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International Researcher IDs

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Education Information

Post Doctorate, Boston University, Physics Department, United States Of America 2023 - Continues

Postgraduate, Middle East Technical University, Institute Of Applied Mathematics, Cryptography, Turkey 2021 - 2023

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Fizik Mühendisliği (Dr), Turkey 2016 - 2020

Undergraduate, Anadolu University, Open Education Faculty, Department Of Sociology, Turkey 2015 - 2020

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Fizik Mühendisliği (YI) (Tezli), Turkey 2013 - 2015

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, Turkey 2007 - 2012

Dissertations

Doctorate, Geometrik ve topolojik fazın dolanık kuantum durumları için incelenmesi, Ankara University, Fen Bilimleri Enstitüsü, Fizik Mühendisliği (Dr), 2020

Postgraduate, Geometrik fazlar ve kuantum alan teorilerine uygulamaları, Hacettepe University, Fen Bilimleri Enstitüsü, Fizik Mühendisliği (YI) (Tezli), 2015

Academic Titles / Tasks

Research Assistant, Ankara University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 2016 - Continues

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 2015 - 2016

Research Assistant, Ankara University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 2014 - 2015

Courses

ADVANCED QUANTUM MECHANICS I, Undergraduate, 2021 - 2022

QUANTUM OPTICS, Undergraduate, 2021 - 2022

Fizik 1, Undergraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

1. Monodisperse-porous Mn508 microspheres as an efficient catalyst for fast degradation of organic

pollutants via peroxymonosulfate activation

Ozcan S., YILDIRIM D., ÇILDIROĞLU H. Ö., POLAT M., HAMALOĞLU K. Ö., Tosun R. B., KİP F. Ç., Tuncel A.
NEW JOURNAL OF CHEMISTRY, vol.46, no.30, pp.14605-14615, 2022 (SCI-Expanded)

II. Investigation of the Aharonov-Bohm and Aharonov-Casher topological phases for quantum entangled states

Cildiroglu H. Ö., Yilmazer A. U.

Physics Letters, Section A: General, Atomic and Solid State Physics, vol.420, 2021 (SCI-Expanded)

Articles Published in Other Journals

I. ON THE GEOMETRIC PHASES IN ENTANGLED STATES

Tunahoglu M. E., ÇILDIROĞLU H. Ö., YILMAZER A. U.

Communications Faculty of Sciences University of Ankara Series A2-A3: Physical Sciences and Engineering, vol.65, no.2, pp.142-151, 2023 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. Scalar He-Mckellar-Wilkins effect

Hashemi B., Cildiroglu H. Ö., Yilmazer A. U.

Turkish Physical Society 35th International Physics Congress, TPS 2019, Konacik-Bodrum, Turkey, 4 - 08 September 2019, vol.2178

II. Dual scalar Aharonov Bohm phase

Cildiroglu H. Ö., Yilmazer A. U.

Turkish Physical Society 35th International Physics Congress, TPS 2019, Konacik-Bodrum, Turkey, 4 - 08 September 2019, vol.2178

III. Topological effects of Aharonov-Bohm type and the role of the quantum entanglement

Cildiroglu H. Ö., Yilmazer A. U.

34th International Physics Congress on Turkish Physical Society, TPS 2018, Konacik-Bodrum, Turkey, 5 - 09 September 2018, vol.2042

Supported Projects

Yağlioğlu H. G., Duman E., Çildiroğlu H. Ö., TUBITAK Project, Creating NV- Color Centers in Diamond by LASER Writing Method, 2022 - 2023

ÇILDIROĞLU H. Ö., TUBITAK Project, 118B731, Altındağ Bilim Festivali: Bilimin Aydınlightında Ulucanlar, Bilim ve Toplum, Atölye Lideri,, 2018 - 2018

ÇILDIROĞLU H. Ö., Project Supported by Higher Education Institutions, CERN-LHC-CMS Projesi Çerçevesinde Hacettepe-CERN Bilimsel İşbirliğine İlk Adım, 2015 - 2018

Metrics

Publication: 6

Citation (WoS): 5

Citation (Scopus): 7

H-Index (WoS): 2

H-Index (Scopus): 2