

Assoc. Prof. SERKAN ALAGÖZ

Personal Information

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Education Information

Doctorate, Inonu University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 2003 - 2009

Postgraduate, Inonu University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 2001 - 2003

Undergraduate, Istanbul Technical University, Fen-Edebiyat Fakültesi, Fizik Mühendisliği Bölümü, Turkey 1995 - 2000

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Farklı kristal geometrilere sahip sonik kristallerin odaklama özelliklerinin deneysel olarak incelenmesi, Inonu University, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2009

Postgraduate, YBCO süperiletken örneklerin tüp metodu (PITM) ile hazırlanması, Cd ve Ga katkılanmasının sistem üzerine etkileri, Inonu University, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2003

Research Areas

Physics, General Physics, Natural Sciences

Academic Titles / Tasks

Research Assistant, Inonu University, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2001 - Continues

Courses

Genel Fizik-Uygulama, Undergraduate, 2013-2014

Elektrik ve Manyetizma-Uygulama, Undergraduate, 2012-2013

Kuantum Lab., Undergraduate, 2012-2013

Elekt. ve Many. Lab., Undergraduate, 2012-2013

Genel Fizik-Uygulama, Undergraduate, 2012-2013

İstatistik Fizik-Uygulama, Undergraduate, 2012-2013

Genel Fizik Lab., Undergraduate, 2011-2012

Elekt. ve Many. Lab., Undergraduate, 2011-2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Removal of spoiling materials from solar panel surfaces by applying surface acoustic waves**
ALAGÖZ S., Apak Y.
JOURNAL OF CLEANER PRODUCTION, vol.253, 2020 (SCI-Expanded)
- II. **A note on applications of time-domain solution of Cole permittivity models**
ALAGÖZ B. B., Alisoy G., ALAGÖZ S., ALİSOY H.
OPTİK, vol.139, pp.272-282, 2017 (SCI-Expanded)
- III. **An analysis of the spatio-spectral acoustic filtering effect of sonic crystals**
ALAGÖZ S.
CHINESE JOURNAL OF PHYSICS, vol.54, no.5, pp.788-794, 2016 (SCI-Expanded)
- IV. **Negative refractions by triangular lattice sonic crystals in partial band gaps**
ALAGÖZ S., ALAGÖZ B. B., ŞAHİN A., NUR S.
CHINESE PHYSICS B, vol.24, no.4, 2015 (SCI-Expanded)
- V. **A sonic crystal diode implementation with a triangular scatterer matrix**
Alagoz S.
APPLIED ACOUSTICS, vol.76, pp.402-406, 2014 (SCI-Expanded)
- VI. **Spatio-spectral analyses of electromagnetic wave energy absorption and heating effect**
ALISOY H. Z., ALAGÖZ B. B., US S. B., DENİZ F. N., ALAGÖZ S.
OPTİK, vol.125, no.15, pp.4124-4130, 2014 (SCI-Expanded)
- VII. **An Investigation of Ionic Flows in a Sphere-Plate Electrode Gap**
ALISOY H. Z., ALAGÖZ S., ALISOY G. T., ALAGÖZ B. B.
PLASMA SCIENCE & TECHNOLOGY, vol.15, no.10, pp.1012-1019, 2013 (SCI-Expanded)
- VIII. **A closed-loop energy price controlling method for real-time energy balancing in a smart grid energy market**
ALAGÖZ B. B., KAYGUSUZ A., AKCIN M., ALAGÖZ S.
ENERGY, vol.59, pp.95-104, 2013 (SCI-Expanded)
- IX. **Theoretical demonstration of the hybrid focusing points of sonic crystal flat lenses and possible applications**
Alagoz S., Alagoz B. B.
CHINESE PHYSICS B, vol.22, no.7, 2013 (SCI-Expanded)
- X. **Sonic crystal acoustic switch device**
ALAGÖZ S., ALAGÖZ B. B.
JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, vol.133, no.6, 2013 (SCI-Expanded)
- XI. **A Maximum Beam Intersection Method for the Focusing Property Analysis of Flat Lenses**
Alagoz S.
CHINESE JOURNAL OF PHYSICS, vol.50, no.5, pp.703-712, 2012 (SCI-Expanded)
- XII. **A space charge motion simulation with FDTD method and application in negative corona electrostatic field analysis**
ALAGÖZ B. B., ALISOY H. Z., ALAGÖZ S., HANSU F.
APPLIED MATHEMATICS AND COMPUTATION, vol.218, no.17, pp.9007-9017, 2012 (SCI-Expanded)
- XIII. **A distance-based dynamical transition analysis of time series signals and application to biological systems**
ALAGÖZ S., ALAGÖZ B. B.
JOURNAL OF BIOLOGICAL PHYSICS, vol.38, no.2, pp.293-303, 2012 (SCI-Expanded)
- XIV. **A numerical method for the analysis of polydisperse aerosol particles charging in a coaxial electrode system**

