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### Published journal articles indexed by SCI, SSCI, and AHCI

- I. Vacancy Induced Energy Band Gap Changes of Semiconducting Zigzag Single Walled Carbon Nanotubes  
DERELİ G., EYECİOĞLU O., SÜNGÜ MISIRLIOĞLU B.  
ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, vol.17, no.3, pp.11-18, 2017 (SCI-Expanded)
- 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 (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 (SCI-Expanded)

### 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 Armchained 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.Uluslararası Nanoteknoloji ve Nanobilim 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 Sivil Fiziki 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 Sivil Fiziki 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 Sivil Fiziki 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 üyeliği**  
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 Simülasyonu, 2010 - 2013  
DERELİ G., Other International Funding Programs, Gerinim altındaki Tek Duvarlı Karbon Nanotüplerin Elektronik Yapılarındaki Değişim: Paralel O(N) Sıkı Bağ Moleküller 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 Sivil Hal Fiziği Sempozyumu, Bilim Kurulu Üyesi, National Scientific Refreed Journal, November 2010

## **Metrics**

Publication: 24

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