materials: magnetocaloric properties around room temperature**
Akça G., Cetin S., Ekicibil A.
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- XV. **Structural, Magnetic, and Magnetocaloric Properties of Pb-Substituted $\text{La}_{0.7}(\text{Te}_{1-x}\text{Pbx})_0.3\text{MnO}_3$ ($0.0 \leq x \leq 0.3$) Manganites**
KILIÇ ÇETİN S., AKÇA G., AYAŞ A. O., Akyol M., EKİCİBİL A.
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- XVI. **Effect of B site partial Ru substitution on structural magnetic and magnetocaloric properties in $\text{La}_0.7\text{Pb}_0.3\text{Mn}_{1-x}\text{Ru}_x\text{O}_3$ ($x=0.0, 0.1$ and 0.2) perovskite system**
Ayas A. O., Cetin S., AKYOL M., AKÇA G., EKİCİBİL A.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1200, 2020 (SCI-Expanded)
- XVII. **Impact of small Er rare earth element substitution on magnetocaloric properties of $(\text{La}_{0.9}\text{Er}_{0.1})_0.6\text{PB}_{0.33}\text{MnO}_3$ perovskite**
Cetin S., Akça G., Ekicibil A.
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- XVIII. **Structural, magnetic and magnetocaloric properties of $(\text{La}_{1-x}\text{Sm}_x)_0.85\text{K}_0.15\text{MnO}_3$ ($x=0.0, 0.1, 0.2$ and 0.3) perovskite manganites**
AKÇA G., Cetin S. K., EKİCİBİL A.
CERAMICS INTERNATIONAL, cilt.43, sa.17, ss.15811-15820, 2017 (SCI-Expanded)
- XIX. **Effect of Monovalent Cation Doping on Structural, Magnetic, and Magnetocaloric Properties of $\text{Pr}_{0.85}\text{A}_{0.15}\text{MnO}_3$ ($\text{A} = \text{Ag}$ and K) Manganites**
AKÇA G., Ayas A. O., Cetin S. K., AKYOL M., EKİCİBİL A.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.30, sa.6, ss.1515-1525, 2017 (SCI-Expanded)
- XX. **Magnetocaloric properties of $(\text{La}_{1-x}\text{Pr}_x)_0.85\text{K}_0.15\text{MnO}_3$ ($x=0.0, 0.1, 0.3$ and 0.5) perovskite manganites**
AKÇA G., Cetin S., Gunes M., EKİCİBİL A.
CERAMICS INTERNATIONAL, cilt.42, sa.16, ss.19097-19104, 2016 (SCI-Expanded)
- XXI. **Effect of Ca doping on thermally activated flux flow in the $\text{Y}_3\text{Ba}_5\text{Cu}_8\text{O}_{18}$ superconductor**
AKYOL M., Ayas A. O., AKÇA G., Cetin S., EKİCİBİL A.
BULLETIN OF MATERIALS SCIENCE, cilt.38, sa.5, ss.1231-1237, 2015 (SCI-Expanded)
- XXII. **Magnetocaloric Properties of $\text{La}_{0.85}\text{Ag}_{0.15}\text{MnO}_3$ and $(\text{La}_{0.80}\text{Pr}_{0.20})_0.85\text{Ag}_{0.15}\text{MnO}_3$ Compounds**
Ayas A. O., AKYOL M., CETIN S., AKÇA G., EKİCİBİL A., ÖZÇELİK B.
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- XXIII. **Effects of Mn and Gd Co-substituted into ZnO on Structural and Magnetic Properties**
Bulcar K., AKYOL M., AKÇA G., Ayas A. O., TOPAKSU M., EKİCİBİL A.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.27, sa.11, ss.2631-2637, 2014 (SCI-Expanded)
- XXIV. **Influence of lithium-holmium co-doped on structural and electrical properties of BSCCO superconductor**
AKÇA G., EKİCİBİL A., Kiyamac K.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, cilt.15, ss.229-234, 2013 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Effects of Mn-site doping on the magnetocaloric properties of $\text{La}_{0.62}\text{Bi}_{0.05}\text{Ca}_{0.33}\text{Mn}_{1-x}\text{Ru}_x\text{O}_3$ manganite system**

KILIÇ ÇETİN S., AKÇA G., EKİCİBİL A.

