

Personal Information

Email: ypepe@ankara.edu.tr

Web: <https://avesis.ankara.edu.tr/ypepe>

International Researcher IDs

ORCID: 0000-0002-5384-2039

ScopusID: 57210148812

Yoksis Researcher ID: 204189

Education Information

Doctorate, Ankara University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, Turkey 2014 - 2020

Postgraduate, Istanbul Technical University, Fen-Edebiyat, Fizik Mühendisliği, Turkey 2010 - 2014

Courses

PHYSICS I, Undergraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Tungsten oxide filled nanofibers for optical limiting in near infrared region**
PEPE Y., AKKOYUN Ş., Asci N., Cakır O., Tutel Y., Emrah Unalan H., KARATAY A., ELMALI A.
Optics and Laser Technology, vol.176, 2024 (SCI-Expanded)
- II. **Effects of boron doping in InSe single crystals on optical limiting performance in the near-infrared region**
Dogan A., PEPE Y., Bilgili M. Y., KARATAY A., Ertap H., Karabulut M., ELMALI A.
PHYSICA SCRIPTA, no.4, 2024 (SCI-Expanded)
- III. **Visible-light optical limiting of vanadia-polyvinylpyrrolidone nanofibers**
PEPE Y., Tutel Y., AKKOYUN Ş., Asci N., Cevik E., KARATAY A., ÜNALAN H. E., ELMALI A.
Journal of Materials Science, vol.59, no.10, pp.4102-4117, 2024 (SCI-Expanded)
- IV. **Enhanced nonlinear absorption and photoluminescence properties of Zn, Fe, Cu, V and Ni doped MoO₃ transition metal oxide thin films**
PEPE Y., TUTEL Y., Ucar A. D., Cevik E., KARATAY A., ÜNALAN H. E., ELMALI A.
PHYSICA SCRIPTA, vol.99, no.2, 2024 (SCI-Expanded)
- V. **Investigation of the Defect and Intensity-Dependent Optical Limiting Performance of MnO₂ Nanoparticle-Filled Polyvinylpyrrolidone Composite Nanofibers**
PEPE Y., AKKOYUN Ş., Asci N., Cevik E., Tutel Y., KARATAY A., ÜNALAN H. E., ELMALI A.
ACS OMEGA, vol.8, no.50, pp.47954-47963, 2023 (SCI-Expanded)
- VI. **Promoting the optical limiting behavior in poly(methyl methacrylate)/ α-MnO₂ nanocomposite films through modulation of in-gap states by metal doping**
PEPE Y., Cevik E., TUTEL Y., KARATAY A., ÜNALAN H. E., ELMALI A.
MATERIALS CHEMISTRY AND PHYSICS, vol.309, 2023 (SCI-Expanded)
- VII. **Investigation of the wavelength dependent nonlinear absorption mechanisms of**

polyvinylpyrrolidone and cadmium selenide hybrid nanofibers

PEPE Y., AKKOYUN Ş., Bozkurt B., KARATAY A., ATEŞ A., ELMALI A.

OPTICS AND LASER TECHNOLOGY, vol.164, 2023 (SCI-Expanded)

- VIII. **Effect of group electronegativity on spectroscopic, biological, chromogenic sensing and optical properties of 2-formyl-benzene sulfonic acid sodium salt-based Schiff bases**
Yıldız E., Pepe Y., Erdener D., Karatay A., Boyacıoğlu B., Ünver H., Yapar G., Demir N., Yıldız M., Elmalı A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1286, 2023 (SCI-Expanded)
- IX. **UV-Vis spectroscopic and colorimetric anion detection and fluorescence properties of new 3-amino-4-hydroxybenzenesulfonic acid-based Schiff bases depending on the strength and position of the electron donor substitution**
Yıldız E., Pepe Y., Erdener D., Karatay A., Boyacıoğlu B., Ünver H., Yapar G., Demir N., Yıldız M., Elmalı A.
PHYSICA SCRIPTA, vol.98, no.8, 2023 (SCI-Expanded)
- X. **Tunable nonlinear absorption and optical limiting behavior of $\text{NaBi}(\text{Mo}_{1-x}\text{W}_x)_2$ single crystals with ratio of Molybdenum/Tungsten**
PEPE Y., YILDIZ E., IŞIK M., KARATAY A., HASANLI N., ELMALI A.
PHYSICA SCRIPTA, vol.98, no.7, 2023 (SCI-Expanded)
- XI. **Excitation wavelength dependent nonlinear absorption mechanisms and optical limiting properties of $\text{Bi}_{12}\text{SiO}_{20}$ single crystal**
Doğan A., KARATAY A., Isık M., PEPE Y., HASANLI N., ELMALI A.
OPTICAL MATERIALS, vol.140, 2023 (SCI-Expanded)
- XII. **Defect-assisted wavelength dependence of one photon and multiphoton absorptions in a composite nanofiber of polyvinylpyrrolidone and hexagonal boron nitride**
PEPE Y., Akkoyun S., Bozkurt B., KARATAY A., ATEŞ A., ELMALI A.
JOURNAL OF MATERIALS CHEMISTRY C, vol.11, no.7, pp.2756-2763, 2023 (SCI-Expanded)
- XIII. **Wavelength dependence of the nonlinear absorption performance and optical limiting in $\text{Bi}_{12}\text{TiO}_{20}$ single crystal**
PEPE Y., IŞIK M., KARATAY A., Gasanly N., ELMALI A.
JOURNAL OF LUMINESCENCE, vol.253, 2023 (SCI-Expanded)

Metrics

Publication: 27

Citation (WoS): 222

Citation (Scopus): 201

H-Index (WoS): 10

H-Index (Scopus): 9