

## Prof. SELÇUK ATALAY

### Personal Information

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### Education Information

Postgraduate, Bath Spa University College, Fizik, Fizik, United Kingdom 1989 - 1992

Doctorate, Bath Spa University College, Fizik, Fizik, United Kingdom 1989 - 1992

Undergraduate, Inonu University, Fen Ed, Fizik, Turkey 1981 - 1986

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Magnetoelastic properties of amorphous wires, Bath Spa University College, Physics, Physics, 1992

Postgraduate, Magnetoelastic properties of amorphous wires, Bath Spa University College, Physics, Physics, 1989

### Research Areas

Physics, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Magnetic Properties and Materials, Natural Sciences

### Academic Titles / Tasks

Professor, Inonu University, Fen Ed, Fizik, 2000 - Continues

Associate Professor, Inonu University, Fen Ed, Fizik, 1995 - 2000

Assistant Professor, Inonu University, Fen Ed, Fizik, 1993 - 1995

Research Assistant, Inonu University, Fen Ed, Fizik, 1986 - 1993

### Courses

Manyetizma, Undergraduate Double Major, 2013-2014

İstatistik Fizik, Undergraduate, 2013-2014

Temel Fizik I (Mekanik), Undergraduate, 2013-2014

Elektronik, Undergraduate, 2013-2014

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Resonance Frequency Shift of Vibrating Amorphous Ribbon via Surface Adsorption of Magnetic Fe<sub>3</sub>O<sub>4</sub> Nanoparticles**  
Atalay S.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.36, no.5, pp.1421-1425, 2023 (SCI-Expanded)
- II. **A Positive Effect of Magnetic Field on the Catalytic Activity of Immobilized L-Asparaginase: Evaluation of its Feasibility**  
Dik G., Ulu A., Inan O. O., ATALAY S., ATEŞ B.  
CATALYSIS LETTERS, vol.153, no.5, pp.1250-1264, 2023 (SCI-Expanded)
- III. **Structural, magnetic and magnetocaloric properties of Ru doped Pr<sub>0.67</sub>Ca<sub>0.33</sub>Mn<sub>1-x</sub>Ru<sub>x</sub>O<sub>3</sub> manganites**  
Kanikirmizi T., İZGİ T., BAYRİ N., GENÇER H., KOLAT V. S., Pektas M., ATALAY S.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.33, no.27, pp.21778-21795, 2022 (SCI-Expanded)
- IV. **Structural, magnetic, and magnetocaloric properties of (1-x)La<sub>0.7</sub>Ca<sub>0.3</sub>MnO<sub>3</sub>/(x)La<sub>0.7</sub>Ag<sub>0.3</sub>MnO<sub>3</sub> composites**  