Düzce Üniversitesi Bilim ve Teknoloji Dergisi, cilt.10, sa.4, ss.1715-1724, 2022 (Hakemli Dergi)

II. **Effects of copper substitution to Mn-site on magnetic and magnetocaloric properties of La_{0.7}Sr_{0.3}Mn_{1-x}Cu_xO₃ manganites**

KILIÇ ÇETİN S., AKÇA G., ASLAN M. S., EKİCİBİL A.

Adıyaman Üniversitesi Fen Bilimleri Dergisi, cilt.12, sa.1, ss.142-161, 2022 (Hakemli Dergi)

III. **Magnetic and Magnetocaloric Properties of 0.5La_{0.7}Ca_{0.2}Sr_{0.1}MnO₃/0.5La_{0.7}Te_{0.3}MnO₃ Composite**

Akça G., Kılıç Çetin S., Ekicibil A.

CUMHURİYET SCIENCE JOURNAL, cilt.41, sa.1, ss.144-151, 2020 (Hakemli Dergi)

IV. **The Investigation of Structural, Magnetic and Magnetocaloric Properties of (La_{0.9}Er_{0.1})_{0.85}K_{0.15}MnO₃ Manganite Compound**

AKÇA G., KILIÇ ÇETİN S.

ÇUKUROVA ÜNİVERSİTESİ MÜHENDİSLİK MİMARLIK FAKÜLTESİ DERGİSİ, cilt.34, sa.1, ss.139-144, 2019 (Hakemli Dergi)

Kitap & Kitap Bölümleri

I. **Transport Properties of Superconducting Materials**

Ekicibil A., Karadağ F., Kılıç Çetin S., Ayaş A. O., Akça G., Akyol M., Kaya D.

Superconducting Materials, Yassine Slimani, Essia Hannachi, Editör, Springer, London/Berlin, Singapore, ss.29-60, 2022

II. **Transport Properties of Superconducting Materials**

EKİCİBİL A., KARADAĞ F., KILIÇ ÇETİN S., AYAŞ A. O., AKÇA G., AKYOL M., KAYA D.

Superconducting Materials, Slimani Yassine, Hannachi Essia, Editör, Springer, Singapore, ss.29-60, 2022

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **Magnetic entropy change in Bi-doped Nd_{0.55}Ca_{0.05}Ba_{0.40}Mn_{1-x}Bi_xO₃ (x = 0 and 0.02) perovskite manganites**

AKÇA G., KILIÇ ÇETİN S., EKİCİBİL A.

Middle East International Conference on Contemporary Scientific Studies-VIII, Adana, Türkiye, 7 - 08 Ocak 2023

II. **Structural, Magnetic and Magnetocaloric Features of PrBa_{1-x}Ca_xMn₂O₆ (0.0 ≤ x ≤ 0.3) Double Perovskite Manganite System**

Kandemir A., Akça G., Kılıç Çetin S., Ayaş A. O., Akyol M., Ekicibil A.

4th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2022), Ankara, Türkiye, 14 - 16 Aralık 2022, ss.135

III. **Magnetic and Magnetocaloric properties of Pr_{0.6}Sr_{0.4}MnO₃ manganite**

Akça G.

6th International Conference on Advances in Natural and Applied Sciences, Ağrı, Türkiye, 11 - 13 Ekim 2022, ss.1

IV. **INVESTIGATION OF MAGNETIC AND MAGNETOCALORIC PROPERTIES OF COMPOSITES CONSIST OF La-BASED MANGANITES**

Kılıç Çetin S., Akça G., Aslan M. S., Ekicibil A.

ÇUKUROVA 8th INTERNATIONAL SCIENTIFIC RESEARCHES CONFERENCE, Adana, Türkiye, 15 - 17 Nisan 2022, ss.717

V. **Structural, Magnetic and Magnetocaloric Properties of PrBa_{0.5}Gd_{0.5}Mn₂O₆ Compound**

Kandemir A., Ayaş A. O., Kılıç Çetin S., Akça G., Akyol M., Ekicibil A.