ALISOY H. Z., ALAGÖZ S., Alisoy G. H., ALAGÖZ B. B.

JOURNAL OF ELECTROSTATICS, vol.70, no.1, pp.111-116, 2012 (SCI-Expanded)

XV. An Investigation on Acoustic Wave Focalization by a Square Lattice Flat Lens

Alagoz S.

ARCHIVES OF ACOUSTICS, vol.37, no.1, pp.81-87, 2012 (SCI-Expanded)

XVI. Experimental observation of far-field and near-field focusing in a sonic crystal flat lens in air

Alagoz S.

MEASUREMENT SCIENCE AND TECHNOLOGY, vol.22, no.11, 2011 (SCI-Expanded)

XVII. Frequency-controlled wave focusing by a sonic crystal lens

ALAGÖZ S., KAYA O. A., ALAGÖZ B. B.

APPLIED ACOUSTICS, vol.70, pp.1400-1405, 2009 (SCI-Expanded)

Articles Published in Other Journals

I. Evaluation of the Performance of SNC Edge Detector and Pinpoint Detector in Small Areas Depending on Dosimetric Variables

PEPELE E. K., ÜNAL İ., ALAGÖZ S.

Fırat Üniversitesi Sağlık Bilimleri Tıp Dergisi, vol.37, no.1, pp.43-49, 2023 (Peer-Reviewed Journal)

II. A Probabilistic Atomic Radius Definition: Application to Ground State Hydrogen-Like Atoms

AVCU F. M., ALAGÖZ S.

Adıyaman University Journal of Science, 2020 (Peer-Reviewed Journal)

III. Modeling and analysis of dielectric materials by using gradient-descent optimization method

ALAGÖZ B. B., Alisoy H. Z., KÖSEOĞLU M., ALAGÖZ S.

INTERNATIONAL JOURNAL OF MODELING SIMULATION AND SCIENTIFIC COMPUTING, vol.8, no.1, 2017 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

I. Energy Consumption Analysis of Motorized Transportation in Cities by Considering Average Mobile Mass

ALAGÖZ B. B., ALAGÖZ S., Baran B.

4th International Istanbul Smart Grid Congress and Fair (ICSG), İstanbul, Turkey, 20 - 21 April 2016, pp.38-41

II. Opportunities for Energy Efficiency in Smart Cities

Akcın M., Kaygusuz A., Karabiber A., Alagöz S., Alagöz B. B., Keleş C.

4th International Istanbul Smart Grid Congress and Fair (ICSG), İstanbul, Turkey, 20 - 21 April 2016, pp.65-69

Supported Projects

ALAGÖZ S., APAK Y., Project Supported by Higher Education Institutions, YÜZEY DALGALARI İLE AKUSTİK TEMİZLİK UYGULAMALARI, 2019 - 2020

Metrics

Publication: 23

Citation (WoS): 135

Citation (Scopus): 117

H-Index (WoS): 6

H-Index (Scopus): 6

Non Academic Experience

İnönü Üniversitesi