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International Researcher IDs

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Education Information

Doctorate, Ihsan Dogramaci Bilkent University, Faculty Of Science, Department Of Physics, Turkey 2010 - 2016

Research Areas

Atomic and Molecular Physics, Optics, Quantum Mechanics, Fields Theory and Relativity, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties

Academic Titles / Tasks

Assistant Professor, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 2021 - Continues

Lecturer, Karl-Franzens-Universitaet Graz, Physics, 2018 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **N-channel parity-time symmetry**
ÖZGÜN E.
EPL, vol.144, no.3, 2023 (SCI-Expanded)
- II. **Four-channel parity-time symmetry**
ÖZGÜN E., ÖZBAY E., Ozdur I.
EPL, vol.140, no.1, 2022 (SCI-Expanded)
- III. **A parity-time-symmetric optoelectronic oscillator with polarization multiplexed channels**
ÖZGÜN E., Uyar F., KARTALOĞLU T., ÖZBAY E., Ozdur I.
JOURNAL OF OPTICS, vol.24, no.5, 2022 (SCI-Expanded)
- IV. **Scattering of spin-1/2 particles from a PT-symmetric complex potential**
Ozgun E., Hakioğlu T. T., Ozbay E.
EPL, vol.131, no.1, 2020 (SCI-Expanded)
- V. **Epsilon-Near-Zero Waveguides for Quantum Information Applications: A Theoretical Approach for N-Qubits**
Ozgun E., Ozbay E.
JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, vol.87, no.11, 2018 (SCI-Expanded)
- VI. **Broadband mixing of PT-symmetric and PT-broken phases in photonic heterostructures with a one-dimensional loss/gain bilayer**

Ozgun E., Serebryannikov A. E., Ozbay E., Soukoulis C. M.

SCIENTIFIC REPORTS, vol.7, 2017 (SCI-Expanded)

VII. **Tunable Zero-Index Photonic Crystal Waveguide for Two-Qubit Entanglement Detection**

Ozgun E., Ozbay E., Caglayan H.

ACS PHOTONICS, vol.3, no.11, pp.2129-2133, 2016 (SCI-Expanded)

VIII. **CDW-Exciton Condensate Competition and a Condensate Driven Force**

Ozgun E., Hakioglu T.

JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, vol.85, no.8, 2016 (SCI-Expanded)

IX. **Robust ground state and artificial gauge in DQW exciton condensates under weak magnetic field**

Hakioglu T., Ozgun E., Gunay M.

PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, vol.62, pp.10-14, 2014 (SCI-Expanded)

X. **A measurable force driven by an excitonic condensate**

Hakioglu T., Ozgun E., Gunay M.

APPLIED PHYSICS LETTERS, vol.104, no.16, 2014 (SCI-Expanded)

XI. **Radiative dark-bright instability and the critical Casimir effect in DQW exciton condensates**

Hakioglu T., Ozgun E.

SOLID STATE COMMUNICATIONS, vol.151, pp.1045-1048, 2011 (SCI-Expanded)

Metrics

Publication: 11

Citation (WoS): 21

Citation (Scopus): 20

H-Index (WoS): 3

H-Index (Scopus): 3