Yigiter N., Pektas M., Kolat V. S., Izgi T., Bayri N., Gencer H., Atalay S.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.33, no.7, pp.4721-4735, 2022 (SCI-Expanded)
- V. **Detection of Diazinon Organophosphates Using Magnetoelastic Sensor**  
ATALAY S., ATEŞ B., Balcioglu S., Inan O. O., Kolak S., ŞİMŞEK M., KOLAT V. S., KÖYTEPE S., İZGİ T.  
IEEE TRANSACTIONS ON MAGNETICS, vol.58, no.2, 2022 (SCI-Expanded)
- VI. **Magnetic and Magnetocaloric Properties of Pr<sub>2</sub>Fe<sub>17-x</sub>Cu<sub>x</sub> Intermetallic Compounds**  
Cengiz N. E., Pektas M., KOLAT V. S., İZGİ T., GENÇER H., BAYRİ N., ATALAY S.  
JOURNAL OF MAGNETICS, vol.26, no.3, pp.332-340, 2021 (SCI-Expanded)
- VII. **Magnetic field sensor using the asymmetric giant magnetoimpedance effect created by micromagnets**  
Pektas M., Kolat V. S., Bayri N., Izgi T., Atalay S.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.32, no.10, pp.13062-13067, 2021 (SCI-Expanded)
- VIII. **Influence of Ferromagnetic Ribbon Width on Q Factor and Magnetoelastic Resonance Frequency**  
Atalay S., Inan O. O., Kolat V. S., Izgi T.  
ACTA PHYSICA POLONICA A, vol.139, no.2, pp.159-163, 2021 (SCI-Expanded)
- IX. **Effects of Ru substitution on the structural, magnetic and magnetocaloric properties of Pr<sub>0.68</sub>Ca<sub>0.22</sub>Sr<sub>0.1</sub>Mn<sub>1-x</sub>Ru<sub>x</sub>O<sub>3</sub> (x=0, 0.05, 0.1 and 0.2) compounds**  
Pektas M., İZGİ T., GENÇER H., ATALAY S., KOLAT V. S., BAYRİ N.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.31, no.18, pp.15731-15741, 2020 (SCI-Expanded)
- X. **A Rapid Response Humidity Sensor for Monitoring Human Respiration with TiO<sub>2</sub>-Based Nanotubes as a Sensing Layer**  
ATALAY S., ERDEMOĞLU S., KOLAT V. S., İZGİ T., Akgeyik E., Yilmaz H. C., Kaya H., ATALAY F.  
JOURNAL OF ELECTRONIC MATERIALS, vol.49, no.5, pp.3209-3215, 2020 (SCI-Expanded)
- XI. **Magnetoelastic Humidity Sensors with TiO<sub>2</sub> Nanotube Sensing Layers**  
ATALAY S., İZGİ T., KOLAT V. S., ERDEMOĞLU S., Inan O. O.  
SENSORS, vol.20, no.2, 2020 (SCI-Expanded)
- XII. **Magnetoelastic sensor for magnetic nanoparticle detection**  
Atalay S., Kolat V. S., Atalay F., Bayri N., Kaya H., Izgi T.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.465, pp.151-155, 2018 (SCI-Expanded)
- XIII. **Formation of asymmetric giant magnetoimpedance in amorphous ferromagnetic wires by micro magnets**  
BUZNIKOV N. A., ATALAY S.  
MATERIALS RESEARCH EXPRESS, vol.5, no.6, 2018 (SCI-Expanded)