3rd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2021), Ankara, Türkiye, 15 - 17 Aralık 2021, ss.13

VI. **Magnetic and magnetocaloric properties of Pr_{0.55}Ca_{0.05}Ba_{0.4}Mn_{1-x}Bi_xO₃ (x:0, 0.02) manganites**

Akça G., Kılıç Çetin S., Ekicibil A.

3rd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2021), Ankara, Türkiye, 15 - 17 Aralık 2021, ss.96

- VII. **Structural and Magnetic Properties with Magnetocaloric Effect in $\text{Pr}(\text{Ba}_{1-x}\text{Gd}_x)\text{Mn}_2\text{O}_6$ ($x = 0.6, 0.7,$ and 1.0) Double Perovskite Manganite System**
Kandemir A., Kılıç Çetin S., Ayaş A. O., Akça G., Akyol M., Ekicibil A.
6th International Mediterranean Science and Engineering Congress (IMSEC 2021), Antalya, Türkiye, 25 - 27 Ekim 2021, ss.1
- VIII. **Increase in the relative cooling power of $x\text{La}_{0.67}\text{Ca}_{0.27}\text{Sr}_{0.06}\text{MnO}_3 / (1-x)\text{La}_{0.7}\text{Sr}_{0.3}\text{Mn}_{0.94}\text{Ni}_{0.06}\text{O}_3$ Composites ($x = 0.25, 0.50$ and 0.75),**
KILIÇ ÇETİN S., AKÇA G., Aslan M. S., EKİCİBİL A.
8th International Conference on Materials Science and Nanotechnology for Next Generation (MSNG2021), Elazığ, Türkiye, 14 - 16 Temmuz 2021
- IX. **Increase in the relative cooling power of $x\text{La}_{0.67}\text{Ca}_{0.27}\text{Sr}_{0.06}\text{MnO}_3 / (1-x)\text{La}_{0.7}\text{Sr}_{0.3}\text{Mn}_{0.94}\text{Ni}_{0.06}\text{O}_3$ Composites ($x = 0.25, 0.50$ and 0.75)**
Kılıç Çetin S., Akça G., Aslan M. S., Ekicibil A.
8th International Conference on Materials Science and Nanotechnology for Next Generation MSNG2021), Elazığ, Türkiye, 14 - 16 Temmuz 2021, ss.80
- X. **Structural and Magnetic Properties with Magnetocaloric Effect in $\text{Pr}(\text{Gd}_{1-x}\text{Ba}_x)\text{Mn}_2\text{O}_6$ Double Perovskite Manganite System**
Kandemir A., Kılıç Çetin S., Ayaş A. O., Akça G., Akyol M., Ekicibil A.
8th International Conference on Materials Science and Nanotechnology for Next Generation (MSNG2021), Elazığ, Türkiye, 14 - 16 Temmuz 2021, ss.41
- XI. **Magnetic Multi Phases: Magnetic and Magnetocaloric properties**
AKÇA G.
3. International Mediterranean Symposium, Mersin, Türkiye, 30 Ekim - 02 Kasım 2019, ss.310-311
- XII. **Magnetocaloric Effect in Er-Substituted $(\text{La}_{1-x}\text{Er}_x)\text{O}_{0.67}\text{Ba}_{0.33}\text{MnO}_3$ manganites**
KILIÇ ÇETİN S., AKÇA G., EKİCİBİL A.
6th International conference on materials science and nanotechnology for next generation (MSNG2019), Niğde, Türkiye, 16 - 19 Ekim 2019, ss.80
- XIII. **Magnetocaloric properties of $x\text{La}_{0.7}\text{Ca}_{0.2}\text{Sr}_{0.1}\text{MnO}_3 / (1-x)\text{La}_{0.7}\text{Te}_{0.3}\text{MnO}_3$ composites**
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- XIV. **Determination of the Nature of Magnetic Phase Transition in Some Magnetocaloric Manganites Using Different Methods**
AKÇA G., KILIÇ ÇETİN S., EKİCİBİL A.
INTERNATIONAL CONFERENCE ON CONDENSED MATTER AND MATERIAL, Adana, Türkiye, 14 - 19 Ekim 2019, ss.52
- XV. **Structural, magnetic and magnetocaloric properties of $(\text{La}_{0.8}\text{Pr}_{0.2})\text{O}_{0.85}\text{K}_{0.15}\text{MnO}_3$ manganite compound**
AKÇA G., KILIÇ ÇETİN S., EKİCİBİL A.
5th International conference on materials science and nanotechnology for next generation (MSNG2018), Nevşehir, Türkiye, 4 - 06 Ekim 2018
- XVI. **Structural, magnetic and magnetocaloric properties of $\text{La}_{0.7}\text{Ca}_{0.2}\text{Sr}_{0.1}\text{MnO}_3$ manganite**
AKÇA G., KILIÇ ÇETİN S., EKİCİBİL A.
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- XVII. **Magnetic and Magnetocaloric Properties of $\text{La}_{0.7}\text{Ca}_{0.2}\text{Sr}_{0.1}\text{MnO}_3$ Manganite**
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Türkiye, 4 Ekim - 29 Eylül 2018, ss.47

