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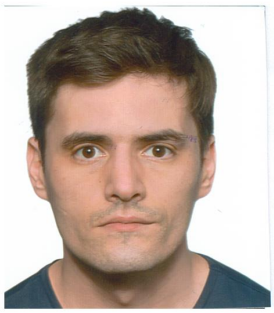

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Education

Doctorate 2018 - 2024	Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Fizik Bölümü, Turkey
Postgraduate 2015 - 2017	Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey
Undergraduate 2010 - 2014	Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey

Dissertations

Postgraduate, Level densities and gamma strength functions of neodymium-144,145 nuclei, Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2017

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Hubbard U correction on magnetic interactions and Curie temperatures of FeO, Fe2O3, and Fe3O4**
   ÖZGÜR M., PAT S., KORKMAZ Ş.
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2. **Investigating magnetic properties and Curie temperatures of FeX2 (X=S, Se, Te) monolayers**
   ÖZGÜR M., PAT S., KORKMAZ Ş.
   Physica Scripta, vol.99, no.9, 2024 (SCI-Expanded)
3. **Evolution of the γ -ray strength function in neodymium isotopes**
   Guttormsen M., AY K., ÖZGÜR M., Algin E., Larsen A., Bello Garrote F., Berg H., Crespo Campo L., Dahl-Jacobsen T., Furmyr F., et al.
   Physical Review C, vol.106, no.3, 2022 (SCI-Expanded)
4. **The Effect of Annealing Process on Some Physical Properties of GaN Thin Films with Gr Doping**
   ÖZEN S., PAT S., KORKMAZ Ş., Mohammadigharehbagh R., Akkurt N., DEMİRKOL U., ÖZGÜR M.
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5. **Strong enhancement of level densities in the crossover from spherical to deformed neodymium isotopes**
   Guttormsen M., Alhassid Y., Ryssens W., AY K., ÖZGÜR M., Algin E., Larsen A., Bello Garrote F., Crespo Campo L., Dahl-Jacobsen T., et al.
   Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, vol.816, 2021 (SCI-Expanded)

6. **Statistical properties of the well deformed Sm-153,Sm-155 nuclei and the scissors resonance**
   Malatji K. L., Beckmann K. S., Wiedeking M., Siem S., Goriely S., Larsen A. C., Ay K. O., Garrote F. L. B., Campo L. C., Gorgen A., et al.
   PHYSICAL REVIEW C, vol.103, no.1, 2021 (SCI-Expanded)
7. **Detailed transmittance analysis of high-performance SnO2-doped WO(3)thin films in UV-Vis region for electrochromic devices**
   Olkun A., Pat S., Akkurt N., Mohammadigharehbagh R., Demirkol U., Özgür M., Korkmaz Ş.
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8. **Investigation of TiO2 thin films as a cathodic material for electrochromic display devices**
   Akkurt N., PAT S., Mohammadigharehbagh R., ÖZGÜR M., DEMİRKOL U., Olkun A., KORKMAZ Ş.
   JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.31, no.12, pp.9568-9578, 2020 (SCI-Expanded)
9. **Two-dimensional BN-doped ZnO thin-film deposition by a thermionic vacuum arc system**
   ÖZGÜR M., PAT S., Mohammadigharehbagh R., DEMİRKOL U., Akkurt N., Olkun A., KORKMAZ Ş.
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10. **Electrochromic Properties of Graphene Doped TiO2Layer Deposited by Thermionic Vacuum Arc**
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11. **Determination of the structural, morphological and optical properties of graphene doped SnO thin films deposited by using thermionic vacuum arc technique**
    DEMİRKOL U., PAT S., Mohammadigharehbagh R., Musaoglu C., ÖZGÜR M., Elmas S., Ozen S., KORKMAZ Ş.
    PHYSICA B-CONDENSED MATTER, vol.569, pp.14-19, 2019 (SCI-Expanded)
12. **Determination of physical properties of graphene doped ZnO (ZnO:Gr) nanocomposite thin films deposited by a thermionic vacuum arc technique**
    Elmas S., PAT S., Mohammadigharehbagh R., Musaoglu C., ÖZGÜR M., DEMİRKOL U., Ozen S., KORKMAZ Ş.
    PHYSICA B-CONDENSED MATTER, vol.557, pp.27-33, 2019 (SCI-Expanded)
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15. **Investigation of the substrate effect for Zr doped ZnO thin film deposition by thermionic vacuum arc technique**
    DEMİRKOL U., PAT S., Mohammadigharehbagh R., Musaoglu C., ÖZGÜR M., Elmas S., Ozen S., KORKMAZ Ş.
    JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.29, no.21, pp.18098-18104, 2018 (SCI-Expanded)