- XIV. **Magnetoimpedance Effect on Single NiFe Nanowire**  
ATALAY F., KAYA H., ATALAY S.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.30, no.7, pp.1795-1800, 2017 (SCI-Expanded)
- XV. **Structural, Magnetic and Magnetocaloric Properties of Pr<sub>0.68</sub>Ca<sub>0.32-x</sub>Bi (x) MnO<sub>3</sub> (x=0, 0.1, 0.18, 0.26 and 0.32) Compounds**  
GENÇER H., İZGİ T., BAYRİ N., PEKTAS M., KOLAT V. S., ATALAY S.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.29, no.9, pp.2443-2450, 2016 (SCI-Expanded)
- XVI. **Magnetoelastic Sensor Studies on Amorphous Magnetic FeSiB Wire and the Application in Viscosity Measurement**  
ATALAY S., KOLAT V. S., BAYRİ N., İZGİ T.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.29, no.6, pp.1551-1556, 2016 (SCI-Expanded)
- XVII. **Crystallisation Kinetics of Co<sub>75-x</sub>M<sub>x</sub>Si<sub>15</sub>B<sub>10</sub> (M = Fe, Mn, Cr and x=0, 5) Amorphous Alloys**  
BAYRİ N., KOLAT V. S., İZGİ T., ATALAY S., GENÇER H., SOVAK P.  
ACTA PHYSICA POLONICA A, vol.129, no.1, pp.84-87, 2016 (SCI-Expanded)
- XVIII. **Surface modification of YIG by magnet array**  
ATALAY S., KOLAT V. S., BAKIR H. G., İZGİ T., KAYA A., KAYA O. A., GENÇER H.  
APPLIED SURFACE SCIENCE, vol.354, pp.337-341, 2015 (SCI-Expanded)
- XIX. **Study of nanocrystallization process in FeCrCuNbSiB amorphous alloys by Young's modulus measurements**  
BAYRİ N., ATALAY S., KOLAT V. S., İZGİ T., SOVAK P.  
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.17, pp.1372-1378, 2015 (SCI-Expanded)
- XX. **One-Dimensional Magnonic Crystal for Magnetic Field Sensing**  
ATALAY S., KAYA A., KOLAT V. S., GENÇER H., İZGİ T.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.28, no.7, pp.2071-2075, 2015 (SCI-Expanded)
- XXI. **Structural, Magnetic, and Magnetocaloric Properties of La<sub>1-x</sub>Bi (x) MnO<sub>3</sub> (x=0.01, 0.03, 0.06, 0.1, 0.2) Compounds**  
KOLAT V. S., ATALAY S., İZGİ T., GENÇER H., BAYRİ N.  
METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, no.6, pp.2591-2597, 2015 (SCI-Expanded)
- XXII. **Amorphous ferromagnetic wire for manipulation of magnetic nanowires**  
ATALAY S., ATALAY F.  
SENSORS AND ACTUATORS A-PHYSICAL, vol.226, pp.1-4, 2015 (SCI-Expanded)
- XXIII. **The structural, magnetic and magnetocaloric properties of La<sub>0.67</sub>Ca<sub>0.33-x</sub>Mg<sub>x</sub>MnO<sub>3</sub> (x=0, 0.02, 0.05, 0.1, 0.2, 0.33) compounds**  
KOLAT V. S., ESTURK U., İZGİ T., GENÇER H., ATALAY S.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.628, pp.1-8, 2015 (SCI-Expanded)
- XXIV. **Magneto-resistance of Electrodeposited Co/Cu Multilayer Nanowires**  
AVCU D., ATALAY F., ATALAY S., KAYA H., AYDOGMUS E.  
ACTA PHYSICA POLONICA A, vol.127, no.4, pp.1115-1117, 2015 (SCI-Expanded)
- XXV. **YIG Film for Magnetic Field Sensor**  
KAYA 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)
- XXVI. **Structural, magnetic and magnetocaloric properties of the compound La<sub>0.94</sub>Bi<sub>0.06</sub>MnO<sub>3</sub>**  
İZGİ T., KOLAT V. S., BAYRİ N., GENÇER H., ATALAY S.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.372, pp.112-116, 2014 (SCI-Expanded)
- XXVII. **Magneto-resistance of Electrochemically Produced NiFe and CoNiFe Nanowires**  
AVCU D., ATALAY F., AYDOGMUS E., KAYA H., ATALAY S.  
ACTA PHYSICA POLONICA A, vol.125, no.2, pp.230-231, 2014 (SCI-Expanded)
- XXVIII. **Field Induced Unusual Magnetic Behavior at Low Temperature in Pr<sub>0.67</sub>Ca<sub>0.33</sub>MnO<sub>3</sub>**  
PEKTAS M., GENÇER H., İZGİ T., KOLAT V. S., ATALAY S.  
ACTA PHYSICA POLONICA A, vol.125, no.2, pp.217-219, 2014 (SCI-Expanded)

