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International Researcher IDs

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Publons / Web Of Science ResearcherID: CAF-1175-2022

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Education Information

Postgraduate, Akdeniz University, Institute of Health Sciences , Turkey 2021 - Continues

Doctorate, Inonu University, Fen Bilimleri Enstitüsü, Turkey 2010 - 2016

Postgraduate, Inonu University, Fen Bilimleri Enstitüsü, Turkey 2008 - 2010

Undergraduate, Inonu University, Fen-Edebiyat Fakültesi, Fizik, Turkey 2004 - 2008

Research Areas

Natural Sciences

Academic Titles / Tasks

Lecturer PhD, Akdeniz University, Health Services Vocational School, Department of Medical Services and Techniques, 2021 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A comparison of the corrosion resistance of galvanized low steel with solgel method coated ZrO₂, ZrO₂+Polymer coating**
MUTLU İ. H., Emre M. C., KAYA A. O.
Kuwait Journal of Science, vol.50, no.4, pp.524-538, 2023 (SCI-Expanded)
- II. **Resonance Frequency Shift of Vibrating Amorphous Ribbon via Surface Adsorption of Magnetic Fe₃O₄ Nanoparticles**
ATALAY S., Inan O. O., KOLAT V. S., KAYA A. O.
Journal of Superconductivity and Novel Magnetism, vol.36, no.5, pp.1421-1425, 2023 (SCI-Expanded)
- III. **Influence of Ti substitution on magnetic and magnetocaloric properties of Pr₂Fe_{17-x}Ti_x intermetallic compounds**
Cengiz N., Pektas M., KAYA A., BAYRİ N., İZGİ T., GENÇER H., KOLAT V. S., ATALAY S.
Journal of Materials Science: Materials in Electronics, vol.34, no.5, 2023 (SCI-Expanded)
- IV. **Surface modification of YIG by magnet array**
ATALAY S., KOLAT V. S., Bakir H., İZGİ T., KAYA A. T., KAYA O. A., GENÇER H.
Applied Surface Science, vol.354, pp.337-341, 2015 (SCI-Expanded)

- V. **One-Dimensional Magnonic Crystal for Magnetic Field Sensing**
ATALAY S., KAYA A. T., KOLAT V. S., GENÇER H., İZGİ T.
Journal of Superconductivity and Novel Magnetism, vol.28, no.7, pp.2071-2075, 2015 (SCI-Expanded)
- VI. **YIG film for magnetic field sensor**
Kay A., ATALAY S., GENÇER H., KAYA O. A., KOLAT V. S., İZGİ T.
Acta Physica Polonica A, vol.127, no.4, pp.937-939, 2015 (SCI-Expanded)
- VII. **The crystallisation kinetics, magnetic and magnetocaloric properties of Gd₅₅Co₂₀Fe₅Al₂₀ - XSix (x = 0, 5, 10, 15) alloys**
GENÇER H., İZGİ T., KOLAT V. S., BAYRİ N., KAYA A. T., ATALAY S.
Journal of Non-Crystalline Solids, vol.379, pp.185-191, 2013 (SCI-Expanded)
- VIII. **Influence of Si substitution on the structural, magnetic and magnetocaloric properties of Gd₅₅Co₂₀Fe₅Al₂₀ - XSix alloys**
ATALAY S., GENÇER H., KAYA A. T., KOLAT V. S., İZGİ T.
Journal of Non-Crystalline Solids, vol.365, no.1, pp.99-104, 2013 (SCI-Expanded)
- IX. **Magnetotransport and magnetoresistance properties of Pr_{0.68}Ca_{0.32}-xSrxMnO₃ (x=0, 0.1, 0.18, 0.26 and 0.32) manganites**
İZGİ T., KOLAT V. S., BAYRİ N., KAYA A. O., GENÇER H., ATALAY S.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, 2011 (SCI-Expanded)
- X. **Magnetic and magnetocaloric properties of (Gd_{1-x}Cex)Al₂ (x = 0, 0.25, 0.5, 0.75) compounds**
GENÇER H., İZGİ T., KOLAT V. S., KAYA A. T., ATALAY S.
Journal of Magnetism, vol.16, no.4, pp.337-341, 2011 (SCI-Expanded)
- XI. **Influence of Ge and Bi substitution on the magnetic and magnetocaloric properties of LaFe_{11.4}Si_{1.6}**
Kaya A. O.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.12, no.5, pp.1129-1134, 2010 (SCI-Expanded)
- XII. **Metamagnetic transition and magnetocaloric effect in charge-ordered Pr_{0.68}Ca_{0.32}-xSrxMnO₃ (x=0, 0.1, 0.18, 0.26 and 0.32) compounds**
KOLAT V. S., İZGİ T., KAYA A. T., BAYRİ N., GENÇER H., ATALAY S.
Journal of Magnetism and Magnetic Materials, vol.322, no.4, pp.427-433, 2010 (SCI-Expanded)
- XIII. **Production of LaFe_{11.4}Si_{1.6} compound at high temperature with a very short annealing time**
KOLAT V. S., İZGİ T., GENÇER H., KAYA A. O., BAYRİ N., ATALAY S.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **Investigation effect of pulsed magnetic fields on pepper (Capsicum annum L) plant grow**
Kaya A. O., Emre M. C., Çalıř Ö., Tozlu İ., Mutlu İ. H.
Mediterranean Agricultural Sciences, vol.37, no.3, pp.111-114, 2024 (Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

- I. **Kobalt Ferrit Manyetik Nanoparçacıkların Sentezinde pH ve Polietilen Glikol Miktarının Etkisi**
Kaya A. O., Emre M. C., Mutlu İ. H.
15.Uluslararası Bilimsel Çalışmalar Kongresi, Elazığ, Turkey, 26 - 27 December 2024, pp.674-683
- II. **MnSO₄ Manyetik Tozlarının Radar Absorpsiyon Özellikleri**
Kaya A. O., Emre M. C., Sağ H. İ., Mutlu İ. H.
15. Uluslararası Bilimsel Çalışmalar Kongresi, Elazığ, Turkey, 26 - 27 December 2024, pp.669-673

Supported Projects

Kaya A. O., Mutlu İ. H., Hoda N., Aslan F., Ateş K., Emre M. C., Yıldırım O., Project Supported by Higher Education Institutions, Manyetik Nano Parçacık Katkılı Boyaların Elektromanyetik Dalga Absorbsiyonu, 2023 - 2025
Kaya A. O., Kaya O. A., Gençer H., İzgi T., Atalay S., TUBITAK Project, Magnonik Kristaller, 2013 - 2015
Kaya A. O., İzgi T., Kolat V. S., Gençer H., Atalay S., TUBITAK Project, LaFeSi Ve Katkılanmış LaFeSi Malzemelerinde Manyetokalorik Etki, 2007 - 2009

Metrics

Publication: 16
Citation (Scopus): 131
H-Index (Scopus): 5

Scholarships

Magnonik Kristaller, TUBITAK, 2015 - 2016