

Lect. Gökhan HARDAL

Personal Information

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Education Information

Doctorate, İstanbul University-Cerrahpaşa, Faculty Of Engineering, Department Of Metallurgical And Materials Engineering, Turkey 2015 - Continues

Postgraduate, İstanbul Üniversitesi, Institute of Graduate Studies In Sciences, Metalurji Ve Malzeme Mühendisliği Abd, Turkey 2012 - 2015

Undergraduate, İstanbul Üniversitesi, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği, Turkey 2008 - 2012

Dissertations

Postgraduate, Çeşitli Oksit Bileşiklerinin Çinko Oksit'in Mikroyapı Özelliklerine Etkisi, Istanbul University, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2015

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Ceramic Materials, Electrical and Magnetic Properties, Material Characterization, Engineering and Technology

Academic Titles / Tasks

Lecturer, İstanbul Üniversitesi, Teknoloji Transfer Uygulama Ve Araştırma Merkezi, Teknoloji Transfer Ofisi, 2017 - Continues

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

- I. **Electrical properties of Ni_{0.5}Co_{0.8}Mn_{1.7}O₄ and Ni_{0.5}Co_{1.1}Mn_{1.4}O₄ negative temperature coefficient ceramics doped with B₂O₃**
YÜKSEL PRICE B., Hardal G.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 2021 (Journal Indexed in SCI)
- II. **Preparation and characterization of Ni-Co-Zn-Mn-O negative temperature coefficient thermistors with B₂O₃ addition**
PRICE B. Y. , Hardal G.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.30, no.18, pp.17432-17439, 2019 (Journal Indexed in SCI)
- III. **The Effect of TiO₂ and B₂O₃ Additions on the Grain Growth of ZnO**
Hardal G., Price B.
METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, no.4, pp.2090-2098, 2017 (Journal Indexed in SCI)
- IV. **Influence of B₂O₃ addition on the electrical and microstructure properties of**

Ni_{0.5}Co_{0.5}Cu_xMn_{2-x}O₄ (0 ≤ x ≤ 0.3) NTC thermistors without calcination

Yüksel Price B., HARDAL G.

Journal of Materials Science: Materials in Electronics, vol.27, no.9, pp.9226-9232, 2016 (Journal Indexed in SCI)

V. INFLUENCE OF NANO-SIZED COBALT OXIDE ADDITIONS ON THE STRUCTURAL AND ELECTRICAL PROPERTIES OF NICKEL-MANGANITE-BASED NTC THERMISTORS

Hardal G., Price B. Y.

MATERIALI IN TEHNOLOGIJE, vol.50, no.6, pp.923-928, 2016 (Journal Indexed in SCI)

VI. Effects of MnO doping on the electronic properties of zinc oxide: 406GHz electron paramagnetic resonance spectroscopy and Newman superposition model analysis

Price B. Y., Hardal G., AÇIKGÖZ M., Repp S., Erdem E.

JOURNAL OF APPLIED PHYSICS, vol.118, 2015 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

I. Effect of Co addition on the electrical properties of Ni-Mn-O NTC thermistors

HARDAL G., YÜKSEL PRICE B.

International Conference on Engineering Technology and Innovation, Saraybosna, Bosnia And Herzegovina, 22 - 26 March 2017, pp.4

II. Aging Behaviour in Ni_{0.5}CoxMn_{2.5-x}O₄ (x=0.5, 0.8 and 1.1) Thermistors

HARDAL G., YÜKSEL PRICE B.

146th Annual Meeting & Exhibition (TMS 2017), San Diego, United States Of America, 26 February - 02 March 2017, pp.85-89

III. Aging Behaviour in Ni_{0.5}Cox Mn_{2.5}O_x(4) (x=0.5, 0.8 and 1.1) Thermistors

Hardal G., Price B. Y.

TMS Annual Meeting and Exhibition / Symposium on Characterization of Minerals, Metals, and Materials, California, United States Of America, 01 January 2017, pp.85-89

IV. Electrical and Microstructural Investigation of Ni_{0.5}Co_{0.5}Cu_{0.3}Zn_{0.3} Mn_{1.4}O₄ Temperature Sensors

Hardal G., Price B. Y.

