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International Researcher IDs

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Publons / Web Of Science ResearcherID: I-6600-2015

ScopusID: 35732351300

Education Information

Doctorate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 2008 - 2014

Postgraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 2005 - 2008

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, Turkey 1999 - 2005

Undergraduate Double Major, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 1999 - 2005

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Weight discrimination of boolean functions with quantum computation, Middle East Technical University, Çağdaş Türk Lehçeleri ve Edebiyatları, Türk ve İslam Sanatı, 2014

Postgraduate, Entanglement measures, Middle East Technical University, Çağdaş Türk Lehçeleri ve Edebiyatları, Türk ve İslam Sanatı, 2008

Research Areas

Academic Titles / Tasks

Assistant Professor, Gazi University, Fen Fakültesi, Fizik, 2021 - Continues

Research Assistant, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Graduate School Of Natural And Applied Sciences, 2006 - 2007

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Free-Space Quantum Key Distribution with Single Photons from Defects in Hexagonal Boron Nitride**
Samaner C., Pacal S., Mutlu G., UYANIK K., Ates S.
ADVANCED QUANTUM TECHNOLOGIES, vol.5, no.9, 2022 (SCI-Expanded)

II. **Evaluation of exact quantum query complexities by semidefinite programming**
UYANIK K.
QUANTUM INFORMATION PROCESSING, vol.18, no.6, 2019 (SCI-Expanded)

III. **A new sure-success generalization of Grover iteration and its application to weight decision problem of Boolean functions**
UYANIK K., TURGUT S.
QUANTUM INFORMATION PROCESSING, vol.12, no.11, pp.3395-3409, 2013 (SCI-Expanded)

IV. **Geometric measures of entanglement**
UYANIK K., TURGUT S.
PHYSICAL REVIEW A, vol.81, no.3, 2010 (SCI-Expanded)

Metrics

Publication: 4
Citation (WoS): 8
Citation (Scopus): 8
H-Index (WoS): 2
H-Index (Scopus): 2