- XXIX. **Magnetoimpedance Effects in Electrodeposited NiFe Nanowire Array**  
AYDOGMUS E., KAYA H., ATALAY F., ATALAY S., AVCU D.  
ACTA PHYSICA POLONICA A, vol.125, no.2, pp.227-229, 2014 (SCI-Expanded)
- XXX. **The Formation of Free Standing NiO Nanostructures on Nickel Foam for Supercapacitors**  
ATALAY F., AYDOGMUS E., YIGIT H., AVCU D., KAYA H., ATALAY S.  
ACTA PHYSICA POLONICA A, vol.125, no.2, pp.224-226, 2014 (SCI-Expanded)
- XXXI. **Production of LaCaMnO<sub>3</sub> Composite by Ball Milling**  
GENÇER H., CENGİZ N. E., KOLAT V. S., İZGİ T., ATALAY S.  
ACTA PHYSICA POLONICA A, vol.125, no.2, pp.214-216, 2014 (SCI-Expanded)
- XXXII. **Crack Detection Using Fluxgate Magnetic Field Sensor**  
İZGİ T., Goktepe M., BAYRİ N., KOLAT V. S., ATALAY S.  
ACTA PHYSICA POLONICA A, vol.125, no.2, pp.211-213, 2014 (SCI-Expanded)
- XXXIII. **The crystallisation kinetics, magnetic and magnetocaloric properties of Gd<sub>55</sub>Co<sub>20</sub>Fe<sub>5</sub>Al<sub>20</sub> (-) Si-x(x) (x=0, 5, 10, 15) alloys**  
GENÇER H., İZGİ T., KOLAT V. S., BAYRİ N., KAYA A., ATALAY S.  
JOURNAL OF NON-CRYSTALLINE SOLIDS, vol.379, pp.185-191, 2013 (SCI-Expanded)
- XXXIV. **Surgical Approach to Splenic Hydatid Cyst: Single Center Experience**  
Eris C., Akbulut S., Yildiz M., Abuoglu H., Odabasi M., Ozkan E., Atalay S., Gunay E.  
INTERNATIONAL SURGERY, vol.98, pp.346-353, 2013 (SCI-Expanded)
- XXXV. **Magnetoimpedance effects in a CoNiFe nanowire array**  
ATALAY S., KAYA H., ATALAY F., AYDOGMUS E.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.561, pp.71-75, 2013 (SCI-Expanded)
- XXXVI. **Influence of Si substitution on the structural, magnetic and magnetocaloric properties of Gd<sub>55</sub>Co<sub>20</sub>Fe<sub>5</sub>Al<sub>20</sub>-xSix alloys**  
ATALAY S., GENÇER H., KAYA A., KOLAT V. S., İZGİ T.  
JOURNAL OF NON-CRYSTALLINE SOLIDS, vol.365, pp.99-104, 2013 (SCI-Expanded)
- XXXVII. **Production of Y-Ba-Cu-O Nanowires and Nanotubes by Electrochemical Method**  
KAYA H., ATALAY F., AVSAR D., YAGMUR V., ATALAY S.  
ACTA PHYSICA POLONICA A, vol.123, no.2, pp.209-211, 2013 (SCI-Expanded)
- XXXVIII. **Coil-Less Fluxgate Effect in Negatively Magnetostrictive Co<sub>72.5</sub>Si<sub>12.5</sub>B<sub>15</sub> Amorphous Wire**  
ATALAY S., BAYRİ N., FIDAN A., YAGMUR V., İZGİ T., ATALAY F., KOLAT V. S.  
SENSOR LETTERS, vol.11, no.1, pp.195-198, 2013 (SCI-Expanded)
- XXXIX. **Electrical Transport and Magnetoresistance of La<sub>0.67</sub>Ca<sub>0.33</sub>MnO<sub>3</sub>: Ag-x (x=0, 0.1, 0.2, 0.3, 0.4) Composites**  
GENÇER H., PEKTAS M., Babur Y., KOLAT V. S., İZGİ T., ATALAY S.  
JOURNAL OF MAGNETICS, vol.17, no.3, pp.176-184, 2012 (SCI-Expanded)
- XL. **Magnetic and magnetocaloric properties of GdB<sub>2</sub> compound**  
GENÇER H., İZGİ T., KOLAT V. S., ATALAY S.  
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.6, pp.875-878, 2012 (SCI-Expanded)
- XLI. **Torsion sensor based on the coil-less fluxgate effect**  
ATALAY S., BAYRİ N., FIDAN A., ATALAY F., YAGMUR V.  
SENSORS AND ACTUATORS A-PHYSICAL, vol.178, pp.100-103, 2012 (SCI-Expanded)
- XLII. **Investigation of a weak magnetic field effect on the in vitro catalytic activity of adenosine deaminase and xanthine oxidase**  
BATÇIOĞLU K., Dogan M., UYUMLU A. B., SATILMIŞ B., BAYRİ N., ATALAY S., Demirtas H.  
GENERAL PHYSIOLOGY AND BIOPHYSICS, vol.30, no.4, pp.410-414, 2011 (SCI-Expanded)
- XLIII. **Magnetic and Magnetocaloric Properties of (Gd<sub>1-x</sub>Ce<sub>x</sub>)Al-2 (x=0, 0.25, 0.5, 0.75) Compounds**  
GENÇER H., İZGİ T., KOLAT V. S., KAYA A., ATALAY S.  
JOURNAL OF MAGNETICS, vol.16, no.4, pp.337-341, 2011 (SCI-Expanded)
- XLIV. **Coil-less fluxgate effect in CoNiFe/Cu wire electrodeposited under torsion**

