

Prof. Gülay DERELİ

Personal Information

Email: gdereli@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/gdereli>

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

- I. **Vacancy Induced Energy Band Gap Changes of Semiconducting Zigzag Single Walled Carbon Nanotubes**
DERELİ G., Eyecioglu O., SÜNGÜ MISIRLIOĞLU B.
ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, vol.17, no.3, pp.11-18, 2017 (Journal Indexed in SCI)
- II. **Strain modulated band gaps of semiconducting zigzag single walled carbon nanotubes**
DERELİ G., EYECİOĞLU Ö., SÜNGÜ MISIRLIOĞLU B.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.17, pp.918-924, 2015 (Journal Indexed in SCI Expanded)
- III. **A new lower limit for the bond breaking strains of defect-free carbon nanotubes: Tight binding MD simulation study**
Dereli G., Misirlioglu B., Eyecioglu O., Vardar N.
COMPUTATIONAL MATERIALS SCIENCE, vol.69, pp.234-242, 2013 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Physical Behavior of Strained Carbon Nanotubes**
DERELİ G.
29th International Conference of the Turkish Physical Society, 01 September 2012
- II. **Physical Characteristics of Carbon Nanotubes Under Tensile Elongations**
Dereli G.
Türk Fizik Derneği 29. Uluslararası Fizik Kongresi, 01 September 2012
- III. **Tensile Stability of Topologically Defective Armchaired and Zig-zag Carbon Nanotubes**
DERELİ G.
28. Uluslararası Fizik Kongresi, 01 September 2011, vol.1, pp.267
- IV. **Electronic Behavior of Strained Carbon Nanotubes**
DERELİ G.
28.Uluslararası Fizik Kongresi, 01 September 2011, vol.1, pp.808-809
- V. **Strain Applied Carbon Nanotubes at elevated temperatures**
DERELİ G.
18. İstanbul İstatistiksel Fizik Günleri, 01 July 2011, vol.1, pp.29
- VI. **Vacancy Effect On The Thermal Stability of (10,10) Single Walled Carbon Nanotubes**
Dereli G.
Türk Fizik Derneği 26.Uluslararası Fizik Kongresi, 01 September 2009
- VII. **Low Temperature Thermal Behaviour of Armchair Single Walled Carbon Nanotubes**
Dereli G.
16. İstanbul İstatistiksel Fizik Günleri, 01 June 2009
- VIII. **Diameter and Chirality Effect on the Thermal Expansion of Single Walled Carbon Nanotubes**
Dereli G.

5.Ulusal Nanobilim ve Nanoteknoloji Konferansı (NanoTR-V), 01 June 2009

- IX. **A Molecular Dynamics Study of the Young Modulus of Single Walled Carbon Nanotubes with Respect to Tube Radius**
Dereli G.
12. Ulusal Sıvıhal Fiziği Sempozyumu, 01 November 2008
- X. **Tensile Strength of Thermally Deformed Carbon Nanotubes**
Dereli G.
Türk Fizik Derneği 25.Uluslararası Fizik Kongresi, 01 August 2008
- XI. **Chirality Dependence of the Tensile Properties of Carbon Nanotubes**
Dereli G.
15. İstanbul İstatistiksel Fizik Günleri, 01 June 2008
- XII. **High Temperature Chirality Effects on the Mechanical Properties of Single Walled Carbon Nanotubes**
Dereli G.
4.Nanobilim ve Nanoteknoloji Konferansı (NanoTRIV), 01 June 2008
- XIII. **Temperature Dependence of the Tensile Properties of Carbon Nanotubes**
Dereli G.
11. Ulusal Sıvıhal Fiziği Sempozyumu, 01 September 2007
- XIV. **High Temperature Tensile Properties of Single Walled Carbon Nanotubes**
Dereli G.
NanoTR-III Nanoscience Nanotechnology Conference,, 01 June 2007
- XV. **Temperature effect on the physical and electronic properties of Single Walled Carbon Nanotubes**
Dereli G., Suengue B., Eyecioglu O., Vardar N.
6th International Conference of the Balkan-Physical-Union, İstanbul, Turkey, 22 - 26 August 2006, vol.899, pp.381-0
- XVI. **Temperature Effect in Streching the Single Walled Carbon Nanotubes**
Dereli G.
X. Ulusal Sıvıhal Fiziği Sempozyumu, 01 September 2006
- XVII. **Tight-Binding Molecular Dynamic Simulation of Single Walled Carbon Nanotubes Under Uniaxial Strain**
Dereli G.
13. İstatistik Fizik Günleri,, 01 July 2006
- XVIII. **Mechanical Properties of Single Walled Carbon Nanotubes**
Dereli G.
NanoTR-II Nanoscience and Nanotechnology 2006,, 01 May 2006

Other Publications

- I. **TUBITAK-TBAG Proje Danışmanlığı**
DERELİ G.
Other, 2011
- II. **TUBITAK-TBAG Proje Gelişme Raporu Değerlendirmesi**
DERELİ G.
Other, 2011
- III. **LOREAL Bilim kadınları Bursu, Malzeme Bilimi Jüri üyesi**
DERELİ G.
Other, 2011

Supported Projects

DERELİ G., SÜNGÜ MISIRLIOĞLU B., Project Supported by Higher Education Institutions, Tek Duvarlı Karbon Nanotüplerin (TDKNT) Gerinim Altında Mekanik ve Elektronik Özelliklerinin Bilgisayar Simülasyonu, 2010 - 2013
DERELİ G., Project Supported by Higher Education Institutions, Nanomalzemelerin Bilgisayar Similasyonu, 2010 - 2013
DERELİ G., Other Supported Projects, Gerinim altındaki Tek Duvarlı Karbon Nanotüplerin Elektronik Yapılarındaki Değişim: Paralel O(N) Sıkı Bağ Moleküler Dinamik Simülasyonu, 2010 - 2011
DERELİ G., Project Supported by Higher Education Institutions, Burkmanın Tek Duvarlı Karbon Nanotüpün (TDKNT) Fiziksel ve Elektronik Yapısına Etkisinin Bilgisayar Simülasyonu., 2009 - 2010

Scientific Refereeing

28. Uluslararası Fizik Kongresi, SCI Journal, May 2011
14. Ulusal Sıvıhal Fiziği Sempozyumu, Bilim Kurulu Üyesi., National Scientific Refreed Journal, November 2010

Citations

Total Citations (WOS):6
h-index (WOS):2