- XVIII. **Magnetic and Magnetocaloric Properties of Er-doped (La_{0.9}Er_{0.1})_{0.67}Pb_{0.33}MnO₃ Perovskite**
KILIÇ ÇETİN S., AKÇA G., EKİCİBİL A.
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- XIX. **MAGNETIC AND MAGNETOCALORIC PROPERTIES OF LA_{0.7}TE_{0.3}MNO₃ MANGANITE COMPOUND**
KILIÇ ÇETİN S., AKÇA G., AYAS A. O., AKYOL M., EKİCİBİL A.
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- XX. **Magnetic Properties of Perovskite (La_{0.9}Dy_{0.1})_{0.85}Ag_{0.15}MnO₃ Compound**
Ayaş A. O., Akyol M., Kılıç Çetin S., Akça G., Ekicibil A.
5.th International Conference on Materials Science and Nanotechnology for Next Generation, Nevşehir, Türkiye, 4 - 06 Haziran 2018
- XXI. **Magnetocaloric properties of (La_{0.9}Er_{0.1})_{0.85}K_{0.15}MnO₃ manganite**
AKÇA G., KILIÇ ÇETİN S., EKİCİBİL A.
International Conference on Condensed Matter and Material Sciences, Adana, Türkiye, 11 - 15 Ekim 2017, ss.1
- XXII. **Structural, Magnetic and Magnetocaloric Properties of (La_{0.7}Pr_{0.3})_{0.85}M_{0.15}MnO₃ (M= K and Ag) Perovskites**
AKÇA G., AYAS A. O., CETIN S. K., EKİCİBİL A.
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- XXIII. **Magnetocaloric properties of (La_{0.9}Sm_{0.1})_{0.85}K_{0.15}MnO₃ manganite**
AKÇA G., KILIÇ ÇETİN S., EKİCİBİL A.
1st International Mediterranean Science and Engineering Congress, Adana, Türkiye, 26 - 28 Ekim 2016, ss.1
- XXIV. **The effect of monovalent Ag and K cation on the magnetocaloric properties in (La_{0.9}Pr_{0.1})_{0.85}A_{0.15}MnO₃ manganites (A= Ag,K)**
AKÇA G., Ayas A. O., KILIÇ ÇETİN S., AKYOL M., EKİCİBİL A.
1st International Mediterranean Science and Engineering Congress, Adana, Türkiye, 26 - 28 Ekim 2016, ss.1
- XXV. **Influence of rare earth ion doping on the structural, magnetic and magnetocaloric properties of (La_{1-x}RE_x)_{0.85}K_{0.15}MnO₃ (x = 0 and 0.1; RE: Pr and Sm) manganites**
EKİCİBİL A., AKÇA G., KILIÇ ÇETİN S.
3rd INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING (ICCESEN-2016), Antalya, Türkiye, 19 - 24 Ekim 2016, ss.1
- XXVI. **Magnetic and Magnetocaloric Properties of (La_{0.9}Er_{0.1})_{0.67}Ba_{0.33}MnO₃ Perovskite Manganite**
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