

Assoc. Prof. Deniz Türkpençe

Personal Information

Email: dturkpençe@itu.edu.tr

Education Information

Post Doctorate, İstanbul Teknik Üniversitesi, Elektrik Elektronik Fak., Elektrik Müh., Turkey 2017 - 2018

Post Doctorate, Koç Üniversitesi, Fen Ed. Fk., Fizik, Turkey 2014 - 2016

Doctorate, Ondokuz Mayıs Üniversitesi, Fen Bilimleri Enstitüsü, Turkey 2007 - 2013

Doctorate, Universitaet Dortmund, Fizik Fak., Fizik, Germany 2010 - 2011

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

IT, ICTS School& Discussion Meeting 'Frontiers in Light-Matter interactions', ICTS, 2014

IT, International Advanced Research School in Physics Workshop on Coherence and Condensation, ITAP, 2012

IT, AQUTE Winterschool on Quantum Information Processing, AQUTE, 2012

IT, Fundamental Notions in Quantum Information Theory, International Advanced Research School in Physics, 2009

Dissertations

Doctorate, SIVI HAL NMR KUANTUM BİLGİSAYARIYLA BAZI SİSTEMLERİN KUANTUM SİMÜLASYONU, Ondokuz Mayıs Üniversitesi, Fen Bilimleri Enst., Fizik, 2013

Research Areas

Basic Sciences, Physics

Academic Titles / Tasks

Lecturer PhD, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fak., Elektrik Müh., 2018 - Continues

Research Assistant PhD, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fak., Elektrik Müh., 2017 - 2018

Research Assistant PhD, Koç Üniversitesi, Fen Ed. Fk., Fizik, 2014 - 2016

Research Assistant, Ondokuz Mayıs Üniversitesi, Fen Bilimleri Enst., Fizik, 2006 - 2013

Research Assistant, Universitaet Dortmund, Fizik Fak., Lehrstuhl Em, 2010 - 2011

Courses

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Coupled quantum Otto heat engine and refrigerator with inner friction**
Türkpençe D., Altintas F.
QUANTUM INFORMATION PROCESSING, vol.18, 2019 (Journal Indexed in SCI)
- **Tailoring the thermalization time of a cavity field using distinct atomic reservoirs**
Türkpençe D., Roman-Ancheyta R.
JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS, vol.36, pp.1252-1259, 2019 (Journal Indexed in SCI)
- **A steady state quantum classifier**
Türkpençe D., Akıncı T. Ç. , Seker S.
PHYSICS LETTERS A, vol.383, pp.1410-1418, 2019 (Journal Indexed in SCI)
- **Special coupled quantum Otto and Carnot cycles**
Cakmak S., Türkpençe D., Altintas F.
EUROPEAN PHYSICAL JOURNAL PLUS, vol.132, 2017 (Journal Indexed in SCI)
- **A photonic Carnot engine powered by a spin-star network**
Türkpençe D., Altintas F., PATERNOSTRO M., Mustecaplıoğlu O. E.
EPL, vol.117, 2017 (Journal Indexed in SCI)
- **Quantum fuel with multilevel atomic coherence for ultrahigh specific work in a photonic Carnot engine**
Türkpençe D.
PHYSICAL REVIEW E, vol.93, pp.12145, 2016 (Journal Indexed in SCI)
- **Engineering nonlinear response of nanomaterials using Fano resonances**
Türkpençe D.
JOURNAL OF OPTICS, vol.16, pp.105009, 2014 (Journal Indexed in SCI Expanded)

Citations

Total Citations (WOS):27

h-index (WOS):3