- ATALAY S., YAGMUR V., ATALAY F., BAYRİ N.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.323, no.22, pp.2818-2822, 2011 (SCI-Expanded)
- XLV. **THE VARIATION OF EXCHANGE CONSTANT AND MAGNETOCALORIC EFFECT IN LaFe<sub>13-x</sub>Si<sub>x</sub> (x=1.6, 1.9 AND 2.2) COMPOUNDS**  
İZGİ T., KOLAT V. S., GENÇER H., ATALAY S.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, vol.25, no.25, pp.3303-3313, 2011 (SCI-Expanded)
- XLVI. **Magnetotransport and magnetoresistance properties of Pr<sub>0.68</sub>Ca<sub>0.32-x</sub>Sr<sub>x</sub>MnO<sub>3</sub> (x=0, 0.1, 0.18, 0.26 and 0.32) manganites**  
İZGİ T., KOLAT V. S., BAYRİ N., KAYA A., GENÇER H., ATALAY S.  
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.13, pp.648-655, 2011 (SCI-Expanded)
- XLVII. **Nanowires of Lead-Free Solder Alloy SnCuAg**  
ATALAY F., AVSAR D., KAYA H., YAGMUR V., ATALAY S., SEÇKİN T.  
JOURNAL OF NANOMATERIALS, vol.2011, 2011 (SCI-Expanded)
- XLVIII. **SIZE-INDUCED EFFECTS IN NANOSTRUCTURED NiFe<sub>2</sub>O<sub>4</sub>**  
GUNES M., GENÇER H., İZGİ T., KOLAT V. S., ATALAY S.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, vol.24, no.30, pp.5973-5985, 2010 (SCI-Expanded)
- XLIX. **Influence of the wire length on the of coil-less fluxgate properties of amorphous (Co<sub>0.94</sub>Fe<sub>0.06</sub>) (72.5)Si<sub>12.5</sub>B<sub>15</sub> wire**  
ATALAY S., BAYRİ N., İZGİ T., YAGMUR V., ATALAY F., KOLAT V. S.  
SENSORS AND ACTUATORS A-PHYSICAL, vol.163, no.1, pp.122-127, 2010 (SCI-Expanded)
- L. **Influence of Ge and Bi substitution on the magnetic and magnetocaloric properties of LaFe<sub>11.4</sub>Si<sub>1.6</sub>**  
KOLAT V. S., KAYA A., İZGİ T., GENÇER H., BAYRİ N., ATALAY S.  
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.12, no.5, pp.1129-1134, 2010 (SCI-Expanded)
- LI. **Coil-less fluxgate effect in amorphous wires**  
ATALAY S., BAYRİ N., İZGİ T., ATALAY F., KOLAT V. S.  
SENSORS AND ACTUATORS A-PHYSICAL, vol.158, no.1, pp.37-42, 2010 (SCI-Expanded)
- LII. **The effect of back electrode on the formation of electrodeposited CoNiFe magnetic nanotubes and nanowires**  
ATALAY F., KAYA H., YAGMUR V., Tari S., ATALAY S., AVSAR D.  
APPLIED SURFACE SCIENCE, vol.256, no.8, pp.2414-2418, 2010 (SCI-Expanded)
- LIII. **The synthesis of ferromagnetic La<sub>0.75</sub>Ca<sub>0.25</sub>MnO<sub>3</sub> nanowires by a sol-gel method**  
ATALAY F., YAGMUR V., ATALAY S., KAYA H., Tari S., AVSAR D.  
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.12, no.2, pp.392-396, 2010 (SCI-Expanded)
- LIV. **Metamagnetic transition and magnetocaloric effect in charge-ordered Pr<sub>0.68</sub>Ca<sub>0.32-x</sub>Sr<sub>x</sub>MnO<sub>3</sub> (x=0, 0.1, 0.18, 0.26 and 0.32) compounds**  
KOLAT V. S., İZGİ T., KAYA A., BAYRİ N., GENÇER H., ATALAY S.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.322, no.4, pp.427-433, 2010 (SCI-Expanded)
- LV. **Magnetic and magnetoimpedance properties of Mn-doped FINEMET**  
KOLAT V. S., BAYRİ N., MICHALIK S., İZGİ T., SOVAK P., ATALAY F., GENÇER H., ATALAY S.  
JOURNAL OF NON-CRYSTALLINE SOLIDS, vol.355, pp.2562-2566, 2009 (SCI-Expanded)
- LVI. **Effect of tensile stress on magnetoimpedance properties of CoNiFe/Cu wire**  
BAYRİ N., KOLAT V. S., KAYA H., ATALAY F., İZGİ T., ATALAY S.  
JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.42, no.17, 2009 (SCI-Expanded)
- LVII. **Production of LaFe<sub>11.4</sub>Si<sub>1.6</sub> compound at high temperature with a very short annealing time**  
KOLAT V. S., İZGİ T., GENÇER H., KAYA A., BAYRİ N., ATALAY S.  
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.11, no.8, pp.1106-1110, 2009 (SCI-Expanded)
- LVIII. **Influences of deposition time and pH on magnetic NiFe nanowires fabrication**  
Atalay F., Kaya H., ATALAY S., Tari S.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.469, pp.458-463, 2009 (SCI-Expanded)
- LIX. **Crystallization kinetics of Fe<sub>73.5-x</sub>Mn<sub>x</sub>Cu<sub>1</sub>Nb<sub>3</sub>Si<sub>13.5</sub>B<sub>9</sub> (x=0, 1, 3, 5, 7) amorphous alloys**  
BAYRİ N., İZGİ T., GENÇER H., SOVAK P., GUNES M., ATALAY S.

