Lect, Gökhan HARDAL

Personal Information

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International Researcher IDs

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Education Information

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

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

Undergraduate, Istanbul University, 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, Istanbul University, Teknoloji Transfer Uygulama Ve Araştırma Merkezi, Teknoloji Transfer Ofisi, 2017 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. Influence of V205 and B203 addition on the sintering behaviour and physical properties of Zn0 ceramics

Yüksel Price B., Hardal G., Kınacı B.

Processing and Application of Ceramics, vol.16, no.1, pp.48-54, 2022 (SCI-Expanded)

II. Influence of V205 and B203 addition on the sintering behaviour and physical properties of Zn0 ceramics

YÜKSEL PRICE B., HARDAL G., KINACI B.

Processing and Application of Ceramics, vol.16, no.1, pp.48-54, 2022 (SCI-Expanded)

III. Electrical properties of Ni0.5Co0.8Mn1.704 and Ni0.5Co1.1Mn1.404 negative temperature coefficient ceramics doped with B203

YÜKSEL PRICE B., Hardal G.

JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.32, no.7, pp.8983-8990, 2021 (SCI-Expanded)

IV. 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 (SCI-Expanded)

V. 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 (SCI-Expanded)

VI. Influence of B203 addition on the electrical and microstructure properties of

Ni0.5Co0.5CuxMn2-x04 (0 \leq x \leq 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 (SCI-Expanded)

VII. 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 (SCI-Expanded)

VIII. 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, no.17, 2015 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. Preparation and Structural Characterization of NiMn204 Ceramics

Yüksel Price B., Hardal G.

20th International Metallurgy and Materials Congress, İstanbul, Turkey, 10 - 12 June 2021, pp.635

II. A Microstructural Investigation of 1 mol% H3BO3 and 0.5 mol% MnO Added ZnO Ceramics Yüksel Price B., Hardal G.

20th International Metallurgy and Materials Congress, İstanbul, Turkey, 10 - 12 June 2021, pp.634

 $\hbox{III.} \quad \hbox{Effect of Co addition on the electrical properties of Ni-Mn-O NTC thermistors}$

HARDAL G., YÜKSEL PRICE B.

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

IV. Aging Behaviour in Ni0.5CoxMn2.5-x04 (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

V. Electrical and Microstructural Investigation of Ni0.5Co0.5Cu0.3Zn0.3 Mn1.404 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

VI. Aging Behaviour in Ni0.5Cox Mn-2.5_0-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

VII. 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

VIII. 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

IX. 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

X. The Grain Growth Kinetics of 0.5 mol% B203-1 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.

XI. Microstructural and Electrical Properties of 0.5 mol% A1203-0.1 mol% B203 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

XII. 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

Gül A., Hardal G., Cevher E., Üresin A. Y., Abacı N., Sırma Ekmekci S., Özgülnar N., Tan N., Özhan G., Akbıyık M., et al., TUBITAK Project, İnflamazom Aracılı Otoenflamatuvar Hastalıkların Takip ve Tedavisine Yönelik Biyogösterge ve İleri Teknoloji Ürünü İlaçların Geliştirilmesi, 2021 - 2025

Yüksel Price B., Hardal G., Project Supported by Higher Education Institutions, V205 katkısının Ni-Co-Cr-Mn oksit NTC termistörlerin elektriksel ve mikroyapı özelliklerine etkisi, 2015 - 2020

Yüksel Price B., Hardal G., Project Supported by Higher Education Institutions, 0.1 mol Cr2O3 Katkılı Ni-Mn-Co-O termistörlerin elektriksel yaşlanma davranışının belirlenmesi , 2016 - 2019

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

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

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

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

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

Metrics

Publication: 20 Citation (WoS): 36 Citation (Scopus): 40 H-Index (WoS): 3 H-Index (Scopus): 4

Congress and Symposium Activities

20th International Metallurgy and Materials Congress, Attendee, İstanbul, Turkey, 2021
International Conference on Engineering Technology and Innovation, Attendee, Sarajevo, Bosnia And Herzegovina, 2017
146th Annual Meeting & Exhibition, Attendee, California, United States Of America, 2017
40th International Conference and Expo on Advanced Ceramics and Composites, Attendee, Florida, United States Of America, 2016
23RD INTERNATIONAL CONFERENCE ON MATERIALS AND TECHNOLOGY, Attendee, Piran, Slovenia, 2015

143th Annual Meeting and Exhibition, Attendee, California, United States Of America, 2014 Advanced Materials World Congress (AMWC 2013), Attendee, İzmir, Turkey, 2013