

## Asst. Prof. ALİ ZERENTÜRK

### Personal Information

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### International Researcher IDs

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### Education

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<sup>+2</sup> ve Co<sup>+2</sup> ile katkılı rutile(TiO<sub>2</sub>) tek kristalinin EPR tekniği ile incelenmesi, Gebze Yüksek Teknoloji Enstitüsü, Fen Fakültesi, Fizik Bölümü, 2006

### Academic Positions

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

### Journal articles indexed in SCI, SSCI, and AHCI

- I. **Experimental and theoretical investigations on low temperature EPR of Cu<sup>2+</sup> centers in TiO<sub>2</sub> 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 Co<sup>2+</sup> ion doped into rutile TiO<sub>2</sub> 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 VO<sub>2</sub><sup>+</sup> in double format, Ba<sub>2</sub>Zn(HCOO)<sub>6</sub>(H<sub>2</sub>O)<sub>4</sub> 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 Presented at Peer-Reviewed Scientific Conferences

### I. **The Stability of Silicon Cage Nanostructures**

Zerentürk A., Berber S.

NanoTR VII, İstanbul, Turkey, 27 June - 01 July 2011, pp.17, (Summary Text)

### II. **A Physically Intuitive Model for Nanotube Growth Process**

Zerentürk A., Berber S.

NanoTR VI, İzmir, Turkey, 15 - 18 June 2010, pp.421, (Summary Text)

### 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, (Summary Text)

### IV. **The origin of regio-selective hydrogenation of C<sub>60</sub> Buckyballs**

Zerentürk A., Berber S.

NanoTR5, Eskişehir, Turkey, 8 - 12 June 2009, pp.43, (Summary Text)

### 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, (Unpublished)

### 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, (Full Text)

## Metrics

Publication: 12

Citation (WoS): 37

H-Index (WoS): 4