

Asst. Prof. ALİ ZERENTÜRK

Personal Information

Email: alizerenturk@marmara.edu.tr

Web: <https://avesis.marmara.edu.tr/ali.zerenturk>

International Researcher IDs

ScholarID: SzTTML0AAAAJ

ORCID: 0000-0001-5238-6409

Yoksis Researcher ID: 20768

Education Information

Doctorate, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Ve Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 2006 - 2013

Postgraduate, Gebze Yüksek Teknoloji Enstitüsü, Fen Fakültesi, Fizik Bölümü, Turkey 2003 - 2006

Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 1998 - 2002

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, P bloğu elementlerini içeren düşük boyutlu nanoyapıların ilk prensiplere dayalı dizaynı, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Ve Fen Bilimleri Enstitüsü, Fizik (Dr), 2013

Postgraduate, Cu⁺² ve Co⁺² ile katkılı rutile(TiO₂) tek kristalinin EPR tekniği ile incelenmesi, Gebze Yüksek Teknoloji Enstitüsü, Fen Fakültesi, Fizik Bölümü, 2006

Academic Titles / Tasks

Assistant Professor, Marmara University, Faculty of Arts and Sciences, Physics, 2014 - Continues

Research Assistant, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Ve Fen Bilimleri Enstitüsü, 2004 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Experimental and theoretical investigations on low temperature EPR of Cu²⁺ centers in TiO₂ rutile single crystal**
Zerenturk A., Acikgoz M., Kazan S., Yildiz F., Khaibullin R. I., Rameev B., Aktas B.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.710, pp.836-842, 2017 (SCI-Expanded)
- II. **Low temperature EPR investigation of Co²⁺ ion doped into rutile TiO₂ single crystal: Experiments and simulations**
Zerenturk A., Acikgoz M., Kazan S., Yildiz F., Aktas B., Khaibullin R. I., Rameev B.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.423, pp.145-151, 2017 (SCI-Expanded)

III. Stability of GaN nanocages

Zerentürk A., Berber S.

EPL, vol.103, no.1, 2013 (SCI-Expanded)

IV. Hydrogen migration on the C-60 fullerene

Zerentürk A., Berber S.

SOLID STATE COMMUNICATIONS, vol.152, no.16, pp.1522-1525, 2012 (SCI-Expanded)

V. EPR of VO₂⁺ in double format, Ba₂Zn(HCOO)₆(H₂O)₄ single crystals

Yerli Y., Zerentuerk A., Oezdogan K.

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.68, no.1, pp.147-149, 2007 (SCI-Expanded)

Books

I. Ultra-thin spin-valve structures on the surface-reconstructed GaAs

Zerentürk A., Yıldız F., Yalçın O., Özdemir M., Aktaş B.

in: Proceedings of the NATO Advanced Research Workshop on Nanoscale Devices - Fundamentals and Applications, Rudolf Gross, Anatolie Sidorenko, Lenar Tagirov, Editor, Springer, London/Berlin, Dordrecht, pp.123-136, 2006

Papers Published in Refereed Scientific Meetings

I. The Stability of Silicon Cage Nanostructures

Zerentürk A., Berber S.

NanoTR VII, İstanbul, Turkey, 27 June - 01 July 2011, pp.17

II. A Physically Intuitive Model for Nanotube Growth Process

Zerentürk A., Berber S.

NanoTR VI, İzmir, Turkey, 15 - 18 June 2010, pp.421

III. Modifying the Physical Properties of Carbon Nanotubes: Chemistry on Defects

Zerentürk A., Erbahar D., Coşkun T., Berber S.

NanoTR6, İzmir, Turkey, 15 - 18 June 2010, pp.57

IV. The origin of regio-selective hydrogenation of C₆₀ Buckyballs

Zerentürk A., Berber S.

NanoTR5, Eskişehir, Turkey, 8 - 12 June 2009, pp.43

V. Modifying physical properties of carbon nanostructures by chemical functionalization

Zerentürk A., Erbahar D., Berber S.

Modeling of Carbon and Inorganic Nanotubes and Nanostructures, Lausanne, Switzerland, 13 - 15 May 2009

VI. Ultra-thin spin-valve structures grown on the surface-reconstructed GaAs substrate

Aktas B., Yildiz F., Yalcin O., Zerenturk A., Ozdemir M., Tagirov L. R., Heinrich B., Woltersdorf G., Urban R.

NATO Advanced Research Workshop on Nanoscale Devices - Fundamentals and Applications, Kishinev, Moldova, 18 - 22 September 2004, vol.233, pp.123-124

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