TMS Annual Meeting and Exhibition / Symposium on Characterization of Minerals, Metals, and Materials, California, United States Of America, 01 January 2017, pp.139-144

V. Electrical and microstructural properties of NiMn₂O₄ NTC thermistors by doping 0.1 mol B₂O₃ without calcination

HARDAL G., YÜKSEL PRICE B.

40th International Conference and Expo on Advanced Ceramics and Composites, Daytona Beach, United States Of America, 24 - 29 January 2016, pp.83

VI. Investigation of microstructure properties in Al₂O₃ and Al₂O₃-B₂O₃ doped ZnO ceramics

HARDAL G., YÜKSEL PRICE B.

40th International Conference and Expo on Advanced Ceramics and Composites, Daytona Beach, United States Of America, 24 - 29 January 2016, pp.83

VII. Influence of Nano-Sized Cobalt Oxide Addition on the Structural and Electrical Properties of Nickel Manganite Based Ntc Thermistors

HARDAL G., YÜKSEL PRICE B.

23RD INTERNATIONAL CONFERENCE ON MATERIALS AND TECHNOLOGY, Portoroz, Slovenia, 27 - 30 September 2015, pp.260

VIII. The Grain Growth Kinetics of 0.5 mol% B₂O₃-1 mol% TiO₂-doped ZnO Ceramics

Hardal G., Yuksel B.

Symposium on Characterization of Minerals, Metals, and Materials held during The-Minerals-Metals-and-Materials-Society Annual Meeting and Exhibition (TMS), California, United States Of America, 16 - 20 February 2014, pp.637-644

IX. Microstructural and Electrical Properties of 0.5 mol% Al₂O₃-0.1 mol% B₂O₃ doped ZnO Ceramics

Yuksel B., Hardal G.

Symposium on Characterization of Minerals, Metals, and Materials held during The-Minerals-Metals-and-Materials-Society Annual Meeting and Exhibition (TMS), California, United States Of America, 16 - 20 February 2014, pp.55-61

X. Microstructure Characteristics Of 0.5 Mol% B2O3-Doped ZnO-1 Mol% TiO2 Ceramics

HARDAL G., YÜKSEL PRICE B.

Advanced Materials World Congress (AMWC 2013), İzmir, Turkey, 16 - 19 September 2013, pp.171

Supported Projects

YÜKSEL PRICE B., HARDAL G., Project Supported by Higher Education Institutions, Molce % 0.5 V2O5 ve molce % 0.5 B2O3 katkılı çinko oksit seramiklerin mikroyapı karakterizasyonu, 2014 - 2017

YÜKSEL PRICE B., TUBITAK Project, Bor Oksit Katkısının Mn-Ni-Co-Cu-Zn Oksit NTC Termistörlerin Elektriksel ve Mikroyapı Özelliklerine Etkisi, 2014 - 2016

YÜKSEL PRICE B., HARDAL G., Project Supported by Higher Education Institutions, Çeşitli Oksit Bileşiklerinin Çinko Oksit'in Mikroyapı Özelliklerine Etkisi, 2014 - 2015

Memberships / Tasks in Scientific Organizations

THE ROYAL SOCIETY OF CHEMISTRY, Member, 2017 - Continues

Material Advantage, Member, 2016 - Continues

The Minerals, Metals and Materials Society, Member, 2016 - Continues

ASM International - The Materials Information Society, Member, 2016 - Continues

ACerS - The American Ceramic Society, Member, 2016 - Continues

AIST - Association for Iron & Steel Technology, Member, 2016 - Continues

The Minerals, Metals and Materials Society, Member, 2014 - 2014

Edit Congress and Symposium Activities

International Conference on Engineering Technology and Innovation, Attendee, Sarajevo, Bosnia And Herzegovina, 2017

146th Annual Meeting & Exhibition, Attendee, California, United States Of America, 2017

143th Annual Meeting and Exhibition, Attendee, California, United States Of America, 2014

Advanced Materials World Congress (AMWC 2013), Attendee, İzmir, Turkey, 2013

Citations

Total Citations (WOS):18

h-index (WOS):2