- JOURNAL OF NON-CRYSTALLINE SOLIDS, vol.355, no.1, pp.12-16, 2009 (SCI-Expanded)
- LX. **Magnetocaloric effect in CeCo<sub>4</sub>B compound**  
GENÇER H., Kervan N., Gencer A., GÜNEŞ A., ATALAY S.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.466, pp.1-4, 2008 (SCI-Expanded)
- LXI. **LaBaMnO films produced by dip-coating on a quartz substrate**  
GENÇER H., GUNES M., Goktas A., Babur Y., Mutlu H. I., ATALAY S.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.465, pp.20-23, 2008 (SCI-Expanded)
- LXII. **Fluxgate effect in twisted magnetic wire**  
BUTTA M., RIPKA P., ATALAY S., ATALAY F., Li X. P.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.320, no.20, 2008 (SCI-Expanded)
- LXIII. **Magnetoimpedance effect of current-annealed CoNiFe/Cu microtubes**  
ATALAY F., KAYA H., ATALAY S.  
PHYSICA B-CONDENSED MATTER, vol.403, no.17, pp.2917-2923, 2008 (SCI-Expanded)
- LXIV. **Electrical transport and magnetoresistance properties of La(0.67)Ca(0.33)Mn(3) film coated on pyrex glass substrate**  
GENÇER H., Goktas A., GUNES M., Mutlu H. I., ATALAY S.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, vol.22, no.5, pp.497-506, 2008 (SCI-Expanded)
- LXV. **Rapid synthesis and characterization of maghemite nanoparticles**  
Tural B., Oezenbas M., ATALAY S., Volkan M.  
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, vol.8, no.2, pp.861-866, 2008 (SCI-Expanded)
- LXVI. **Magnetic and magnetoimpedance properties of NiFe and conife films produced by electrodeposition technique**  
ATALAY F., KAYA H., ATALAY S.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, vol.21, no.22, pp.3869-3876, 2007 (SCI-Expanded)
- LXVII. **Field-dependent young's modulus and magnetoimpedance in electrodeposited NiFe and NiFeCo microtubes**  
ATALAY S., Atalay F., KAYA H.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.316, no.2, 2007 (SCI-Expanded)
- LXVIII. **Effect of B-doping on the structural, magnetotransport and magnetocaloric properties of La<sub>0.67</sub>Ca<sub>0.33</sub>MnO<sub>3</sub> compounds**  
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## Supported Projects

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İZGİ T., ATALAY S., KOLAT V. S., Project Supported by Higher Education Institutions, Pr<sub>067</sub>Ca<sub>033</sub>Mn<sub>1</sub>XAXO<sub>3</sub> ARu  
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ATALAY S., KOLAT V. S., İZGİ T., ULU A., DİK G., Project Supported by Higher Education Institutions, Mikro Manyetoelastik  
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ATALAY S., Project Supported by Higher Education Institutions, MAGNONİK KRİSTALLERİN MANYETİK SENSÜRÜ OLARAK KULLANIMI, 2014 - 2016

## Activities in Scientific Journals

Journal of Magnetism and Magnetic Materials, Evaluation Committee Member, 2005 - Continues

## Metrics

Publication: 97

Citation (WoS): 1095

Citation (Scopus): 880

H-Index (WoS): 18

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## Non Academic Experience

İnönü Üniversitesi