Articles Published in Other Journals

1. **Surface, optical and electrochemical performance of indium-doped ZnO/WO3 nano-composite thin films**
   Mohammadigharehbagh R., PAT S., Akkurt N., Olkun A., ÖZGÜR M., DEMİRKOL U., Ozen S., KORKMAZ Ş.
   SN APPLIED SCIENCES, vol.2, no.11, 2020 (ESCI)

Papers Published in Refereed Scientific Meetings

1. **Termiyonik Vakum Ark Tekniği ile Biriktirilmiş TiB2 İnce Filmlerin Raman Spektroskopisi ile**

İncelenmesi
DEMİRKOL U., PAT S., ÖZGÜR M., Mohammadigharehbagh R., AKKURT N., OLKUN A., KORKMAZ Ş.
25. Yoğun Madde Fiziği Ankara Toplantısı, Ankara, Turkey, 20 December 2019

2. **Investigation of Some Physical Properties of Tungsten TrioxideThin Films Deposited via Thermionic Vacuum Arc Technique**
DEMİRKOL U., PAT S., AKKURT N., ÖZGÜR M., Mohammadigharehbagh R., OLKUN A., KORKMAZ Ş.
TURKISH PHYSICAL SOCIETY 35th INTERNATIONAL PHYSICS CONGRESS, Muğla, Turkey, 4 - 08 September 2019, vol.1, pp.285-292
3. **The Gr Doping Effect on Some Physical Properties of GaN Thin Films Produced by TVA**
ÖZEN S., PAT S., KORKMAZ Ş., Mohammadigharehbagh R., Elmas S., AKKURT N., DEMİRKOL U., ÖZGÜR M.
4TH INTERNATIONAL SYMPOSIUM ON INNOVATIVE APPROACHES IN ENGINEERING AND NATURAL SCIENCES, Samsun, Turkey, 22 - 24 November 2019, pp.27
4. **Determination of Some Physical Properties of Boron Carbide (B4C) Thin Films by Using TVA Technique**
Elmas S., Pat S., Korkmaz Ş., Mohammadigharehbagh R., Akkurt N., Özgür M., Demirkol U.
International Symposium On Boron, Nevşehir, Turkey, 17 - 19 April 2019
5. **TiB2 İnce Filmlerin Termiyonik Vakum Ark Yöntemi ile Üretilmesi**
PAT S., KORKMAZ Ş., Mohammadigharehbagh R., AKKURT N., Elmas S., DEMİRKOL U., ÖZGÜR M.
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6. **Optical properties of Sn doped ZnO thin films**
DEMİRKOL U., PAT S., Mohammadigharehbagh R., Musaoğlu C., ÖZGÜR M., Elmas S., ÖZEN S., KORKMAZ Ş.
Turkish Physical Society 34th International Physics Congress, Muğla, Turkey, 5 - 09 September 2018, pp.486
7. **Surface and microstructure properties of the ZnO:Sn thin films**
DEMİRKOL U., PAT S., Mohammadigharehbagh R., Musaoğlu C., ÖZGÜR M., Elmas S., ÖZEN S., KORKMAZ Ş.
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8. **Surface and microstructure properties of the ZnO:Zr thin films**
ÖZGÜR M., PAT S., Mohammadigharehbagh R., Musaoğlu C., DEMİRKOL U., Elmas S., ÖZEN S., KORKMAZ Ş.
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9. **Optical Properties of the ZnO:Zr Thin Films**
ÖZGÜR M., PAT S., Mohammadigharehbagh R., Musaoğlu C., DEMİRKOL U., Elmas S., ÖZEN S., KORKMAZ Ş.
Turkish Physical Society 34th International Physical Congress, Muğla, Turkey, 5 - 09 September 2018, pp.486
10. **Nuclear level densities and gamma-ray strength functions of Nd-145,Nd-149,Nd-151 isotopes**
Ay K. O., Ozgur M., Algin E., Guttormsen M., Garrote F. L. B., Campo L. C., Gorgen A., Hagen T. W., Ingeberg V. W., Kheswa B. V., et al.
International Conference on Quantum Science and Applications (ICQSA), Eskişehir, Turkey, 25 - 27 May 2016, vol.766

Metrics

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