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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

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.
OPTIK, 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.
OPTIK, 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: 22
Citation (WoS): 135
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